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Content Network Release Information Guide

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1 What's New

The following packages are either new or updated in Content Innovation 22 release.

Industries

- [SAP Sports One Analytics Version 2 \[page 203\]](#)

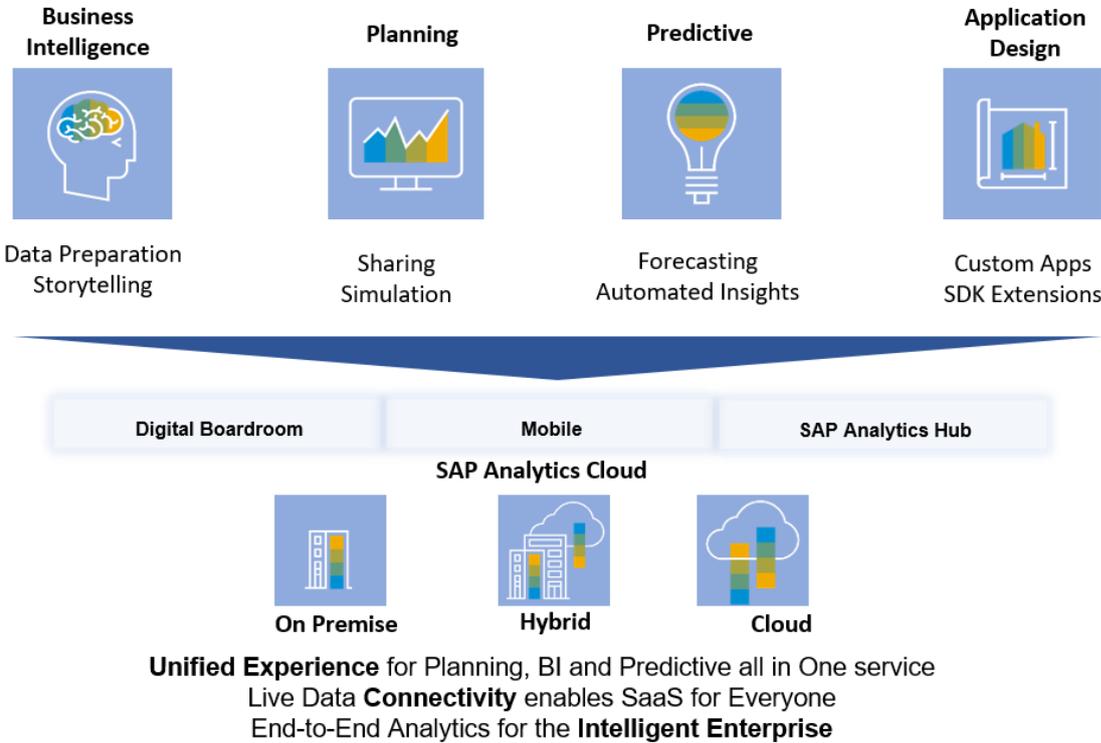
Line(s) of Business

- [SAP Integration Suite \[page 94\]](#)
- [SAP Integrated Business Planning \[page 52\]](#)
- [Integrated Financial Planning for SAP S/4HANA Cloud \[page 53\]](#)
- [Add-on for Integrated Financial Planning for SAP S/4HANA \[page 60\]](#)
- [Group Reporting Planning for SAP S/4HANA \[page 38\]](#)
- [SAP Procurement: Contract Management \[page 102\]](#)
- [Outcome-Based Business Insights \[page 65\]](#)
- [SAP Order Management foundation \[page 84\]](#)

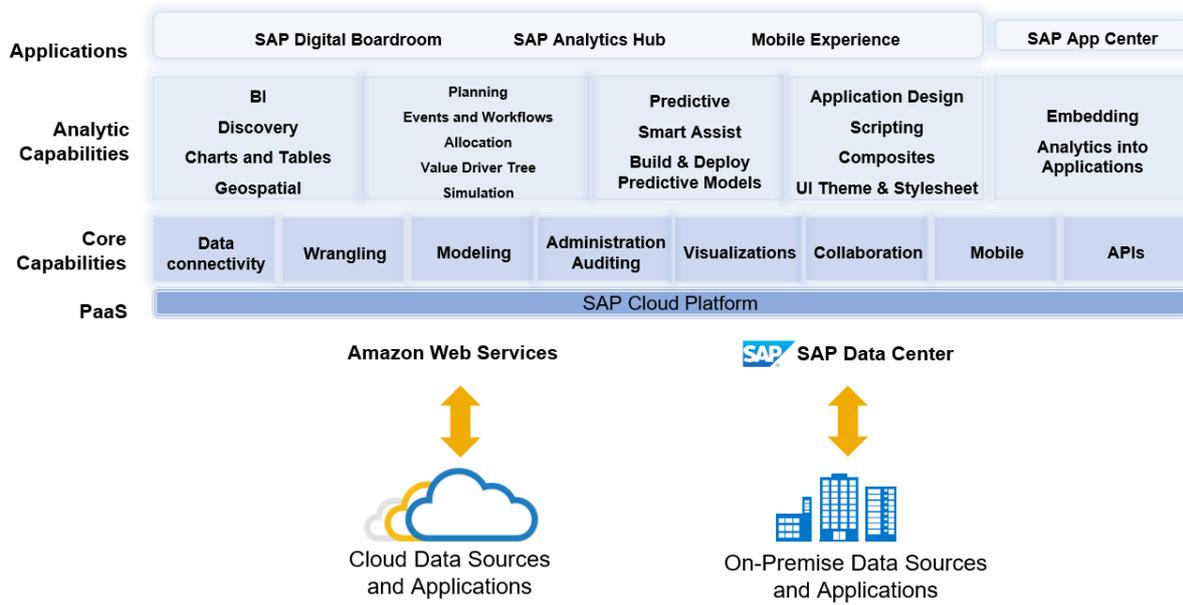
2 SAP Analytics Cloud: Overview

This topic provides an overview of SAP Analytics Cloud, its architecture, and the technical scope.

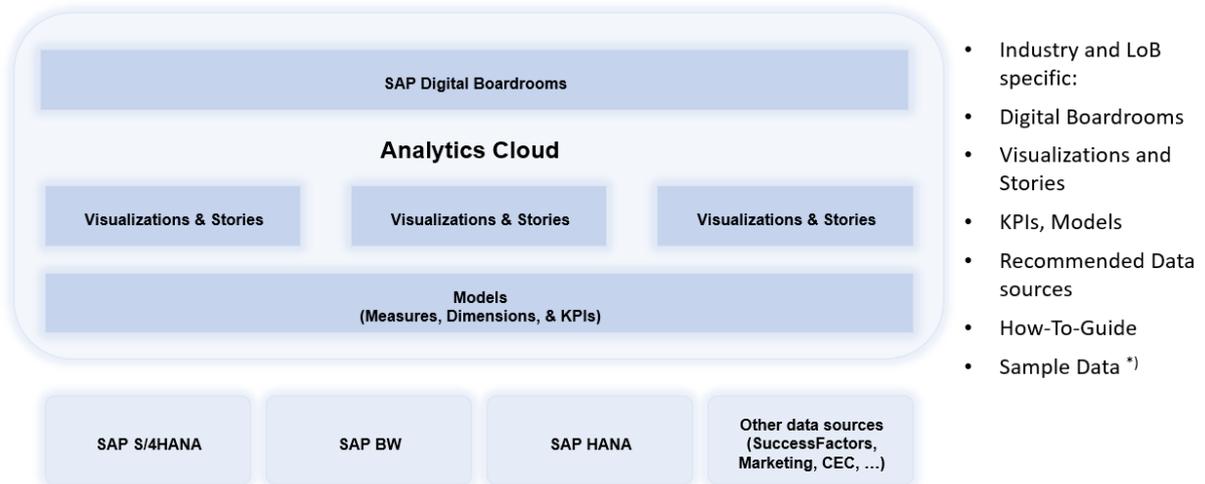
SAP Analytics Cloud - One | Simple | Cloud



Architecture



Technical Scope



*) data acquisition models only

3 Extended Content Inventory

Download the extended content inventory from [here](#). It is a spreadsheet that helps you with the following information about a content package.

- if package is based on data acquisition (with sample data) or live connection
- data source(s) of the package
- if planning functionality is included
- which LoB packages have been re-used by which Industry package
- if Geo Maps, Value Driver Trees or Smart Insights have been included
- if the package comes with a Digital Boardroom
- if any additional languages supported

4 Business Content Packages

4.1 Line of Business

The following packages in the category Line of Business are available in the Content Network.

Content Package Name

[Advanced Compliance Reporting \[page 12\]](#)

[SAP Business ByDesign \[page 82\]](#)

[Digital Compliance Service - GST \[page 14\]](#)

[Environment, Health, and Safety \(EHS\) \[page 15\]](#)

[Finance \[page 18\]](#)

[Finance – Live based on Semantic Tags \[page 21\]](#)

[Finance: Accounts Receivable – Invoice Payment Forecasting \[page 20\]](#)

[Finance - Financial Performance \[page 24\]](#)

[Finance: Operational Expense Planning and Analysis \[page 33\]](#)

[Financial Services \(S/4HANA for Financial Products Subledger\) \[page 31\]](#)

[Financial Planning & Analysis for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 29\]](#)

[Financial Products Subledger IFRS17 for S/4 HANA \[page 34\]](#)

[Human Resources Salary Planning \[page 51\]](#)

[Human Resources – Headcount \(SuccessFactors\) \[page 48\]](#)

[Human Resources – Recruitment \(SuccessFactors\) \[page 49\]](#)

[HR Analytics for S/4HANA Cloud and SAP SuccessFactors \(SAP Best Practices\) \[page 40\]](#)

[Predictive Asset Insights \[page 62\]](#)

[Integrated Financial Planning for SAP S/4HANA Cloud \[page 53\]](#)

[Liquidity Planning for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 64\]](#)

[Procurement \[page 68\]](#)

[SAP S/4HANA Procurement Cloud Content with SAP Analytics Cloud \[page 106\]](#)

[Product Cost Planning \[page 70\]](#)

[Portfolio and Project Management \[page 67\]](#)

[Project Budgeting & Planning for SAP S/4HANA Cloud \[page 71\]](#)

[Project Staff Planning \[page 72\]](#)

[Receivable Management Cloud Content with SAP Analytics Cloud \(SAP Best Practices\) \[page 75\]](#)

[SAP S/4HANA Sales Analytics Content with SAP Analytics Cloud \[page 108\]](#)

Content Package Name

[SAP CRM - Sales Performance and Planning \[page 87\]](#)

[Sales Planning for SAP S/4HANA Cloud \[page 77\]](#)

[Contract-Based Revenue Recognition - Recognized Revenue Analysis \[page 13\]](#)

[SAP Field Service Management \[page 17\]](#)

[Financial Consolidation for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 36\]](#)

[SAP Integrated Business Planning \[page 52\]](#)

[SAP Marketing \[page 99\]](#)

[SAP Product Carbon Footprint Analytics \[page 104\]](#)

[Qualtrics Customer Satisfaction Score \[page 74\]](#)

[SAP Qualtrics - Survey Distribution Analysis \[page 131\]](#)

[SAP Qualtrics Touchpoint NPS \(T-NPS\) \[page 132\]](#)

[Sales in SAP S/4HANA Cloud \[page 109\]](#)

[Supply Base Optimization \[page 139\]](#)

[SAP CRM – Service Cloud \[page 89\]](#)

[Solution Manager IT Service Management – Incident Analytics \[page 135\]](#)

[Travel & Expense - Concur \[page 142\]](#)

[Solution Manager Test Suite Analytics \[page 136\]](#)

[Treasury Management for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 144\]](#)

[Vendor Management System \(Fieldglass\) \[page 147\]](#)

[Workforce Planning for SAP S/4HANA Cloud \[page 148\]](#)

[Supply Chain Management – Extended Service Parts Planning \[page 140\]](#)

[SAP Master Data Governance - Data Quality Analysis \[page 101\]](#)

[SAP SuccessFactors Visa and Permits Management \[page 118\]](#)

[SAP Cloud Platform Integration Reporting Dashboard \[page 85\]](#)

[Financial Analytics Dashboard for SAP Analytics Cloud \[page 27\]](#)

[SAP Entitlement Management \[page 91\]](#)

[SAP SuccessFactors Workforce Planning \(SAP Best Practices\) \[page 110\]](#)

[SAP UI Logging \[page 133\]](#)

[Finance for SAP S/4HANA Cloud \[page 25\]](#)

[Statistical Process Control \(SPC\) Toolkit \[page 138\]](#)

[SAP Ariba: Enterprise Analytics for Procurement \[page 78\]](#)

[SAP Transportation Management Business Performance Dashboard \[page 124\]](#)

[SAP Order Management foundation \[page 84\]](#)

[SAP Ariba: Spend Analysis \[page 80\]](#)

Content Package Name

[SAP Supply Chain Management: Life Sciences Dashboard \[page 122\]](#)

[SAP Logistics Business Network - Supply Chain Network Analytics \[page 96\]](#)

[SAP Human Experience Management Workforce Planning \[page 41\]](#)

[SAP Human Experience Management Workforce Planning Add-on \[page 46\]](#)

[Outcome-Based Business Insights \[page 65\]](#)

[SAP Integration Suite \[page 94\]](#)

[SAP Procurement: Contract Management \[page 102\]](#)

[Group Reporting Planning for SAP S/4HANA \[page 38\]](#)

4.1.1 Advanced Compliance Reporting

Here you can find the important highlights of the Line of Business Advanced Compliance Reporting.

Overdue Criticality

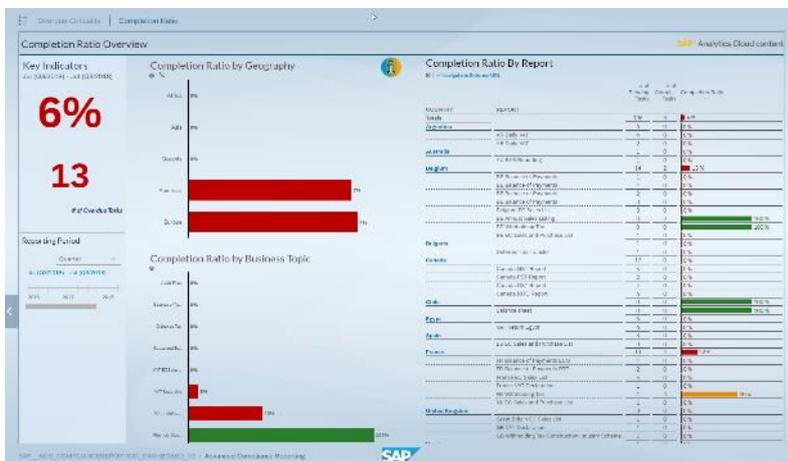
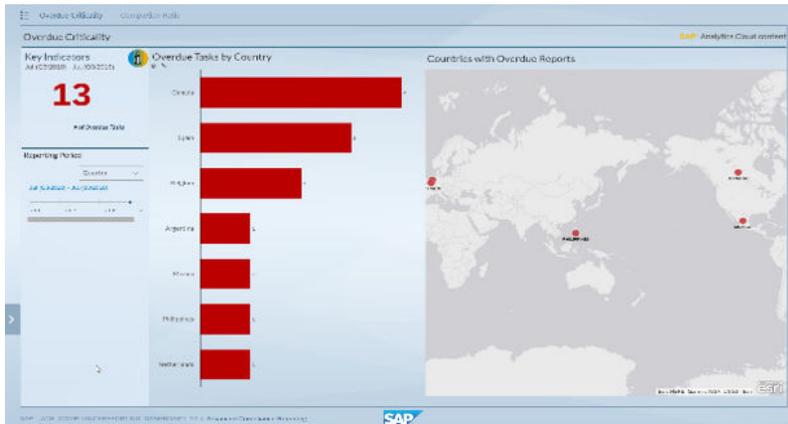
As a CFO of a multinational company, you are responsible for the mandatory legal reporting of indirect taxes for all supported countries in short crucial periods to meet the legal requirements. Monitor legal reporting tasks on a global scale in one screen indicating overdue criticality to stay complaint, avoid penalties and to be ahead of deadlines.

Completion Ratio

Get a complete detailed picture of your pending and completed reports across the world, assigned to multiple accountants and drill down from a region level to each country specific reporting task. Set monthly filters to investigate for a specific reporting period of your reporting entity.

Data Connectivity

Based on OData Service from S/4HANA system.



4.1.2 Contract-Based Revenue Recognition - Recognized Revenue Analysis

Recognized Revenue

This content provides an overview of recognized revenue that enables the revenue accountant to monitor performance and trends for recognized revenue across a variety of aspects.

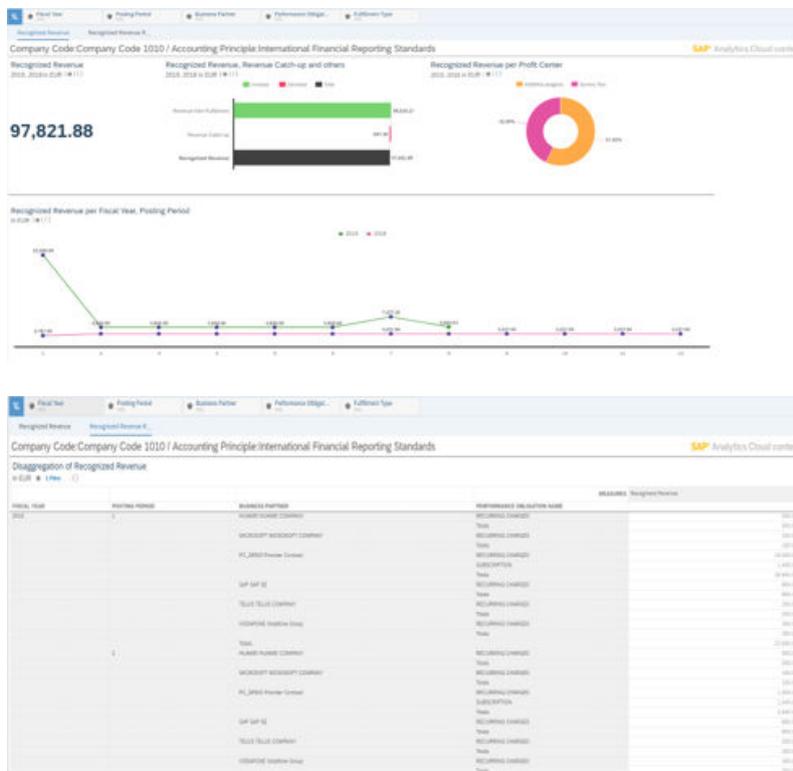
- Displays the total recognized revenue of all fiscal years you select.
- Displays the recognized revenue from fulfillment and revenue catch-up that comes from performance obligations fulfilled in prior periods.
- Displays the proportion of recognized revenue by profit center.
- Provides recognized revenue trends and compares them across different fiscal years and posting periods.
- Identifies top 5 best business partners by recognized revenue.
- Identifies top 5 best performance obligations by recognized revenue.
- Shows the recognized revenue based on the timing of the transfer of goods or service (over time or a specific point in time).

Disaggregation of Recognized Revenue – Detail Report

The content provides a detailed recognized revenue overview that is disaggregated by fiscal year, posting period, business partner and performance obligation.

Data Connectivity

Import master data and transaction data to SAP Analytics Cloud using Live Connection.



4.1.3 Digital Compliance Service - GST

Live Analysis on GST data from Digital Compliance Services (DCS)

- The SAP Analytics Cloud standard content for SAP Digital Compliance Service (DCS-GST) provides an out of the box view for your GST Data for a given period and selected GSTINs.
- It displays Overall tax payable, net dues per GST component i.e. CGST, IGST, SGST and Cess. It displays the inward credit and outward liability for each GST component and further splits that via Status codes. Where yellow items needs action, blue items need no action but in process and green is all done.

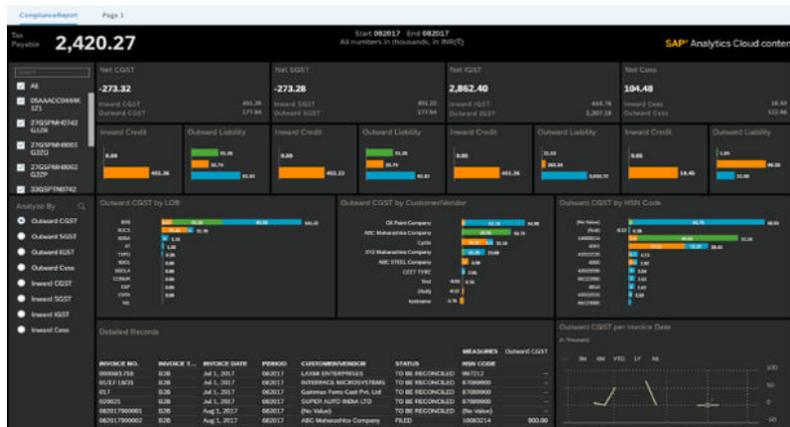
- Users can analyze all GST measures (both inward and outward) by Vendor, by customer and by HSN Code. And there is a capability to drill down up-to invoice level information.

Dependency

SAC story uses the HANA calculation views hosted and exposed by DCS application. Hence, it reports on DCS as a source.

Data Connectivity

Based on HANA Live connectivity to DCS application calculation views, hosted on SAP Cloud Platform.



4.1.4 Environment, Health, and Safety (EHS)

Greenhouse Gas Emissions

Track the companies emission reduction targets for CO2 equivalents. Monitor carbon emissions of the company's own operations, compare how well different countries, location types, or plants reach the companies emission reduction targets.

Incident Management

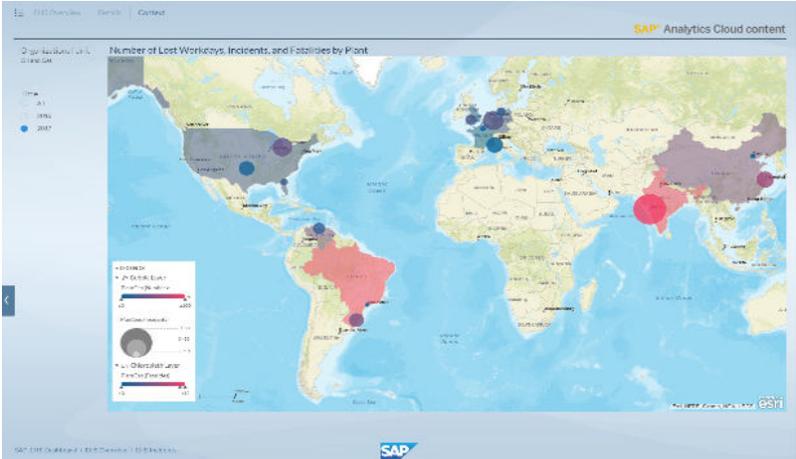
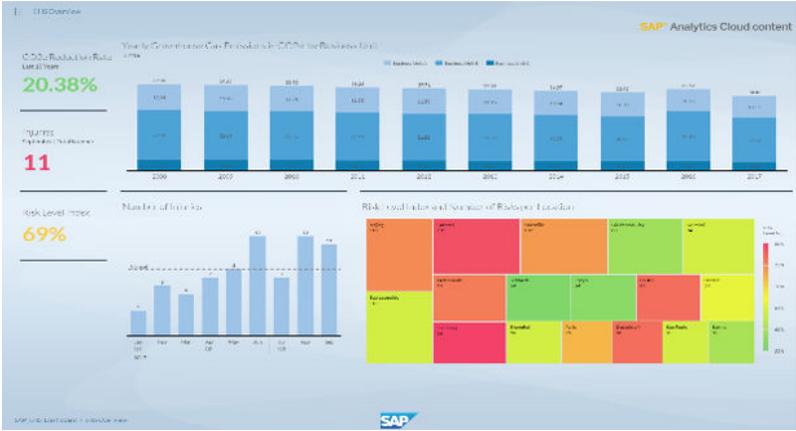
Analyze trends and report on current status of incidents, near misses and safety observations with a focus on injuries. Identify in which plants or locations the most injuries happened, which root causes can be targeted to reduce this number. Monitor the severity of injuries by showing the effect the incidents had on lost work days.

Risk Assessment

Analyze and compare the risk situation of operational units. Monitor how well this risk situation is managed by the implementation of mitigating risk controls.

Data Connectivity

CDS-View based on S/4HANA Query views based on SAP Business Warehouse.



4.1.5 SAP Field Service Management

Here you can find the important highlights of Field Service Management.

Field Service Performance Dashboard

This content provides you an overview of your Field Service Performance and shows relevant key performance indicators which can help improve processes. See, what the satisfaction of your customers in you is, or how often Technicians were not able to finish a task on the first visit.

Also, get an overview of your created Service Calls, Activities and Time and Material Journal from different point of views.

Capacity Overview

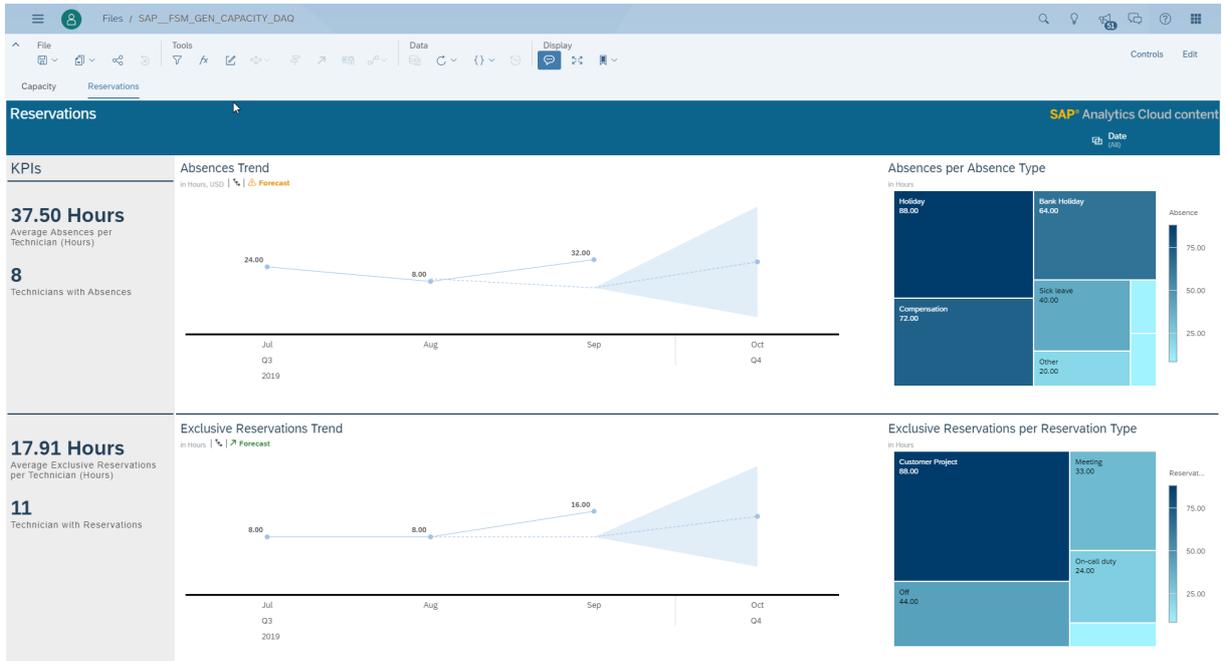
This content provides you an overview of your Field Service Capacity. It compares your available hours of capacity based on WorkTimePatterns to the already available Jobs.

Also you can distinguish between internal and external Workforce as well as which Jobs have not been assigned to anyone yet. Additionally you have to possibility to filter your capacity on Skills level.

Data Connectivity

Based on OData Service of SAP Field Service Management.





4.1.6 Finance

Here you can find the important highlights of the Line of Business Finance.

General

General assessment of financial performance as information to the management board – based on P&L, investments, and account positions.

Profit and Loss

Profit and Loss details as well as financial key performance indicators such as revenue, contribution margin and expenses.

Cash Flow and Days Outstanding

Cash Flow and Inventory overview, analysis of days sales outstanding and days payables outstanding.

Investor view

Working capital, debt to equity ratio as well as return on equity.

Data Connectivity

CDS-View based on S/4HANA Finance data General ledger information (“ACDOCA”).



4.1.7 Finance: Accounts Receivable – Invoice Payment Forecasting

Here you can find the important highlights of the Line of Business Finance: Accounts Receivable – Invoice Payment Forecasting

Overview

Accounts Receivable is typically the largest asset on any organization's financial statements. Using the results from a machine learning model, payment predictions are presented to enable collections managers to prioritize their time on high value invoices and customers with poor predicted payment behavior.

Overdue and Due In Receivables

Analyze the current state of Accounts Receivables with a view on currently overdue invoices, as well as those that will be due in the future.

Machine Learning Predictions

Using a regression model, learn from historically cleared invoices and generate payment predictions for outstanding invoices. Understand whether invoices will be paid on time or late, and by how many days.

Holistic 360° Customer View

Drill down into individual customers to understand their historical payment behavior, their current overdue invoices, and predictions on when they will pay outstanding invoices. With a view on historical and future behavior, take action to prioritize high risk customers, or renegotiate payment terms to minimize late payments and increase future cash flow visibility.

Data Connectivity

Based on data acquisition from a custom CDS view designed in S/4HANA.

This view contains S/4HANA Finance data from the General Ledger (ACDOCA).

Liquidity

Analysis of Cash Flow, Turnover Ratios and other Liquidity KPIs. Detailed analysis of DSO and Receivables outstanding also available – powered by smart grouping.

Data Connectivity

Live connectivity to S/4HANA On Premise 1808 onwards. CDS view used is based on Semantic Tags for measure calculation. This allows Content to be used with any chart-of-accounts by simply tagging the relevant accounts in the S/4HANA.



4.1.9 Finance - Contract Accounts Receivable and Payable

Here you can find the important highlights of the Line of Business Finance: Contract Accounts Receivable and Payable

Overview

The Contract Accounts Receivable and Payable component is a subledger developed for industries with a large customer base and a correspondingly high volume of documents to post. These include the insurance, utilities, telecommunication and media industries as well as the public sector.

Overdue and Cleared Customer Bills

Analyze the liquidity trend. Includes current overdue amounts, overdue amount by main transaction, and clearing analysis by clearing reason last 6 months.

Subledger Days Sales Outstanding

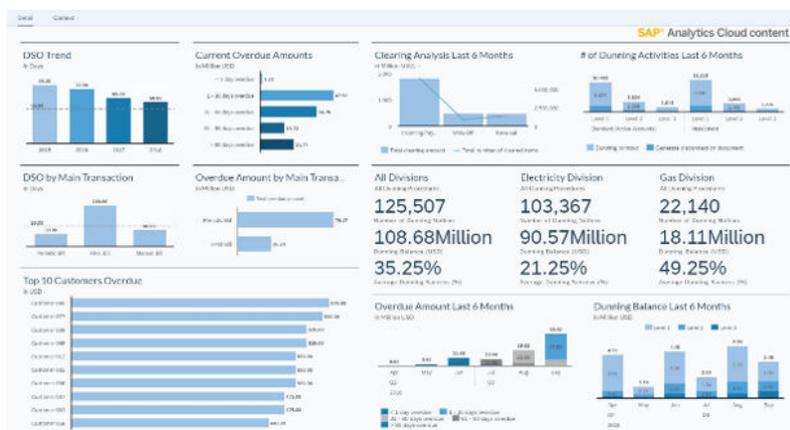
Determine the average collection period, to analyze how accounts receivables are being managed at sub-ledger level. Includes DSO trend and DSO by main transaction.

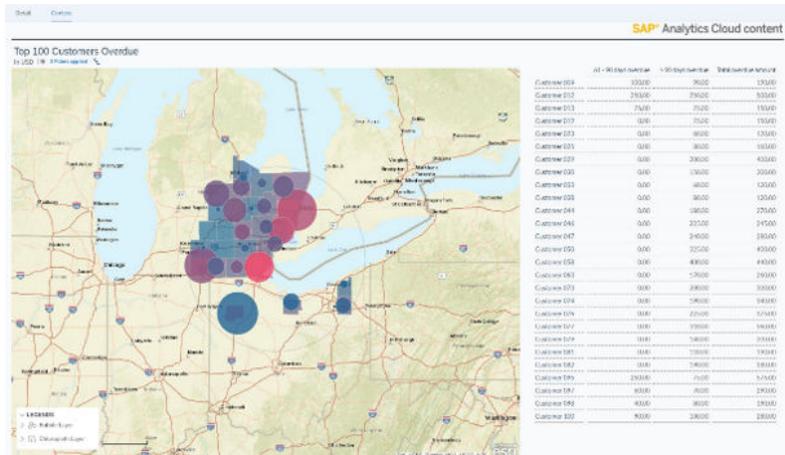
Dunning Evaluation and Activity

Report on payment behavior and dunning activities. Includes number of dunning activities by dunning procedure and level, overdue amount and dunning balance last 6 months. Also includes current number of dunning notices, current dunning balance and average dunning success (%).

Top 100 Customers Overdue

Geographic analysis of overdue amounts and number of days by customer location.





4.1.10 Finance - Financial Performance

Here you can find the important highlights of the Line of Business Finance: Financial Performance.

General

General assessment of financial performance as information to the management board – based on P&L, investments, and account positions.

Growth

Analysis of growth KPI Net Revenue based on YoY and Plan vs Actuals. Among other analysis are also available Price-Volume-Mix Effects and Machine Discovery.

Profitability

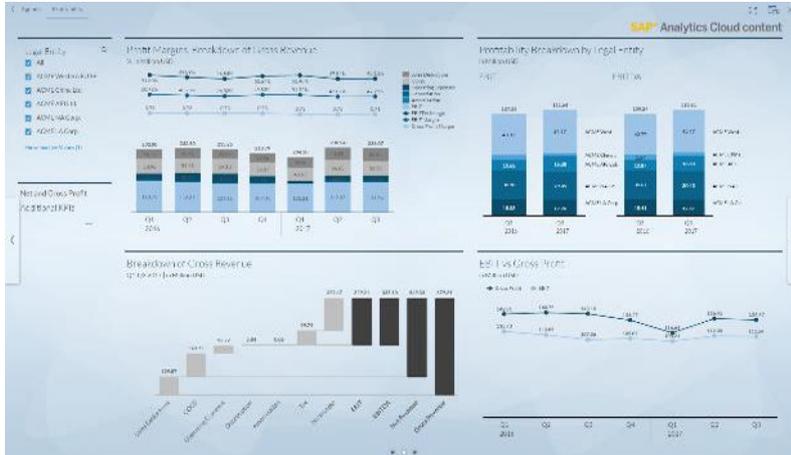
Analysis of EBIT and EBITDA based on Actuals and Forecast. Other profitability KPIs like Net and Gross Profit are also available. The P&L statement is available.

Liquidity

Analysis of Cash Flow based on Indirect Method. DSO, DPO and various liquidity ratios are available. The Cash Flow statement is available.

Data Connectivity

CDS-Views based on S/4 HANA Finance data General ledger information (“ACDOCA”).



4.1.11 Finance for SAP S/4HANA Cloud

Overview

The Finance for SAP S/4HANA Cloud content has its focus on the visualization of critical financial metrics to effectively measure business performance. It monitors and analyzes key performance indicators (KPIs). The use of Semantic Tags abstracts from a specific chart-of-accounts and thus makes the adoption easier.

Financial Insights

The first page offers a financial overview of typical key performance indicators (KPI) such as Operating Margin, Operating Profit, Earnings Before Interest, Tax, Depreciation, and Amortization (EBITDA), Shareholders' Equity, Operating Cash Flow and further more for the current actual year. The Year-over-Year and Plan vs. Actual comparisons provide the insight to track the company's financial results at a glance.

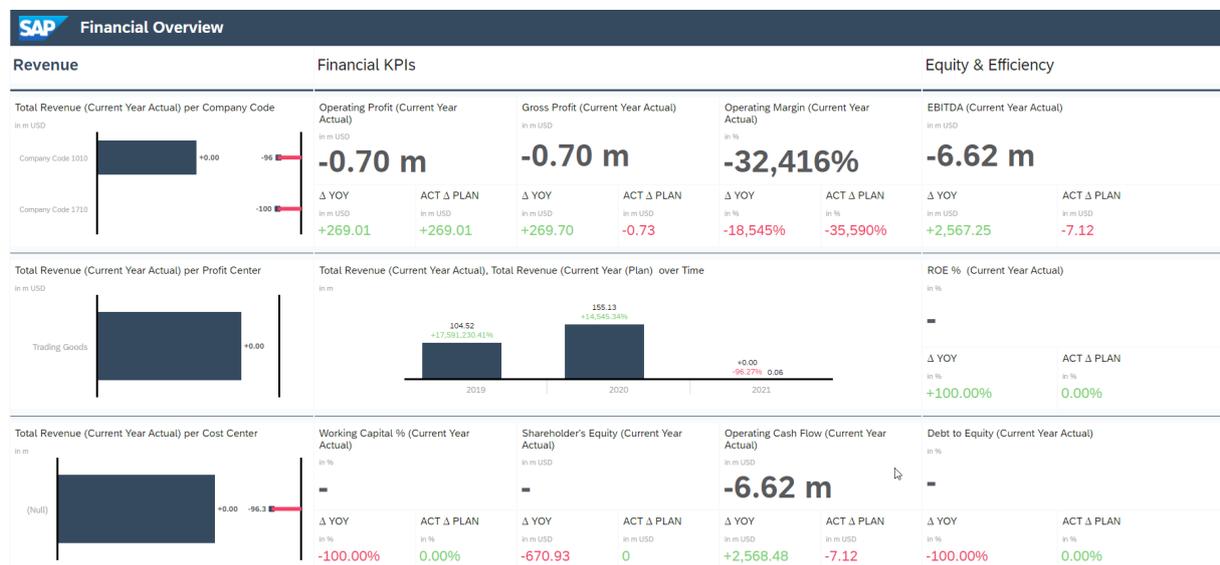
Analyze key performance indicators based the Semantic Tags of the General Ledger, such as: Recognized Revenue, Cost of Good Sold, Assets Turnover, Return on Equity, Working Capital Ratio, Operating Income, Operating Cash Flow and many more.

Profit & Loss (P&L) and Balance Sheet information with drill down options along the organisational dimensions (company code, cost and profit center) and a plan vs. actual comparison. On the P&L page, an overview of selected KPIs relevant to profitability, for instance Cost of Goods Sold (COGS), Net Income, Operating Income and Operating Expense completes the analysis. Since the Balance Sheet concentrates on the company's assets and liabilities, the represented KPIs on the third page focus on Assets Turnover, Current Liabilities and similar.

Year-over-Year and Plan vs. Actual comparisons are modeled in SAP Analytics Cloud.

Data Connectivity

Based on live data access to SAP Data Warehouse Cloud (SAP S/4HANA Cloud Financial data are replicated via Cloud Data Integration (CDI) connection).



SAP Profit & Loss								
CompanyCodeName (SAP)	COGS (Current Year Actual) in m USD		Net Income (Current Year Actual) in m USD		Operating Income (Current Year Actual) in m USD		Operating Expense (Current Year Actual) in m USD	
CostCenterName (SAP)	-0.70 m		-6.62 m		-0.70 m		-	
ProfitCenterName (SAP)	Δ YOY in m USD	ACT Δ PLAN in m USD	Δ YOY in m USD	ACT Δ PLAN in m USD	Δ YOY in m USD	ACT Δ PLAN in m USD	Δ YOY in m USD	Δ YOY in m USD
	+424.82	-0.67	+2,567.25	-7.12	+269.01	-0.75	-1.38	-0.68

P&L Statement

LedgerFiscalYear	2019		2020		2021	
	Actual	Plan	Actual	Plan	Actual	Plan
Measures						
COGS	-719,110,518.96	-1,206,442.21	-425,522,367.52	-495,179.87	-699,291.48	-29,528.76
EmployeeExpense	-	-	193,775.28	2,148.55	-	-
Gross Margin	37,000.00	1,000.00	98,300.00	10,000.00	600.00	2,600.00
Income Tax	-	-	-	-	-	-
Interest	-	-	-	-	-	-
Net Income	-5,838,502,385.18	-22,468,097.36	-2,573,877,632.42	9,830,103.69	-6,622,838.36	500,187.92
Total Operating Expense	-719,098,900.11	0.00	-424,838,166.43	-19,958.88	-699,291.48	-4,992.80
Operating Income	-614,578,251.34	594.16	-269,710,301.92	1,039,271.02	-697,140.88	52,651.36
Net Revenue	-0.07	-0.00	-0.19	-1.07	-0.00	-0.98

4.1.12 Financial Analytics Dashboard for SAP Analytics Cloud

Financial Insights based on SAP S/4HANA Cloud live access

The first two dashboard pages offers near real-time analytics of the top key financial indicators such as Operating Margin, Profitability, Operating Expenses and Assets and Liabilities. Year-over-Year and Plan/Actual comparisons provide the contextual frame that allows chief financial officers and others to analysis their company's financial situation intuitively. Financial Performance can be analyzed further with top performer information for product, customer group or organisation. In addition, you will find balance sheet and P&L KPIs with drill down-capabilities along the organisational dimension (company code) or plan-actual comparison.

Cross-application Analytics based on SAP Data Warehouse Cloud

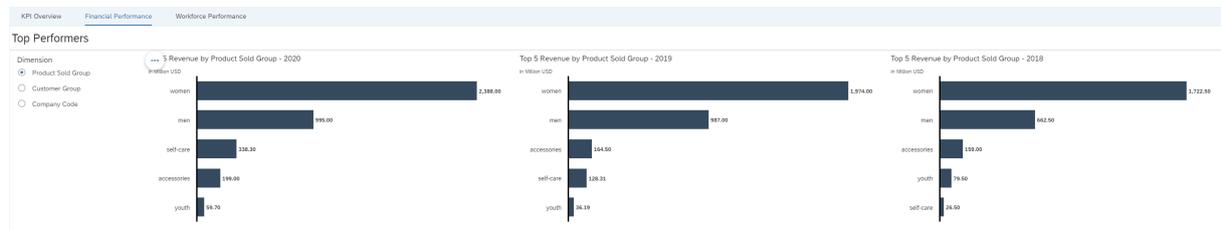
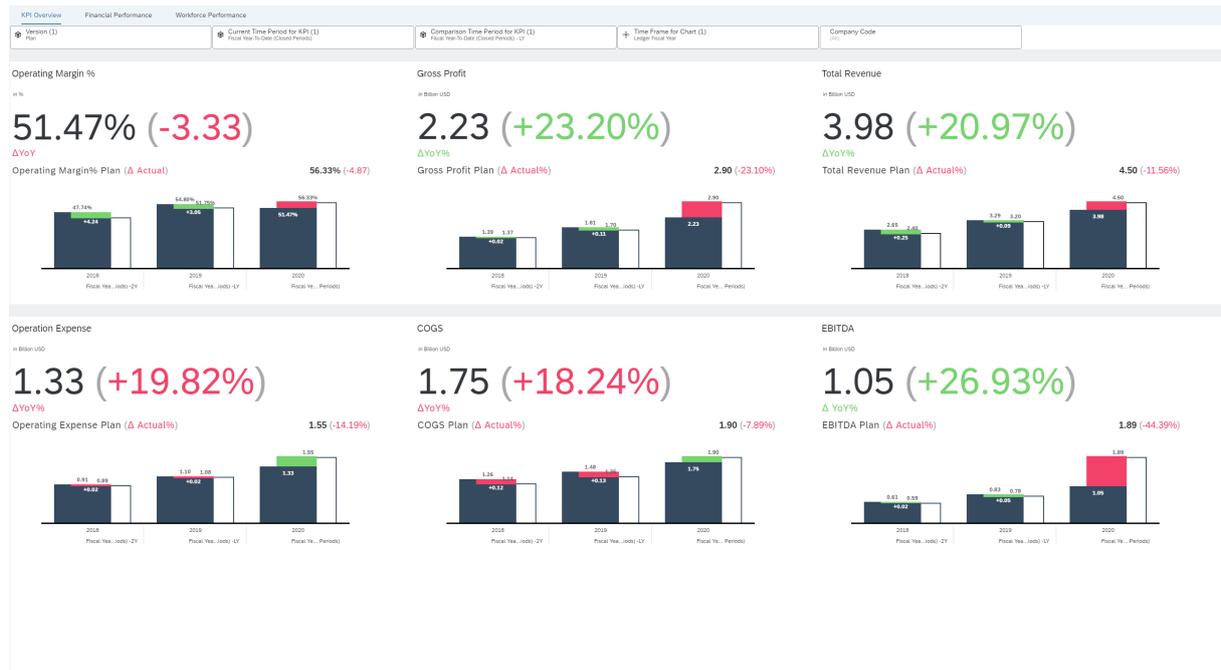
The workforce performance analysis is based on a cross-application data model in SAP Data Warehouse Cloud (separate content package available) that combines financial information from S/4HANA Cloud and HR information from SAP SuccessFactors: Key KPIs can be analyzed per FTE and thus organizational units may be benchmarked more easily.

Year-over-Year and Plan-Actual comparisons are also offered, time trends are visualized and the most important employee facts such as Headcount, Open positions or FTE trends may be analyzed.

Data Connectivity

Based on

- Live data access to SAP S/4HANA Cloud for financial KPIs
- Live data access to SAP Data Warehouse Cloud for cross-application KPIs based on the combination of SAP S/4HANA Cloud financial data and SAP SuccessFactors human resources data.



Financial KPIs

	Fiscal Year-To-Date (Closed Periods) - 2020		Fiscal Year-To-Date (Closed Periods) - LY		Fiscal Year-To-Date (Closed Periods) - 2Y	
	2020	2019	2019	2018	2018	2017
Accounts Payable	234.00	270.00	270.00	253.00	253.00	253.00
Current Liabilities	620.00	500.00	500.00	597.00	597.00	597.00
Shareholder's Equity	1,262.00	1,448.00	1,448.00	1,597.00	1,597.00	1,597.00
Debt to Equity Ratio	0.48	0.44	0.44	0.25	0.25	0.25
Debt to Asset Ratio	0.41	0.31	0.31	0.20	0.20	0.20
Working Capital	2.91	2.86	2.86	4.90	4.90	4.90
Accounts Receivable	40.00	36.00	36.00	19.00	19.00	19.00
Current Assets	1,807.00	1,429.00	1,429.00	1,438.00	1,438.00	1,438.00

	Fiscal Year-To-Date (Closed Periods) - 2020		Fiscal Year-To-Date (Closed Periods) - LY		Fiscal Year-To-Date (Closed Periods) - 2Y	
	Actual	Plan	Actual	Plan	Actual	Plan
Net Income	648.00	600.00	484.00	480.00	299.00	299.00
Gross Margin	2,230.00	2,400.00	1,850.00	1,800.00	1,360.00	1,360.00
Operating Profit	626.00	600.00	578.00	571.00	360.00	360.00
Income Tax Amount	292.00	238.00	271.00	230.00	203.00	190.00
Interest Expense	11.00	12.00	23.00	32.00	4.00	4.00



4.1.13 Financial Planning & Analysis for SAP S/4HANA Cloud (SAP Best Practices)

Here you can find the important highlights of the SAP Financial Planning & Analysis for SAP S/4HANA Cloud.

Overview

This is a Best Practices content for Financial Planning & Analysis for SAP S/4HANA Cloud using SAP Analytics Cloud. For more information, go to [SAP Financial Planning for SAP S/4HANA Cloud \(2EB\)](#).

Financial Statement, Cost Center, and Profit Center Planning

SAP Financial Planning for SAP S/4HANA Cloud enables planners to complete a Cost Center, Profit Center, Balance Sheet, and Cash Flow plan in SAP Analytics Cloud based on financial information sources for SAP S/4HANA Cloud. Accelerators include planning input templates, planning calculations, and a planning process flow (Best Practice Analytics scope item 2EB).

Trend Analysis, Variance Analysis, and Year-over-Year Analysis

SAP Financial Analysis for SAP S/4HANA Cloud enables analysts or planners to analyze trends, variances, and growth rates for both Actuals and Plan in SAP Analytics Cloud. Accelerators mirror the content in Real-time Financial Planning for SAP S/4HANA Cloud (Best Practice Analytics scope item 2EB).

Integration between SAP Analytics Cloud and SAP S/4HANA Cloud

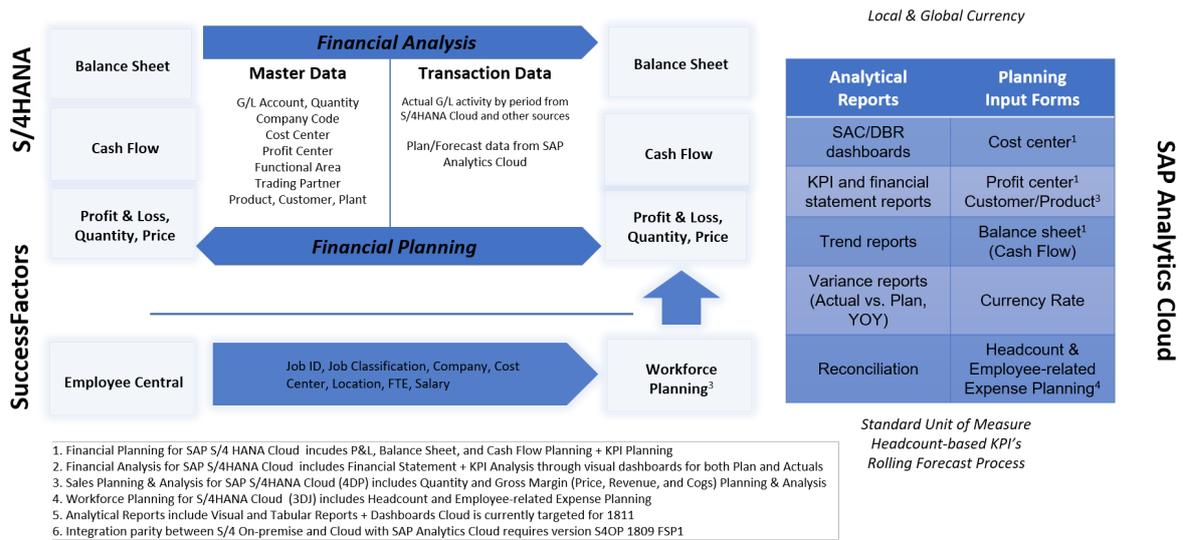
SAP delivers best practice methodologies to integrate financial results from SAP S/4HANA Cloud into SAP Analytics Cloud and retract Plan data back into SAP S/4HANA Cloud. Best Practice methodology establishes SAP S/4HANA Cloud as the primary source of master data and financial structures.



CROSS CALCULATIONS	Actual-201709	Actual-201710	Plan-201711	P
G/L ACCOUNT				
▼ Operating Expense	65.00 €	–	80,000.00 €	
▶ Building Expense	–	–	177.00 €	
▶ Depreciation & Amortization	–	–	0.00 €	
▼ Employee Expense	65.00 €	–	77,665.00 €	
▼ Office Expense	65.00 €	–	19,416.00 €	
Telephone and other Communication	–	–	2,157.00 €	
Fax and Internet	–	–	2,157.00 €	
Building Periodic Service	–	–	2,157.00 €	
Postage and Shipping	–	–	2,157.00 €	
Office Supplies	65.00 €	–	2,157.00 €	
Computer Supplies	–	–	2,157.00 €	
Other Supplies	–	–	2,157.00 €	
Legal and Audit Services	–	–	2,157.00 €	
Freight	–	–	2,157.00 €	
▶ Payroll	–	–	38,833.00 €	
▶ Travel	–	–	12,944.00 €	
▶ Employee Expense Other	–	–	6,472.00 €	
▶ Other Operating Expense	–	–	2,157.00 €	

Component Diagram

SAP Financial Planning & Analysis for SAP S/4HANA Cloud Best Practice Content



4.1.14 Financial Services (S/4HANA for Financial Products Subledger)

Here you can find the important highlights of the Line of Business Financial Services (S/4HANA for Financial Products Subledger)

Journal Entry Item View

Analytical application that allows you to display subledger journal entry items.

Financial Statement

Analytical application that allows you to display a balance sheet and a profit & loss statement.

Financial Statement Period Comparison

Analytical application that allows you to compare balance sheets and profit & loss statements for two different key dates.

Financial Statement Actual/Scenario Comparison

Analytical application that allows you to compare balance sheets and profit & loss statements for actual data with a defined scenario on a key date.

Financial Statement Scenario/Scenario Comparison

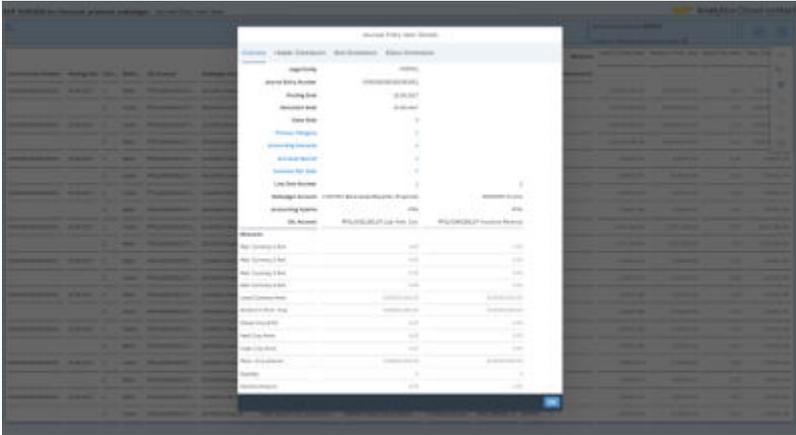
Analytical application that allows you to compare balance sheets and profit & loss statements for two different scenarios on a key date.

Rollforward Report

Analytical application that allows you to show the development of a balance sheet position within a defined period of time.

Connectivity

Live data connection to S/4HANA for financial products subledger client.





4.1.15 Finance: Operational Expense Planning and Analysis

Here you can find the important highlights of the Line of Business Finance: Operational Expense Planning and Analysis

Overview

Allow users to track Operating Expenses by cost center for month, quarter and year.

Seeded Forecast

Allow users to select plan and cutover data to review a rolling forecast of plan and actual values in a report that is easy to review and to enter in plan values.

Account Detail

Worksheet provides account details by cost center for user defined time periods. The report also calculates the variance for the plan versus actuals to make it easy to spot positive and negative contributors.

Rolling Actuals

Worksheet provides a rolling actuals report where users can specify cost centers they are interested in displaying and the time horizon for the report.

Data Connectivity

Based on SAP__FI_ANA_IM_GLFP model, which is used in Real Time Finance and Planning content to show financial data from S/4 Cloud.



	2017	2018	2019	2017	2018	2019	2017	2018	2019
* Operating Expense	3,118.0	3,913.0	4,136.0	3,118.0	3,913.0	4,136.0	3,118.0	3,913.0	4,136.0
* Building Expense	4,813.0	5,138.0	5,138.0	4,813.0	5,138.0	5,138.0	4,813.0	5,138.0	5,138.0
* Depreciation Expense	-	1,813.0	1,813.0	-	1,813.0	1,813.0	-	1,813.0	1,813.0
* All Maintenance	-	1,813.0	-	-	1,813.0	-	-	1,813.0	-
* Organization & Administration	-	-	1,813.0	-	-	1,813.0	-	-	1,813.0
* Administration	-	-	-	-	-	-	-	-	-
* Depreciation	-	-	1,813.0	-	-	1,813.0	-	-	1,813.0
* Construction Expense	3,118.0	3,913.0	-	3,118.0	3,913.0	-	3,118.0	3,913.0	-
* Other Expenses	-	1,813.0	-	-	1,813.0	-	-	1,813.0	-
* Profit	3,118.0	2,100.0	-	3,118.0	2,100.0	-	3,118.0	2,100.0	-
* New Business	3,118.0	3,913.0	-	3,118.0	3,913.0	-	3,118.0	3,913.0	-
* New Orders	-	-	1,813.0	-	-	1,813.0	-	-	1,813.0
* New Business Initiatives	3,118.0	3,913.0	-	3,118.0	3,913.0	-	3,118.0	3,913.0	-
* New Business	-	-	-	-	-	-	-	-	-
* Profit	3,118.0	2,100.0	-	3,118.0	2,100.0	-	3,118.0	2,100.0	-
* Total	3,118.0	2,100.0	-	3,118.0	2,100.0	-	3,118.0	2,100.0	-
* Total Operating Expense	3,118.0	3,913.0	4,136.0	3,118.0	3,913.0	4,136.0	3,118.0	3,913.0	4,136.0

4.1.16 Financial Products Subledger IFRS17 for S/4 HANA

Overview

Overview of Key Measures from Profit and Loss and Changes in Insurance Liabilities

Data Intake

Overview of Data loaded to FPSL, for example, CSM Group and Cashflows.

Analysis of Change

Shows the key Measures for Changes in Insurance Liabilities based on the IFRS17 Specifications.

Profit and Loss (GMM)

Profit and Loss Statement for GMM (General Measurement Model)

Profit and Loss (PAA)

Profit and Loss Statement PAA (Premium Allocation Approach)

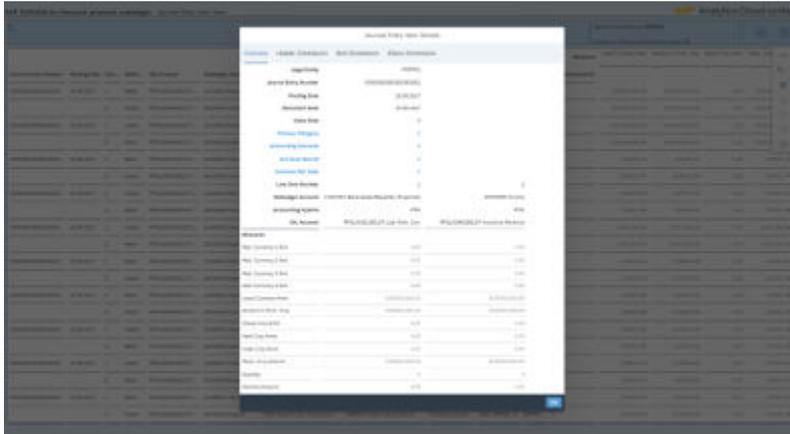
Subledger Postings

Analysis of detailed Subledger Postings with possibility to filter the data

Connectivity

Live data connection to S/4HANA for financial products subledger HANA DB.





4.1.17 Financial Consolidation for SAP S/4HANA Cloud (SAP Best Practices)

Here you can find the important highlights of the Line of Business Group Reporting for SAP S/4HANA Cloud.

Overview

Best Practices for Group Reporting for SAP S/4HANA Cloud using SAP Analytics Cloud.

Real-time integration between SAP S/4HANA Cloud and SAP Analytics Cloud

SAP Real-time Financial Analytics for SAP S/4HANA Cloud enables analysts or controllers to dive into SAP S/4HANA Cloud using a real-time connector. Accelerators include a prebuilt set of LIVE Version comparison reports and actual consolidated reports(Best Practice Analytics scope item 2K6).

Consolidated Balance Sheet, Profit & Lost, Cash Flow Analyses

- Financial Consolidation for S/4HANA Cloud (Best Practice Analytics scope item 2K6) enables pre-built set of pre-built analytical dashboards(in future) and reports that help to analyze the balance sheet, profit & lost and cash flow for robust analytics on SAP S/HANA Cloud data.
- Consolidated Story available which covers all the actuals reports centrally.
- Total 19 reports in 5 stories available, 1 actual consolidated report book, 12 planning analysis report for Actual versus Budget, Actual versus Forecast, Periodic overview and 1 predictive analysis.

Integration between SAP Analytics Cloud and SAP S/4HANA Cloud

SAP delivers best practice methodologies to integrate financial results from SAP S/4HANA Cloud into SAP Analytics Cloud, plus retract Plan data back into SAP S/4HANA Cloud. Best Practice methodology establishes SAP S/4HANA Cloud as the primary source of master data and financial structures.

Consolidated Profit&Loss Statement
 Group: Test COA: Consolidation Chart of Accts Year/Period: Cal. Year, 4 Special Periods 2015/12

In EUR | 2 Filters applied | 3

	Opening	Closing
Balance Sheet	0.00	0.00
Assets	4,600.00	229,000.00
Current assets		230,000.00
Current assets oth. than incl. in disposal		
Cash and cash equivalents		220,000.00
Trade and other current receivables		
Current tax assets		
Other current assets		
Inventories		
Other current financial assets		10,000.00
NC assets or disp. groups classified HFS		
NC assets HFS		
NC assets HFO		
Non Current assets	4,600.00	(1,000.00)
Property, plant and equipment		(10,000.00)
Lands/buildings		
Lands/build. Dep		
Tang Assets UC		
Tang A UC,imp		
Office equip		

Consolidated Profit&Loss Statement
 Group: Test COA: Consolidation Chart of Accts Year/Period: Cal. Year, 4 Special Periods 2015/12

In EUR | 2 Filters applied | 3

	YTD Amount	Periodic Amount
Revenue	180,000.00	180,000.00
Changes in Inventory / COS		
Gross margin	180,000.00	180,000.00
Other operating income		
Personnel expenses		
Depreciation		
Other operating expenses		
Operating Income / loss	180,000.00	180,000.00
Finance Income		
Finance costs	4,400.00	4,400.00

Consolidated Cash Flow Statement

Group: Test COA: Consolidation Chart of Account Year/Period: Cal. Year, 4 Special Periods 2015/012

in EUR | Key Figures Filter | 3

	YTD amount	Periodic amount
Profit (loss)	(149,760.00)	(149,760.00)
Adjustments for reconcile profit (loss)	(70,240.00)	(70,240.00)
Interests paid		
Income taxes (refund) paid	0.00	0.00
Other inflows (outflows) of cash		
Net cash flows from (used in) operating activities	(220,000.00)	(220,000.00)
Cash flows from losing control of subsidiaries		
Cash flows used in obtaining control of subsid.		
Other cash receipts/sale of equity or debt inst.		
Other cash payments to acquire equity or debt inst		
Other cash receipts from sale of interests in JV		
Other cash payments to acquire interests in JV		
Proceeds from sale of property, plant and equip.		
Purchase of property, plant and equipment		
Proceeds from sales of intangible assets		
Purchase of intangible assets		
Proceeds from sale of other assets		
Purchase of other assets		
Repayments of loans and adv. made to other parties		
Advances and loans made to other parties		

4.1.18 Group Reporting Planning for SAP S/4HANA

Here you can find the important highlights of the Group Reporting Planning for SAP S/4HANA for the current release.

Overview

Group Reporting Planning for SAP S/4HANA supports planning process including P&L, P&L by Partner and balance sheet and balance sheet by partner planning. In the end a complete group reporting plan P&L and balance sheet are derived.

Group Reporting Planning

This content provides profit and loss planning with revenues, costs, and expenses and balance sheet planning with assets, liabilities, and owner's equity both with the possibility to drill down on functional area and transaction type. Reporting stories provide insights into the financial statement data by functional area, transaction type, and partner consolidation unit.

SAP Group Reporting Planning Plan Profit & Loss

Copy P&L and Balance Sheet from Actuals

in USD | 2 Filters | Hidden

Financial Statement Item	Version		Time									
	Actual > 2021	Plan < 2022	P01 (2022)	P02 (2022)	P03 (2022)	P04 (2022)	P05 (2022)	P06 (2022)	P07 (2022)	P08 (2022)	P09 (2022)	P10 (2022)
NET INCOME / LOSS	-104,700	-104,700	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725
Profit (loss) from continuing operations	-104,700	-104,700	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725
Profit (loss) before tax	-104,700	-104,700	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725	-8,725
Financial result	1,800	1,800	150	150	150	150	150	150	150	150	150	150
Finance income	-7,200	-7,200	-600	-600	-600	-600	-600	-600	-600	-600	-600	-600
Interest income	-7,200	-7,200	-600	-600	-600	-600	-600	-600	-600	-600	-600	-600
Finance costs	9,000	9,000	750	750	750	750	750	750	750	750	750	750
Interest expenses	9,000	9,000	750	750	750	750	750	750	750	750	750	750
Operating income / loss	-106,500	-106,500	-8,875	-8,875	-8,875	-8,875	-8,875	-8,875	-8,875	-8,875	-8,875	-8,875
Gross margin	-264,000	-264,000	-22,000	-22,000	-22,000	-22,000	-22,000	-22,000	-22,000	-22,000	-22,000	-22,000

SAP Group Reporting Planning Input Balance Sheet Changing

Calculate Balance Sheet for Closing

in USD | 3 Filters | Hidden

Financial Statement Item	Transaction Type	Version		Time									
		Actual > 2021	Plan < 2022	P01 (2022)	P02 (2022)	P03 (2022)	P04 (2022)	P05 (2022)	P06 (2022)	P07 (2022)	P08 (2022)	P09 (2022)	P10 (2022)
Raw materials	Opening balance	600,000	679,200	679,200	685,800	692,400	699,000	705,600	712,200	718,800	725,400	732,000	738,600
	> Changing balance	79,200	79,200	6,600	6,600	6,600	6,600	6,600	6,600	6,600	6,600	6,600	6,600
	Closing balance	679,200	758,400	685,800	692,400	699,000	705,600	712,200	718,800	725,400	732,000	738,600	745,200
Office equipment	Opening balance	750,000	849,000	849,000	857,250	865,500	873,750	882,000	890,250	898,500	906,750	915,000	923,250
	> Changing balance	99,000	99,000	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250
	Closing balance	849,000	948,000	857,250	865,500	873,750	882,000	890,250	898,500	906,750	915,000	923,250	931,500
Trade payables	Opening balance	-600,000	-679,200	-679,200	-685,800	-692,400	-699,000	-705,600	-712,200	-718,800	-725,400	-732,000	-738,600
	> Changing balance	-79,200	-79,200	-6,600	-6,600	-6,600	-6,600	-6,600	-6,600	-6,600	-6,600	-6,600	-6,600
	Closing balance	-679,200	-758,400	-685,800	-692,400	-699,000	-705,600	-712,200	-718,800	-725,400	-732,000	-738,600	-745,200

Transaction Type	Version	Plan	
	Opening balance	> Changing balance	Closing balance
Time	> 2022	> 2022	> 2022
Financial Statement Item			
BS and PL	0	0	0
Balance Sheet	0	104,700	104,700
Assets	2,178,900	678,900	2,857,800
> Current assets	1,389,500	589,500	1,979,000
> Non Current assets	789,400	89,400	878,800
Liabilities & Equity	-2,178,900	-574,200	-2,753,100
> Total equity	-204,700	-	-204,700
> Liabilities	-1,974,200	-574,200	-2,548,400
Profit and loss	0	-104,700	-104,700
NET INCOME / LOSS	0	-104,700	-104,700
> Profit (loss) from conti...	0	-104,700	-104,700

Data Connectivity

Group Reporting Planning for SAP S/4HANA is based on the SAP S/4HANA data model and fully integrated with it. Master data and transaction data from SAP S/4HANA can be loaded. The complete integration is part of the content delivery and is available out of the box.

4.1.19 HR Analytics for S/4HANA Cloud and SAP SuccessFactors (SAP Best Practices)

Workforce Overview and Workforce Diversity

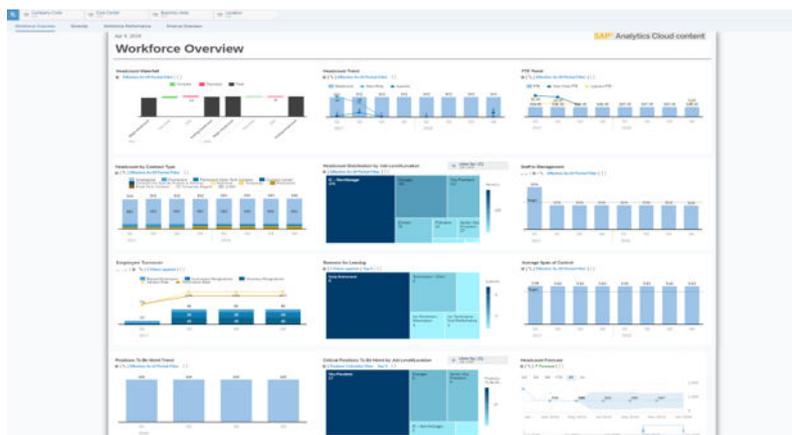
This dashboard visualizes key measures based on data from SAP SuccessFactors. Prebuilt charts provide insights into Headcount and FTE trends, staff in management, turnover rates and the diversity of workforce in terms of gender, tenure and generations, as well as contract types and span of control.

Workforce Performance

This dashboard visualizes key measures based on data from SAP S/4HANA Cloud and SAP SuccessFactors. KPIs for Total Workforce Ratio, Financial Expenses per FTE, Financial Actual and Plan data by Cost Center are brought together with HR-related measures such as Headcount and Positions by Cost Center.

Finance Overview

This dashboard visualizes key measures based on data from SAP S/4HANA Cloud. Prebuilt charts show Balance Sheet, Net Income and Cash Flow data as well as a Financial Statement table.



4.1.20 SAP Human Experience Management Workforce Planning

Operative Head Count Planning

- This package enables top-down as well as bottom-up planning of headcount or full-time equivalents and calculates the resulting costs using the central assumptions as basis.
- Preparation of planning process: Setup parameters for cost calculation including mid-point salaries and other cost drivers. Seed plan data with existing data if desired. Create versions for chart comparisons, including budgets from Strategic Financial Planning.

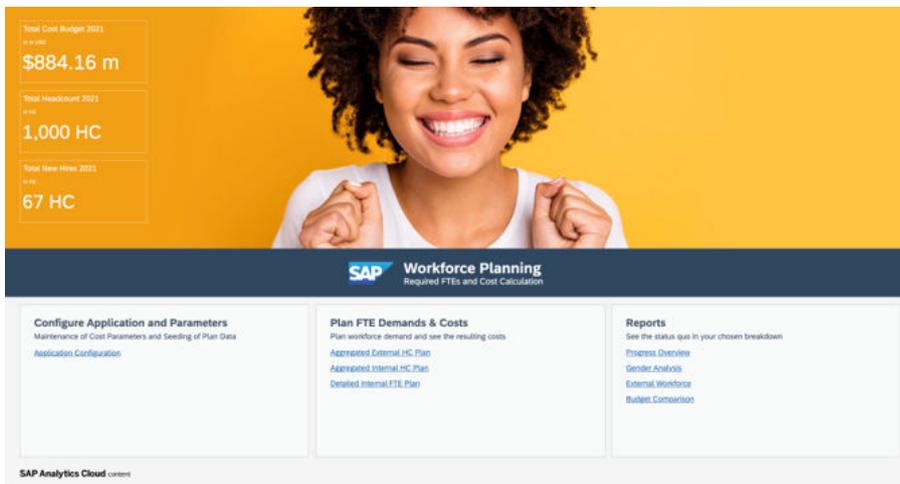
- Top-down aggregated planning: planning of target headcount, required new hires and contingent workers. Costs for workforce are re-calculated based on centrally maintained parameters
- Bottom-Up detailed planning: Planning individual actions on employee level (e.g. maintain absence, adjust employment level, plan cost center change) and get an updated costs overview based on current plan. Plan detailed new positions for a team to increase workforce and assess resulting costs.
- Additional reports and analysis of current and planned total workforce to give insights during and after the planning cycle. Insights include ratio of external to internal workforce, and gender analysis.

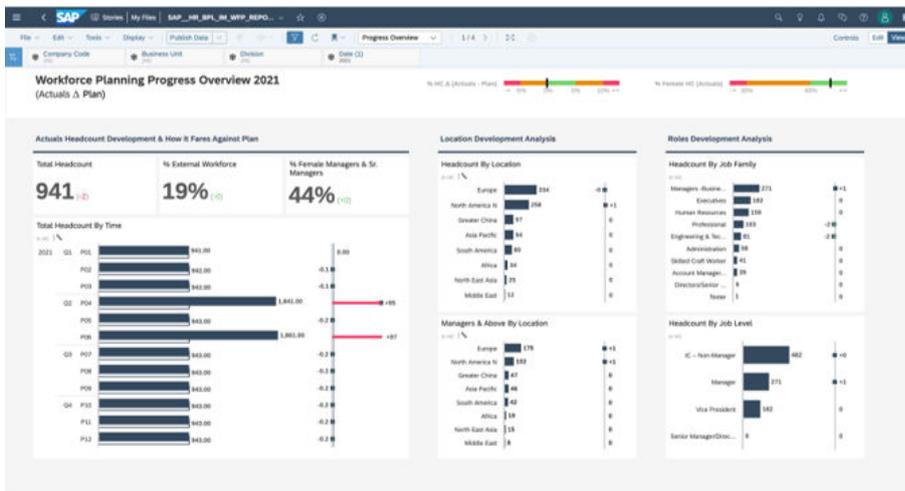
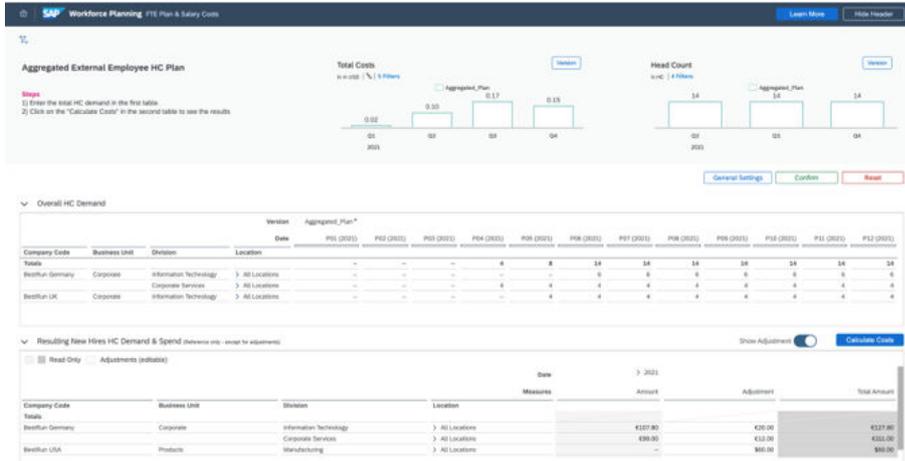
Configure Models and Extend Logic to the Unique Needs of Your Organization

- Strong focus on flexibility and expandability of planning dimensions
- Customization can be done with low effort and no impact on the data model
- Business Logic is created modularly, allowing for scalability and easy customization
- Data Model allows the extension of central KPIs with low effort

Data Connectivity

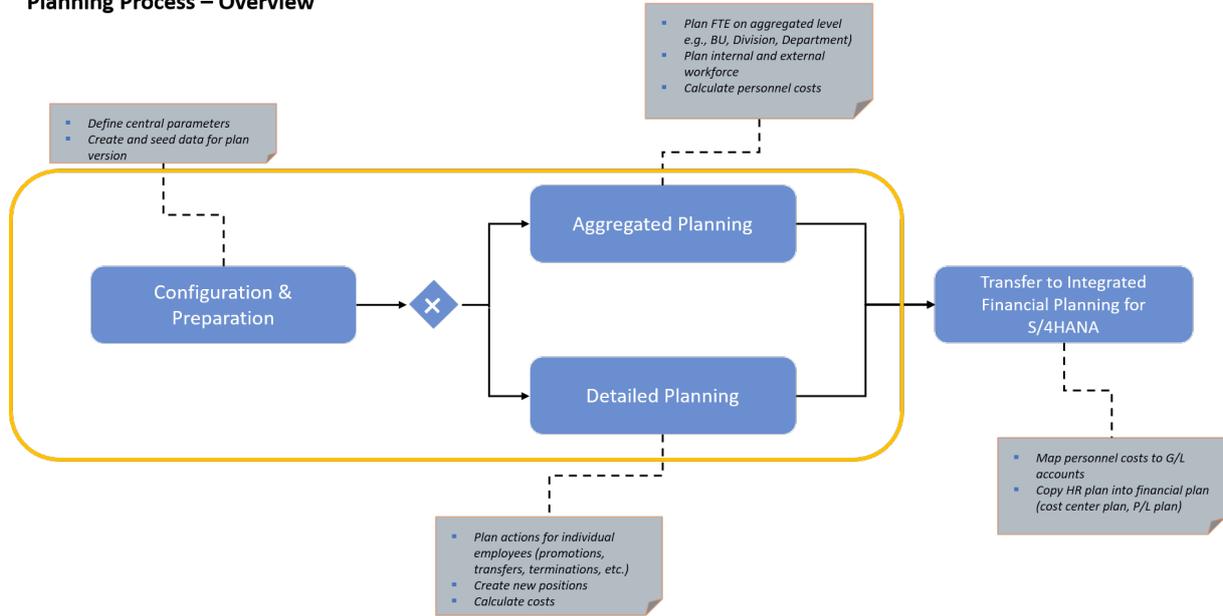
Based on SAP Success Factors Employee Central.



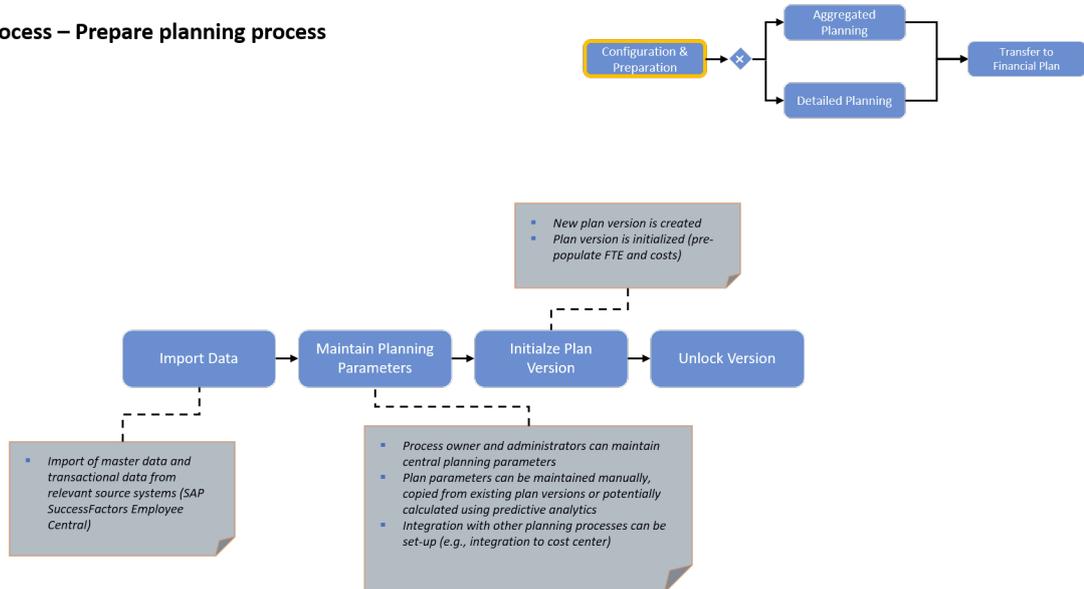


Planning Process

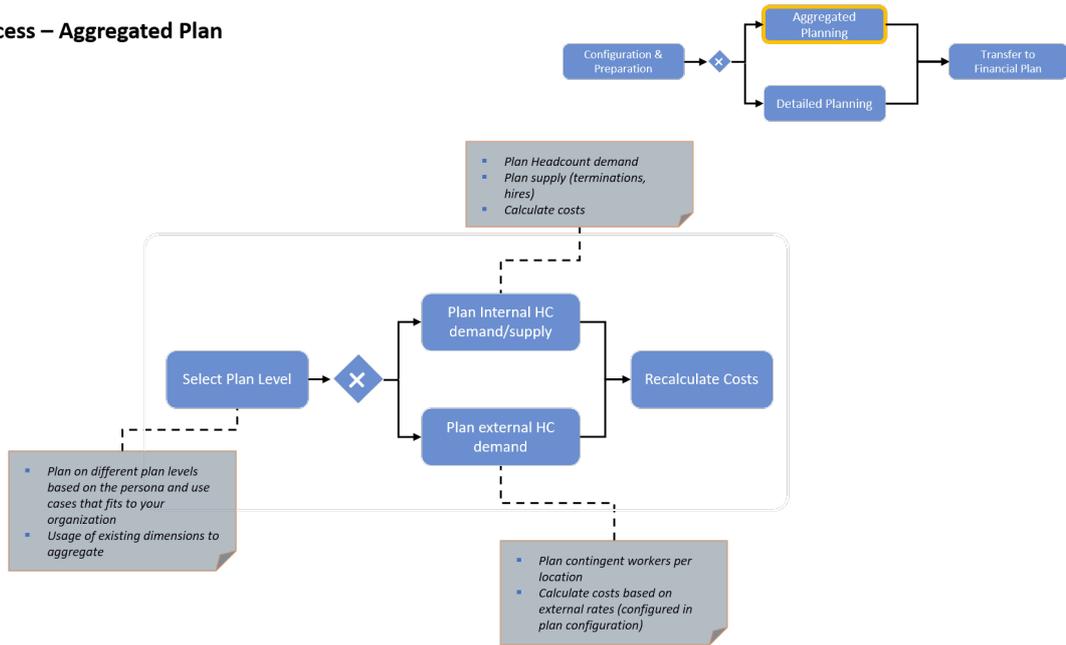
Planning Process – Overview



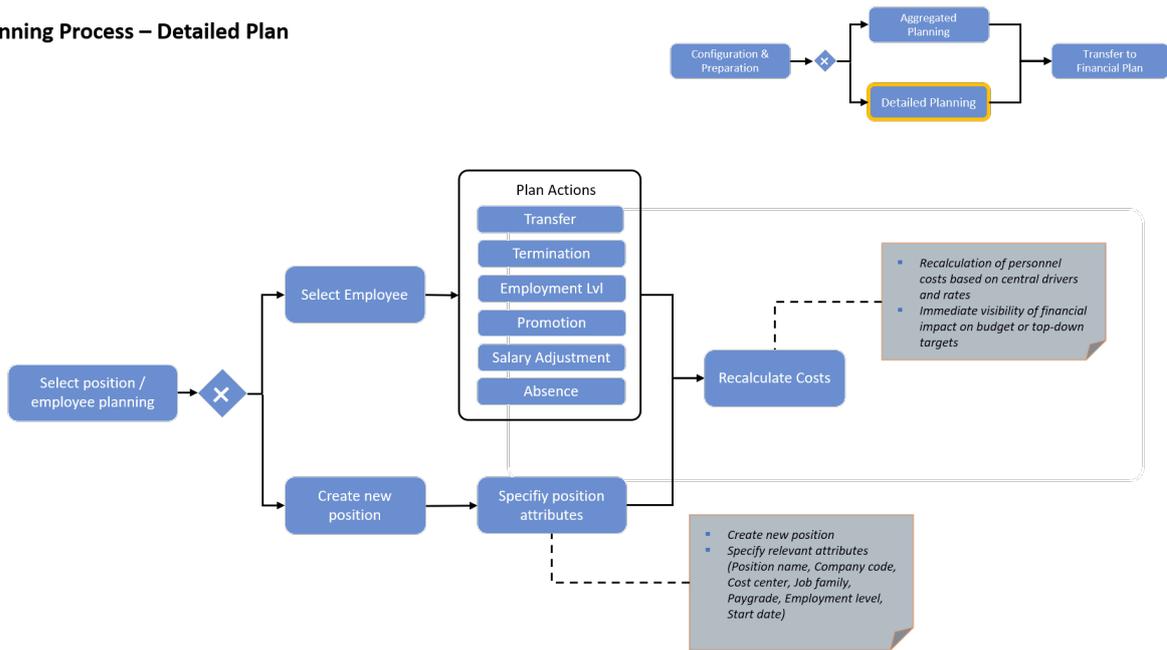
Planning Process – Prepare planning process



Planning Process – Aggregated Plan



Planning Process – Detailed Plan



4.1.20.1 SAP Human Experience Management Workforce Planning Add-on

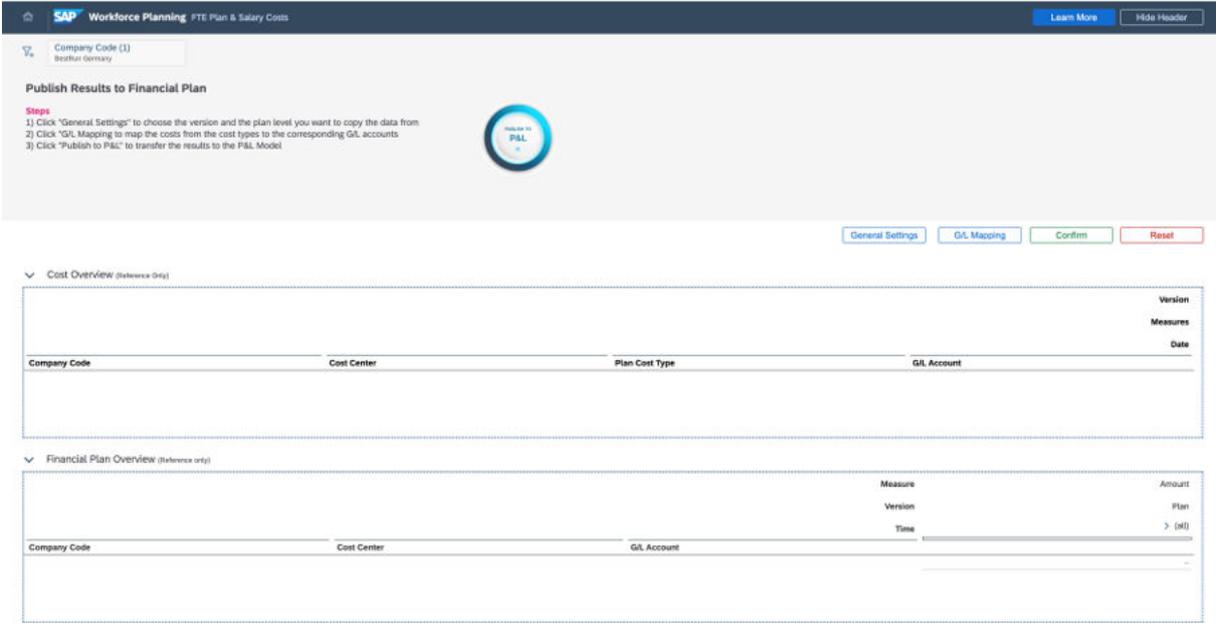
Add-On for Consolidating Workforce Costs Data into SAP S/4HANA Financial Planning

This package publishes the resulting planned costs from the HXM Workforce Planning content to the P&L model for SAP S/4HANA Integrated Financial Planning content to enable informed strategic decisions.

- Resulting workforce planning costs are mapped into the corresponding GL accounts.
- Planned costs are copied into the Cost Center Planning and Budgeting model.

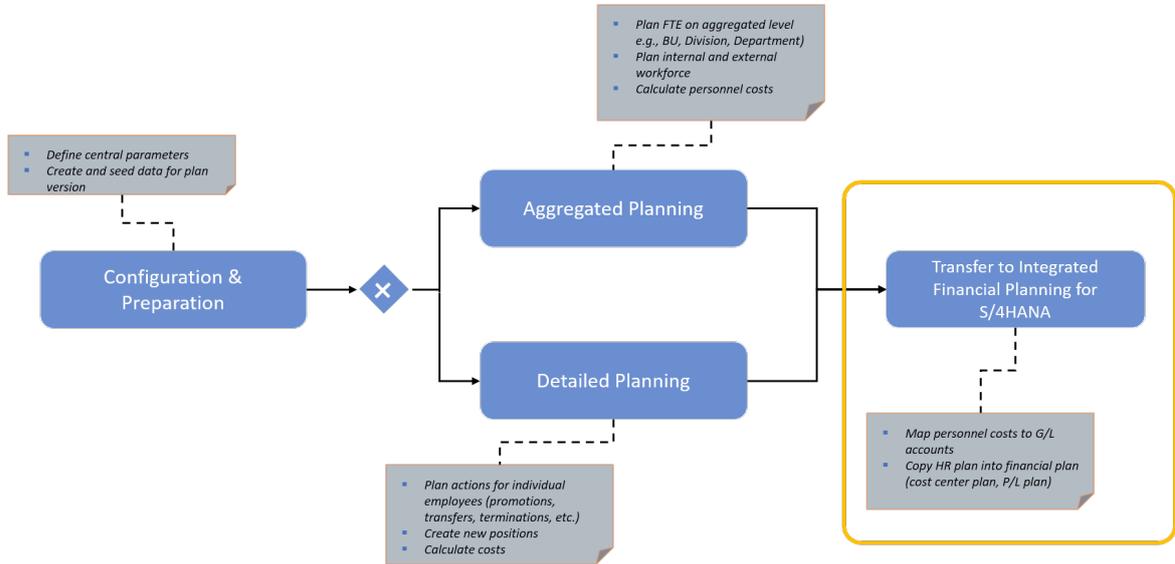
Data Connectivity

- SAP Success Factors Employee Central
- SAP S/4HANA

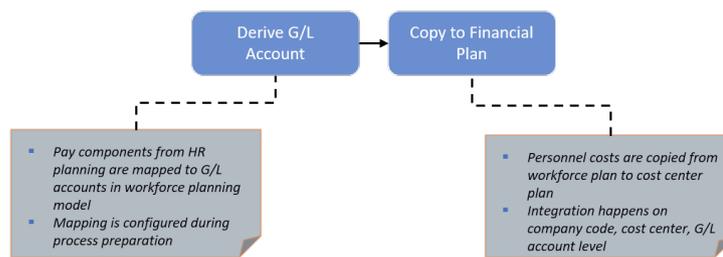
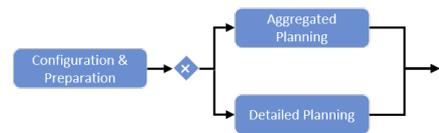


Planning Process

Planning Process – Overview



Planning Process – Transfer to Integrated Financial Planning



4.1.21 Human Resources – Headcount (SuccessFactors)

The content is available in two packages: English and Simplified Chinese. The Chinese package contains copies of the English artifacts that have been translated (screen elements and sample data). Both packages can be imported without any interference.

General

Overview on the most important of HR topics.

New with CI10: New headcount model and story based on an updated query from Employee Central. Comes with predefined connection and data import jobs to SAP SuccessFactors.

Headcount and Tenure

Headcount movement and average tenure analysis, succession management information and headcount distribution.

Diversity

Diversity overview: Gender diversity and woman in leadership, job classification and age distribution.

Salary and Performance

Assessment of current salary situation and performance distribution.

Employee Satisfaction

Assessment of employee survey results and Engagement Index (model upwards, not based on SAP data sources).

Data Connectivity

Based on SAP SuccessFactors.



4.1.22 Human Resources – Recruitment (SuccessFactors)

Here you can find the important highlights of the Line of Business Human Resources – Recruitment (SuccessFactors)

General

General assessment of recruiting activities of the company.

Key KPIs at a glance

Positions posted and job requisitions, number of applications, hires to date, position fulfillment ratio and application conversion rate, days to fill and days to start.

Requisition and Positions Overview

Insight into the job requisitions and positions over time, per country or department.

Recruitment Process Analysis

Breakdown of internal and external hires by country, gender or paygrade. Analysis of success of referrals and agency placements.

Talent Pipeline

Assess the talent pipeline in detail: Number of applications per department or paygrade part-time and fulltime position recruiting and lead times for staff or management positions.

Data Connectivity

Based on SAP SuccessFactors.



4.1.23 Human Resources Salary Planning

Here you can find the important highlights of the Line of Business Human Resources Salary Planning

Overview

Usually, companies design salary and benefit grids based on paygrades and location. And once a new employee has been hired, that person is assigned to a paygrade and a location, which automatically calculates the overall salary cost for this employee.

Costs per Paygrade and Location

The HR responsible first enters all costs (base salary, allowances, pension rates and bonus rates) for each grade and each location. These costs are entered on a yearly basis and yearly level, and will be taken into account once an employee has been assigned to a paygrade and a location.

Employee / FTE Assignment

Second step is to assign an employee to a location and a paygrade, using an FTE value (between 0.1 and 1) to also account for part-time contracts. Additionally, at this step, a salary adjustment input is possible on the employee level.

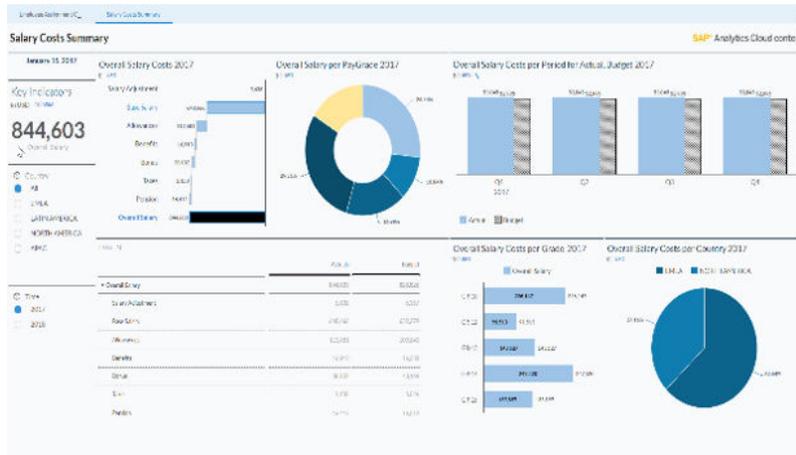
Overall Salary Calculation

Once an employee has been assigned to a paygrade and a location, the overall salary cost calculation can be viewed.

Dashboard

An overall salary cost dashboard gives a summary of the entire application.

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Base Salary	10000	10500	11000	11500	12000	12500	13000	13500	14000	14500	15000
Allowance	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Pension	500	500	500	500	500	500	500	500	500	500	500
Bonus	100	100	100	100	100	100	100	100	100	100	100
Total	11600	12100	12600	13100	13600	14100	14600	15100	15600	16100	16600



4.1.24 SAP Integrated Business Planning

Executive Summary

This content provides a high-level overview of the financial targets and shows relevant key performance indicators which can be used during the Sales and Operations planning (S&OP) process in the management business review. Actual revenues, gross profit, and consensus demand help executive management to determine if the S&OP plan aligns with the company's financial targets and also shows future trends.

Overview of Revenues

This content provides a detailed overview of revenue figures on different levels down to the product level, allowing you to better understand how revenue is allocated to different customer groups or product families, for example.

Overview of Quantities

This content provides insights on a quantitative basis on product family and product level to identify top contributors.

Data Connectivity

Loading master data and transactional data from SAP IBP to SAP Analytics Cloud using an OData service.

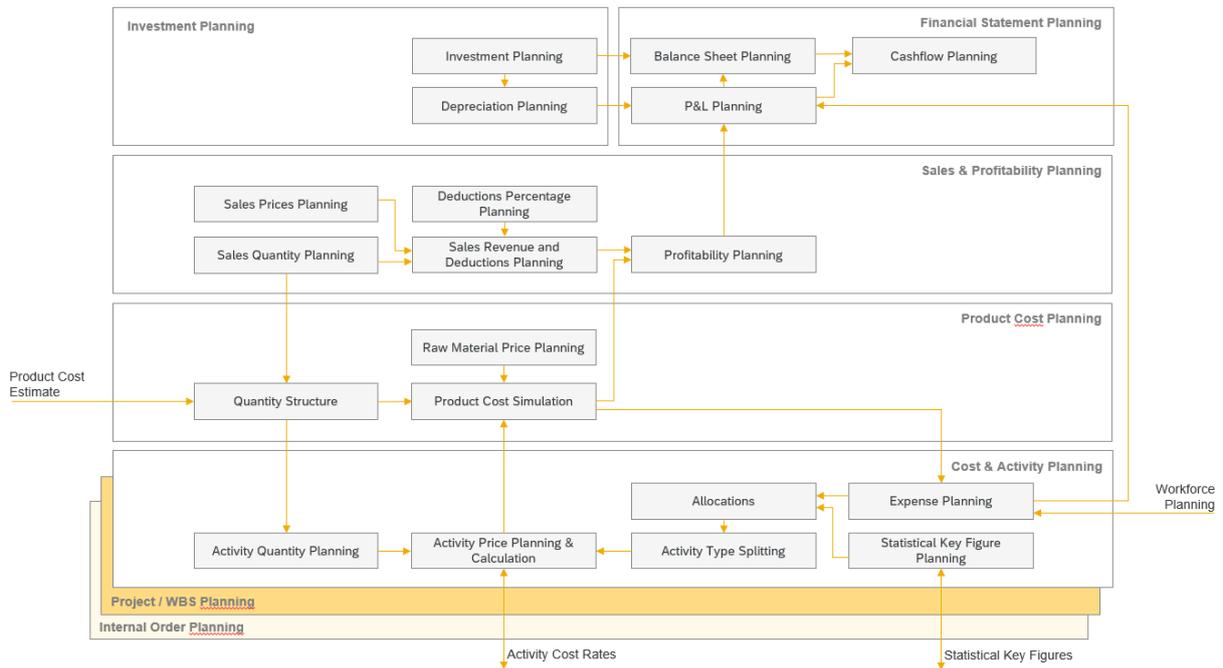


4.1.25 Integrated Financial Planning for SAP S/4HANA Cloud

Here you can find the important highlights of the Integrated Financial Planning for SAP S/4HANA for the current release.

Overview

Integrated Financial Planning for SAP S/4HANA supports the integrated financial planning process including cost center, product cost, sales & profitability, investment, P&L, balance sheet and cash flow planning. The different planning areas seamlessly play together, e.g. cost center planning provides the activity cost rates for product cost planning and product cost planning provides the product cost rates for the COGS calculation within profitability planning. In the end a complete plan P&L, balance sheet and cash flow statement are derived.



Landing Page

This content gives an overview of the financial planning scenarios of **Integrated Financial Planning for SAP S/4HANA** in SAP Analytics Cloud, such as cost center planning, product cost planning, and sales and profitability planning. There is also a section providing access to all administrative tasks. The Landing Page allows to jump directly to the respective planning stories and even dedicated pages, making it easier to navigate within planning.



Cost Center Planning

This content facilitates the complete cost center planning process including expense planning, allocations, activity quantity planning and activity price calculation. It also supports the planning administrator with powerful functions to prepopulate the planning screens based on past actual data. This process can be integrated with availability control functionality and budget consistency checks in SAP S/4HANA.

Analytics and Reporting stories provide you with KPIs and interactive overview charts and give you insights into the cost center plan data along the GL account hierarchy by activity type and partner information.

					Time	> 2021	
					Measure	Activity Quantity	Costs
Cost Center	Cost Center Activity Type	Unit	Partner Cost Center	Partner Cost Center Activity Type			
Back Office-(US)	Service Standard	H	Manufacturing 1 (US)	Machine hours 1	3.000,00	-\$30.000	
				Personnel Hours	3.000,00	-\$30.000	
			Manufacturing 2 (US)	Machine hours 1	3.000,00	-\$30.000	
				Personnel Hours	3.000,00	-\$30.000	

Product Cost Planning

This content facilitates the calculation of product cost rates based on an SAP S/4HANA cost estimate considering quantity structure, raw material price, activity cost rates, and overhead costs.

							Time	> 2021
Plant	Product	Component Plant	Material	Cost Center	Cost Center Activity Type	GL Account	Component Quantity	Unit
Plant 1 US	FIN129,MTS-DI,PD,QM	Unassigned	Unassigned	Manufacturing 1 (US)	Machine hours 1	COGS Machine Time	Hour	5,000
					Personnel Hours	COGS Personnel Time	Hour	5,000
				Manufacturing 2 (US)	Machine hours 1	COGS Machine Time	Hour	5,000
					Personnel Hours	COGS Personnel Time	Hour	5,000
Plant 1 US	RAW124,VB,Consumption,FixedBin	Unassigned	Unassigned	Unassigned	COGS Direct Material	Piece	200,000	
				Unassigned	COGS Direct Material	Piece	50,000	

Plant	Product	Component Plant	Material	Cost Center	Cost Center Activity Type	GiL Account	Lot Size Unit	Time	Total
Plant 1 US	FIN129,MTS-DI,PD,QM	Totals						> 2021	15,00
		Unassigned	Unassigned	Purch & Store 1 (US)	Unassigned	COGS Production Overhead	Piece	> Total	1,50
				Manufacturing 1 (US)	Machine hours 1	COGS Machine Time	Piece		1,50
					Personnel Hours	COGS Personnel Time	Piece		1,50
				Manufacturing 2 (US)	Machine hours 1	COGS Machine Time	Piece		3,00
					Personnel Hours	COGS Personnel Time	Piece		3,00
		Plant 1 US	RAW124,VB,Consumption,FixedBin	Unassigned	Unassigned	COGS Direct Material	Piece		4,00
			RAW20,PD	Unassigned	Unassigned	COGS Direct Material	Piece		0,50

Profitability Planning

This content facilitates the sales and revenue planning process including sales quantity and sales price planning, revenue, and deduction calculation. In combination with cost of goods sold that are derived from product cost planning you get a complete product profitability plan.

Analytics and Reporting stories provide you with KPIs and interactive overview charts and give you further insights.

Customer	Product	Quantity Unit	Measure	Time	> 2021	P01 (2021)	P02 (2021)	P03 (2021)	P04 (2021)	P05 (2021)	P06 (2021)	P07 (2021)	P08 (2021)	P09 (2021)
Customer109	FIN129,MTS-DI,PD,QM	Piece	Quantity		120.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
			Control											
			Control Parameter			6	6	6	6	6	6	1	1	1
			Account Specific Growth Rate		-	-	-	-	-	-	-	-	-	-
			Base Value		-	-	-	-	-	-	-	-	-	-

Product	GiL Account	Quantity Unit	Measure	Price
FERT 233, PD, Repetitive Manuf.	Revenue Domestic - Product	Piece		15,00
	Revenue Foreign - Product	Piece		15,00
FIN129,MTS-DI,PD,QM	Revenue Domestic - Product	Piece		20,00
	Revenue Foreign - Product	Piece		20,00

Financial Statement Planning

This content provides profit and loss planning with revenues, costs, and expenses including the allocation to trading partners and balance sheet planning with assets, liabilities, and owner's equity both with the possibility

to drill down on profit center and functional area. Cash Flow will be derived based on P&L and Balance Sheet. It also allows planning administrators to pre-populate planning screens based on past actual data.

Analytics and Reporting stories provide you with KPIs and interactive overview charts and give you insights into the financial statement data by functional area, profit center, and trading partner.

SAP Financial Statement Planning Plan Profit and Loss Statement SAP Analytics Cloud content

Copy P&L and Balance Sheet from Actuals | Apply Control Parameters to Profit and Loss | Copy Gross Margin from Profitability Plan | Copy Operating Expense from Cost Center Plan | Copy Investments & Deprecia... from Investment Plan | Split Profit and Loss by Trading Partner

in USD | 2 Filters | Hidden

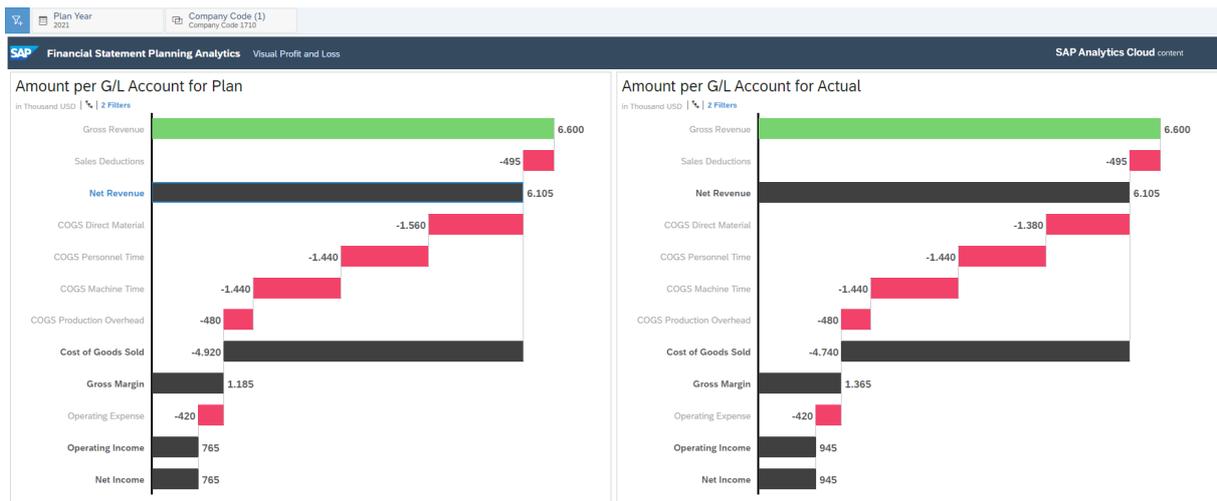
Version	Actual	Plan *	Time											
			> 2020	~ 2021	P01 (2021)	P02 (2021)	P03 (2021)	P04 (2021)	P05 (2021)	P06 (2021)	P07 (2021)	P08 (2021)	P09 (2021)	P10 (2021)
G/L Account														
Net Income	-945.000	-765.000	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750
Operating Income	-945.000	-765.000	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750	-63.750
Gross Margin	-1.365.000	-1.185.000	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750	-98.750
Net Revenue	6.105.000	6.105.000	508.750	508.750	508.750	508.750	508.750	508.750	508.750	508.750	508.750	508.750	508.750	508.750
Cost of Goods Sold	4.740.000	4.920.000	410.000	410.000	410.000	410.000	410.000	410.000	410.000	410.000	410.000	410.000	410.000	410.000
Operating Expense	420.000	420.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000

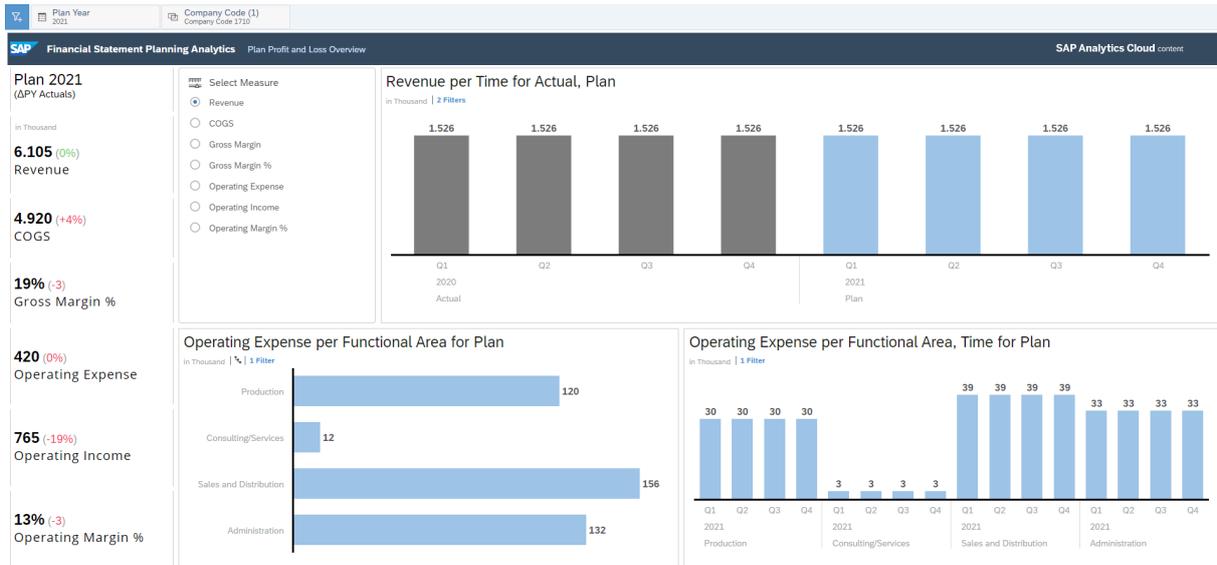
SAP Financial Statement Planning Plan Balance Sheet - Closing Amount SAP Analytics Cloud content

Calculate Balance Sheet

in USD | 3 Filters | Hidden

Version	Actual	Plan *	Time											
			> 2020	~ 2021	P01 (2021)	P02 (2021)	P03 (2021)	P04 (2021)	P05 (2021)	P06 (2021)	P07 (2021)	P08 (2021)	P09 (2021)	P10 (2021)
G/L Account														
Assets														
Opening Amount	660.000	686.400	686.400	688.600	690.800	693.000	695.200	697.400	699.600	701.800	704.000	706.200	708.400	710.600
Changing Amount	26.400	26.400	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Closing Amount	686.400	712.800	688.600	690.800	693.000	695.200	697.400	699.600	701.800	704.000	706.200	708.400	710.600	712.800
Current Assets														
Opening Amount	660.000	686.400	686.400	688.600	690.800	693.000	695.200	697.400	699.600	701.800	704.000	706.200	708.400	710.600
Changing Amount	26.400	26.400	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Closing Amount	686.400	712.800	688.600	690.800	693.000	695.200	697.400	699.600	701.800	704.000	706.200	708.400	710.600	712.800
Inventories														
Opening Amount	600.000	614.400	614.400	615.600	616.800	618.000	619.200	620.400	621.600	622.800	624.000	625.200	626.400	627.600
Changing Amount	14.400	14.400	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
Closing Amount	614.400	628.800	615.600	616.800	618.000	619.200	620.400	621.600	622.800	624.000	625.200	626.400	627.600	628.800





Investment Planning

Investment planning facilitates the planning of money a company wants to spend per profit center to buy, maintain, or improve fixed assets, such as buildings, vehicles, equipment, or land. It also allows to calculate the resulting depreciation plan amounts via straight-line or accelerated depreciation method. Results can be transferred into the financial statement model.

Company Code (1): Company Code 1710 | Profit Center (1): Bike Parts

SAP Investment Planning | Plan Investments | SAP Analytics Cloud content

Copy Investments from Actuals | Calculate Depreciation

in USD | 2 Filters

Time	2021	P01 (2021)	P02 (2021)	P03 (2021)	P04 (2021)	P05 (2021)	P06 (2021)	P07 (2021)	P08 (2021)	P09 (2021)	P10 (2021)	P11 (2021)	P12 (2021)
G/L Account													
Property Plant & Equipment (Gross)	310.000	-	100.000	-	200.000	-	-	-	10.000	-	-	-	-
Buildings	210.000	-	-	-	200.000	-	-	-	10.000	-	-	-	-
Machinery & Equipment	100.000	-	100.000	-	-	-	-	-	-	-	-	-	-
Depreciation	17.762	-	-	1.000	990	1.980	1.970	1.961	1.951	1.991	1.982	1.973	1.964
Depreciation Expense - Buildings	8.200	-	-	-	-	1.000	1.000	1.000	1.000	1.050	1.050	1.050	1.050
Depreciation Expense - Machinery & Equipment	9.562	-	-	1.000	990	980	970	961	951	941	932	923	914

Project Planning and Budgeting

This content enables the planner to capture project expense budgets and plans based on work breakdown structures (WBS elements). This process is integrated with availability control functionality and budget consistency checks in SAP S/4HANA.

Company Code (1) Company Code 110		WBS Element (1) (04)		SAP Analytics Cloud content											
SAP Project Planning & Budgeting		Plan Projects													
in USD 3 Filters		Time	2021	P01 (2021)	P02 (2021)	P03 (2021)	P04 (2021)	P05 (2021)	P06 (2021)	P07 (2021)	P08 (2021)	P09 (2021)	P10 (2021)	P11 (2021)	P12 (2021)
WBS Element	G/L Account														
▼ General Project all Sub-Projects	> Operating Expense	96.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
▼ Project Management	> Operating Expense	96.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
Coordination	▼ Operating Expense	96.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
	▼ Employee Expense	96.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
	> Payroll and Benefits	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	> Office Expense	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	> Travel Expense	96.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000

Internal Order Planning

Using this content for internal order planning you can enter costs that you expect to incur during the life cycle of an order. Using internal order planning, you can plan and compare your costs on G/L account basis.

Simulation Cockpit

The simulation cockpit for financial planning in SAP Analytics Cloud allows stakeholders in management or a central controlling department to perform what-if simulations for sample processes based on changes to drivers, such as sales quantity, raw material prices or personnel expenses.

As a controller, you may want to know the effect of changing the quantity of a sales product or the price of a raw material. After you have identified the driver you want to change and the corresponding simulation scenario, you can start the corresponding simulation. You are then guided step-by-step through the planning process. You can change the drivers, perform the corresponding data actions, and check the intermediate result in the reports. At the end of each simulation scenario, you can see the impact on the most important KPIs, for example, product profitability and your P&L statement.

Context: Company Code 1710 - 2021 - Plan, Plan Secured | Version Management | Financial Overview | Data Flow

Raw Material Price Simulation

Adjust raw material prices.

1. Adjust Raw Material Prices | 2. Product Costs | **3. Product Profitability** | 4. Profit & Loss

Profitability Calculate

P&L Overview in USD | 4 Filters | show KPIs

Product	Plant	G/L Account	Version	Plan *	Plan Secured
			Date	> 2021	> 2021
			Fix/Variable Code	> Total	> Total
FERT 233, PD, Re...	Plant 1 US	▼ Gross Margin		-471,000	-525,000
		▼ Net Revenue		-1,665,000	-1,665,000
		> Gross Revenue		-1,800,000	-1,800,000
		> Sales Deductions		135,000	135,000
		▼ Cost of Goods Sold		1,194,000	1,140,000
		COGS Direct Material		354,000	300,000
		COGS Personnel Time		360,000	360,000
		COGS Machine Time		360,000	360,000
		COGS Production Ov...		120,000	120,000
FIN129,MTS-DI,P...	Plant 1 US	▼ Gross Margin		-732,000	-840,000

SAP Analytics Cloud content

Data Connectivity

Integrated Financial Planning for SAP S/4HANA is based on the SAP S/4HANA data model in FI-CO and fully integrated with it. Master data and transaction data from SAP S/4HANA can be loaded and planning results can be written back into SAP S/4HANA. The complete integration is part of the content delivery and is available out of the box.

4.1.25.1 Add-on for Integrated Financial Planning for SAP S/4HANA

Here you can find the important highlights of the **Add-on for Integrated Financial Planning for SAP S/4HANA** for the current release.

Overview

This content package is an Add-On for the package *Integrated Financial Planning for SAP S/4HANA* and provides integration to other planning packages and SAP sources. Currently available are the integration to the

package *Workforce Planning for SAP S/4HANA Cloud* and the integration to SAP IBP (Integrated Business Planning). The Add-on package can be imported after both the Integrated Financial Planning for SAP S/4HANA content and the Workforce Planning for SAP S/4HANA content have been imported.

Workforce Planning Transfer to Cost Center Model

Workforce Planning for SAP S/4HANA content is integrated with both SAP SuccessFactors and SAP S/4HANA Cloud, allowing you to plan resources and calculate personnel expenses. These expenses can be transferred to the cost center planning model within Integrated Financial Planning for SAP S/4HANA content.

Workforce Plan data		Cost Center Plan data	
in USD 1 Filter 1 Filter		in USD 2 Filters	
Account	Time > 2021	G/L Account	Time > 2021
Employee Expense	7,034,679	Employee Expense	7,034,679
Payroll and Benefits	5,551,671	Payroll and Benefits	5,551,671
Payroll Salary & Wages	4,619,523	Payroll Salary & Wages	4,619,523
Payroll Expense - Salaries	4,619,523	Payroll Expense - Salaries	4,619,523
Payroll Benefits	251,412	Payroll Benefits	251,412
Payroll - Benefits	251,412	Payroll - Benefits	251,412
Payroll Bonus & Commissions	169,392	Payroll Bonus & Commissions	169,392
Payroll - Bonus	85,008	Payroll - Bonus	85,008
Sales Commissions	84,384	Sales Commissions	84,384
Payroll Overtime	170,448	Payroll Overtime	170,448
Payroll - Overtime Salaries	170,448	Payroll - Overtime Salaries	170,448

Data Connectivity

Integrated Financial Planning for SAP S/4HANA is connected to SAP S/4HANA whereas *Workforce Planning for SAP S/4HANA Cloud* is connected to SAP SuccessFactors.

IBP Consensus Demand Transfer to Sales and Profitability Model

During the monthly S&OP process in SAP IBP, the supply chain planners determine the quantity of the consensus demand plan. The financial planner imports the quantity of the consensus demand plan from SAP IBP to profitability planning within Integrated Financial Planning for SAP S/4HANA content. Based on the input received from SAP IBP, the net revenue and the costs of goods sold are calculated in SAP Analytics Cloud. These values can be transferred back to SAP IBP for further review.

Plan Year		Plant (1)	
2023		Plant 1 US	
SAP IBP Integration Copy Demand from IBP			
SAP Analytics Cloud content			
Copy Quantities from IBP			

IBP Quantity				
1 Filter Hidden				
Plant	Product	Customer	Quantity ...	Time > 2023
Plant 1 US	FG129	17100002	Piece	120,000
		17100003	Piece	120,000
	FG126	17100002	Piece	60,000
		17100003	Piece	60,000

Profitability Quantity							
2 Filters Hidden							
Plant	Product	Customer	Company Code	Profit Center	Quantity Unit	G/L Account	Time > 2023
Plant 1 US	FG129	17100002	1710	YB110	Piece	41000000	120,000
		17100003	1710	YB110	Piece	41000000	120,000
	FG126	17100002	1710	YB111	Piece	41000000	60,000
		17100003	1710	YB111	Piece	41000000	60,000

Data Connectivity

Integrated Financial Planning for SAP S/4HANA is connected to both SAP S/4HANA and SAP IBP.

4.1.26 Predictive Asset Insights

Here you can find the important highlights of the Line of Business Predictive Asset Insights.

Predictive Asset Insights

The SAP Predictive Asset Insights stories are supposed to illustrate what their data could look like in SAC stories. One of the stories (...Fleet) is intended to be shown in the PAI Analytics Dashboards application. The other story (...Equipment) is intended to be shown on the PAI equipment object page. There are no sample stories for the other three PAI applications where SAC can be displayed, Models, Locations, Spare Parts.

Fleet Dashboard

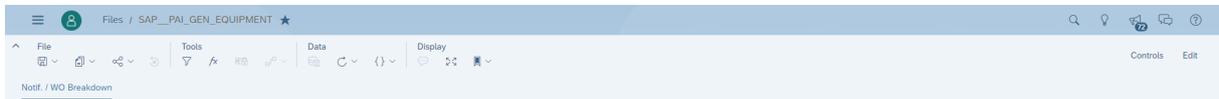
You can view how many objects of some of the seven supported data types (equipment, indicators, models, locations, spare parts, notifications, work orders) you have. You can further show these broken down by a dimension which you can select. For illustrative purposes this also shows a list of indicators.

Equipment Dashboard

You can view how many notifications and work orders you have for this equipment, and how they are broken down by some dimensions.

Data Connectivity

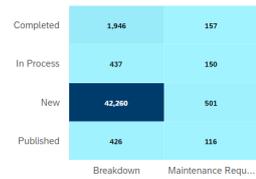
Based on OData connection.



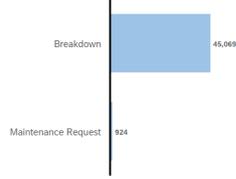
SAP Analytics Cloud content

45,993
Count of Notifications

Notification Count per Type and Status



Count of Notifications per Type for Actual

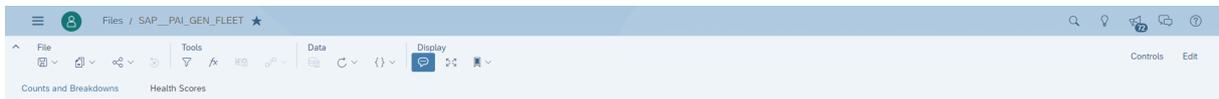


578
Count of Work Orders

Work Order Count per Type and Status



Count of Work Orders per Status for Actual



SAP Analytics Cloud content

Key Indicators

2,118
Count of Equipment

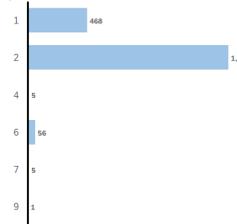
151
Count of Models

4,646
Count of Locations

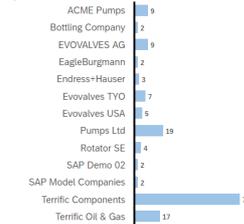
45,993
Count of Notifications

578
Count of Work Orders

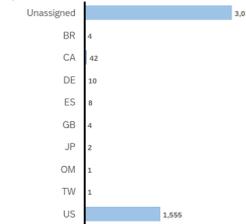
Count of Equipment per Life Cycle



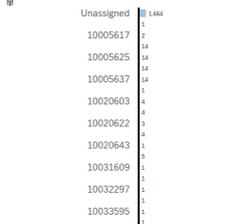
Count of Models per Manufacturer



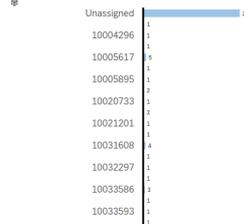
Count of Locations per Country for



Count of Notifications per Equipment ID



Count of Work Orders per Equipment ID



SAP Analytics Cloud content

SAP_PA1_GEN_IM_Indicators

Equipment ID	Indicator Group ID	Indicator ID	Value	Account	default_measure
		Machine_Cooldown	Unassigned		0.00
		Machine_Running	Unassigned		0.00
		Machine_Startup	Unassigned		0.00
		Power_Consumption	Unassigned		0.00
		Shaft_Speed	Unassigned		0.00
		Target_Throughput	Unassigned		0.00
					0.00
	Additional_Telemetry_Data	Vibration	Unassigned		0.00
	CC_Scores	Automated Anomaly Score	Unassigned		0.00
01-LC-50001-01	CC_Scores2	Custom_Algorithm_Anomaly_S	Unassigned		0.00
		Connection_Status	Unassigned		0.00
		HEALTH_SCORE	Unassigned		0.00
		RISK	Unassigned		0.00
	GlobalIndicators	RPN	Unassigned		0.00
		Health	Unassigned		0.00
		Normalised_score	Unassigned		0.00
					0.00
		Normalised_score	Unassigned		0.00
	PCA_Scores	Score	Unassigned		0.00
		Bearing_Temperature	Unassigned		0.00
		Inflow_Temperature	Unassigned		0.00
016-Tires-Equipment	Rotating_Equipment_Measurements	Oil_Level	Unassigned		0.00
		Connection_Status	Unassigned		0.00
		HEALTH_SCORE	Unassigned		0.00
		RISK	Unassigned		0.00
	GlobalIndicators	RPN	Unassigned		0.00
					0.00
		Normalised_score	Unassigned		0.00
	MAR_Scores	Score	Unassigned		0.00
		Normalised_score	Unassigned		0.00
	PCA_Scores	Score	Unassigned		0.00
		Bearing_Temperature	Unassigned		0.00
		Inflow_Temperature	Unassigned		0.00
017-Tires-CPS 123	Rotating_Equipment_Measurements	Oil_Level	Unassigned		0.00
		Connection_Status	2		0.00

4.1.27 Liquidity Planning for SAP S/4HANA Cloud (SAP Best Practices)

Liquidity Item Planning

SAP Liquidity Planning for SAP S/4HANA Cloud enables planners to complete a Liquidity Item plan, including calculated closing balances, in SAP Analytics Cloud based on information sources from SAP S/4HANA Cloud.

Accelerators include: planning input templates, planning calculations, and a planning process flow.

Liquidity Item Analysis by Version

SAP Liquidity Planning for SAP S/4HANA Cloud enables analysts or planners to analyze trends and variances between versions such as Plan, Forecast, and Actuals in SAP Analytics Cloud.

Integration between SAP Analytics Cloud and SAP S/4HANA Cloud

SAP delivers Best Practices methodologies to integrate Cash & Liquidity Management from SAP S/4HANA Cloud into SAP Analytics Cloud.

Best Practices methodology establishes SAP S/4HANA Cloud as the primary source of master data and transaction data. (Best Practice Analytics scope item 3L5).

LIQUIDITY PLANNING Report

Company Code: Company Code 1010 / Currency: (All) / Version: LY Actual

CURRENCY	COMPANY CODE	LIQUIDITY ITEM	VERSION	TIME											
				Apr (2018) LY Actual	May (2018) LY Actual	Jun (2018) LY Actual	Jul (2018) LY Actual	Aug (2018) LY Actual	Sep (2018) LY Actual	Oct (2018) LY Actual	Nov (2018) LY Actual	Dec (2018) LY Actual			
EUR	1010	Opening		65,254	61,110	64,250	6203	631,500	640,407	-	663,976	-	-	-	-
		Cash received from sales of goods or rendering of services		-	-	-	-	-	-	4775,586	4863,145	4885,802	-	-	-
		Refund of tax and fee received		-	-	-	-	-	-	650	4735	4772	-	-	-
		Other cash received related to operating activities		-	-	-	-	-	-	631,736	617,310	618,175	-	-	-
		Cash paid to suppliers for goods and services		-	-	-	-	-	-	40,592	47,281	47,720	-	-	-
		Cash paid to employees or on behalf of employees		-	-	-	-	-	-	47,778	48,556	48,584	-	-	-
		Tax and fee paid		-	-	-	-	-	-	42,400	42,640	42,772	-	-	-
		Other cash paid related to operating activities		-	-	-	-	-	-	4376	4534	4665	-	-	-
		Cash received from disposing fixed assets, intangible assets		-	-	-	-	-	-	1302,430	1112,673	1118,107	-	-	-
		Other cash received related to investing activities		-	-	-	-	-	-	474,616	480,270	486,181	-	-	-
		Cash paid for buying fixed, intangible assets and others		-	-	-	-	-	-	43,367	43,886	43,580	-	-	-
		Other cash paid related to investing activities		-	-	-	-	-	-	47,107	47,811	48,208	-	-	-

LIQUIDITY PLANNING INPUT

Company Code: Company Code 1010 / Currency: (All)



CURRENCY	COMPANY CODE	LIQUIDITY ITEM	VERSION	TIME		
				Nov (2018) Forecast	Nov (2018) LY Actual	Nov (2018) Plan
EUR	1010	Opening		663,976	663,976	-
		Cash received from sales of goods or rendering of services		676,700	4863,145	-
		Refund of tax and fee received		4935	4735	-
		Other cash received related to operating activities		49,688	417,310	-
		Cash paid to suppliers for goods and services		46,365	47,361	-
		Cash paid to employees or on behalf of employees		41,000	48,556	-
		Tax and fee paid		43,000	42,640	-
		Other cash paid related to operating activities		4723	4534	-
		Cash received from disposing fixed assets, intangible assets		490,535	4112,673	-
		Other cash received related to investing activities		490,270	480,270	-
		Cash paid for buying fixed, intangible assets and others		111,284	49,886	-
		Other cash paid related to investing activities		48,884	47,811	-
		Cash received from borrowings		48,536,654	48,418,238	-
		Other cash received related to financing activities		-	-	-
		Cash paid for debt		-	-	-
		Other cash paid related to financing activities		-	-	-
		Closing		49,719,703	48,497,096	-

4.1.28 Outcome-Based Business Insights

Overview

Outcome-Based Business Insights helps customers transition their profitably to higher-margin solutions and outcome-based models by offering profitability monitoring and visibility of KPIs/SLAs along the life-cycle of the contract.

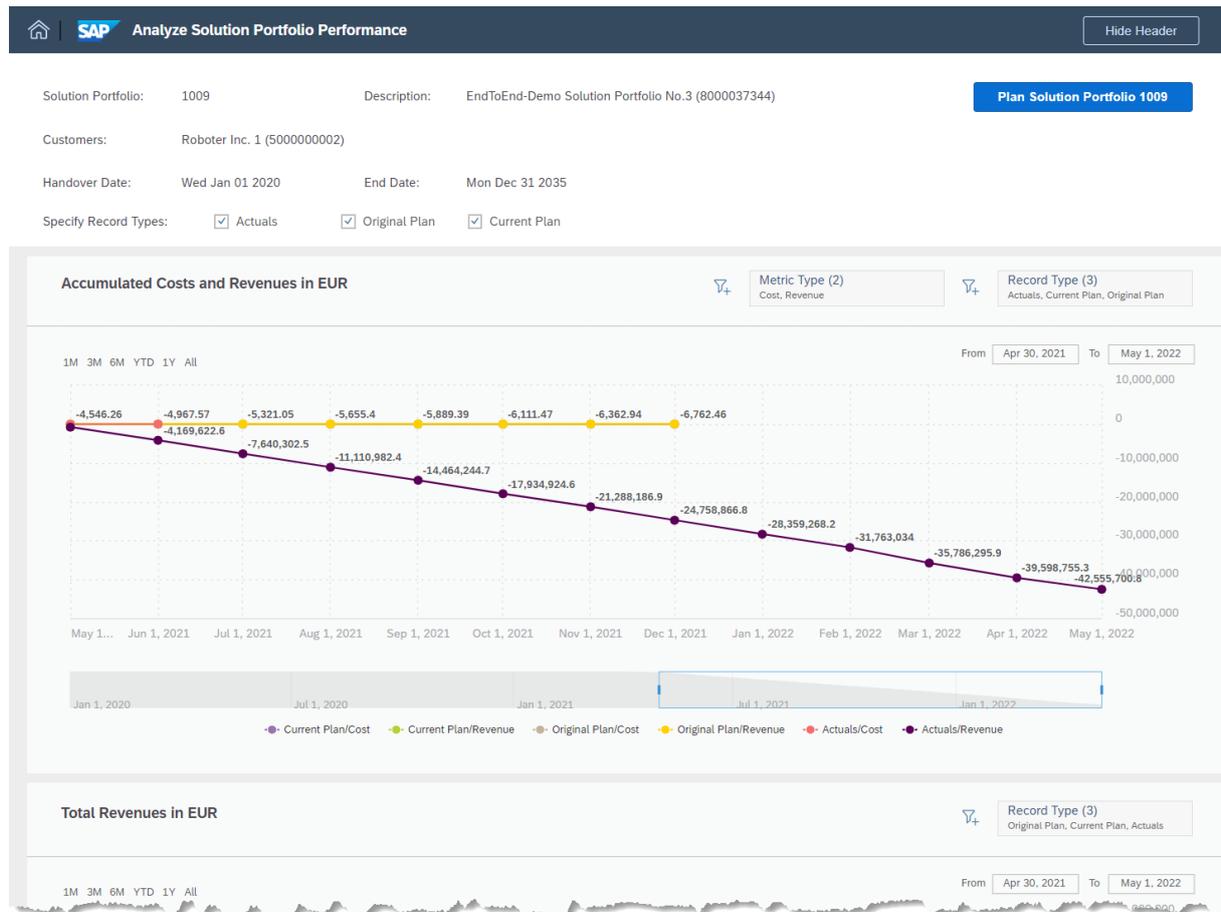
Business Context

In an outcome-based business, customers pay for the agreed or contracted usage of or outcome from the equipment instead of purchasing or leasing the equipment upfront. An outcome-based contract between the equipment manufacturer and its customer, allows manufacturers to transfer a CAPEX into an OPEX for the customers and also transfers responsibility of owning and maintaining the equipment to the manufacturer.

Market demand

The traditional equipment sales business of industrial manufacturers is threatened by high competitive pressures and demand from customers to move from CAPEX to OPEX. Additionally, the current pandemic is forcing the industrial manufacturing customers away from upfront purchase of equipment towards paying for the usage or outcome only. In this context, Outcome-based business models aka Outcome Business Economy (OBB) offer a transition path for equipment buyers and in addition promises higher revenues and margins as well as competitive differentiation for the equipment manufacturers.

Data Connectivity: Based on Solution Portfolio Management with Planning on BTP platform and S/4HANA OnPremise - Finance



SAP My Solution Portfolios

Highest Planned Costs: Solution Portfolio 1014 **EUR -7,880** Lowest Planned Costs: Solution Portfolio 1013 **EUR -3,500**

Solution Portfolios						Measures	Original Planned Costs
Solution Portfolio	Description	Handover Date	End Date	Customers	Global Currency		
1001	Demo Solution Portfolio No.1	Jan 1, 2018	Dec 31, 2023	Company One (12403), Robot Inc. (12344), SOM-TestCorp SPETHF (9216)	EUR		-6,998
1002	Demo Solution Portfolio No.2	May 1, 2022	Sep 30, 2022	Robot Inc. (12344), SOM-TestCorp SPETHF (9216), SomAccOrg20200202013821 SPETHF (9651)	EUR		-4,279
1003	Demo Solution Portfolio No.3	Jan 1, 2010	Jun 30, 2030	Company One (12403), Robot Inc. (12344), SOM test API BP (01 15-Jul) (4103), SomAccOrg20200202013821 SPETHF (9651)	EUR		-4,241
1004	Demo Solution Portfolio No.4	Jan 1, 2020	Dec 31, 2030	Company One (12403), Robot Inc. (12344), SomAccOrg20200202013821 SPETHF (9651)	EUR		-4,239
1005	Demo Solution Portfolio No.5	May 1, 2018	Sep 30, 2023	Company One (12403), SOM-TestCorp SPETHF (9216)	EUR		-4,734
1006	Demo Solution Portfolio No.6	May 5, 2012	Sep 15, 2023	Company One (12403), Robot Inc. (12344), Roboter Inc. 1 (5000000002), SOM test API BP (01 15-Jul) (4103), SomAccOrg20200202013821 SPETHF (9651)	EUR		-4,438
1007	EndToEnd-Demo Solution Portfolio No.1	Jan 1, 2020	Dec 31, 2030	Company One (12403), Roboter Inc. 1 (9000000002)	EUR		-4,153
1008	EndToEnd-Demo Solution Portfolio No.2 (8000037248)	Jan 1, 2020	Dec 31, 2030	Company One (12403)	EUR		-4,596
1009	EndToEnd-Demo Solution Portfolio No.3 (8000037344)	Jan 1, 2020	Dec 31, 2030	Roboter Inc. 1 (5000000002)	EUR		-4,826
1010	EndToEnd-Demo Solution Portfolio No.4	Jan 1, 2020	Dec 31, 2030	Roboter Inc. 1 (5000000002)	EUR		-4,323
1011	EndToEnd-Demo Solution Portfolio No.5 (8000037448)	Jan 1, 2020	Dec 31, 2030	Roboter Inc. 1 (5000000002)	EUR		-6,601
1012	EndToEnd-Demo Solution Portfolio No.6 (8000037447)	Jan 1, 2020	Dec 31, 2030	Roboter Inc. 1 (5000000002)	EUR		-5,096
1013	EndToEnd-Demo Solution Portfolio No.7 (8000037400)	Jan 1, 2020	Dec 31, 2030	Roboter Inc. 1 (5000000002)	EUR		-3,500

4.1.29 Portfolio and Project Management

Budget & Costs

Assess budget, planned and actual costs for every project.

Identify deviations of costs vs budget for each project and analyze root cause in the waterfall diagram of the context screen.

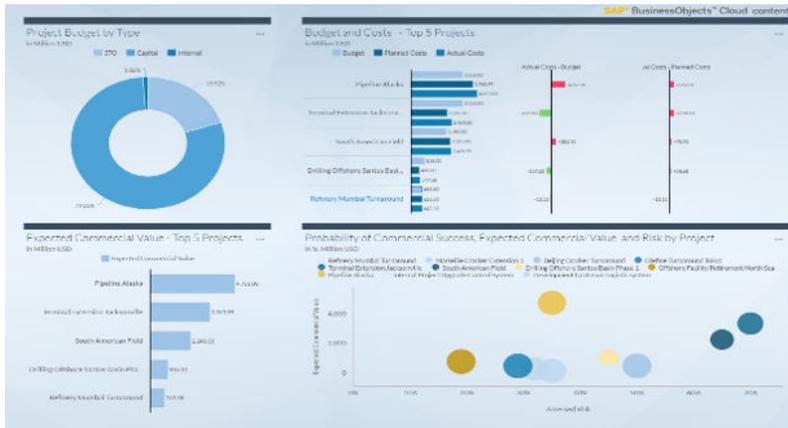
Project Success and Expected Commercial Value

Assess the Expected Commercial Value of each project.

Analyze the Expected Commercial Value, the Probability of Success and the corresponding risk of each project and visualize the KPIs in the corresponding Geo-Map.

Data Connectivity

Query views based on SAP Business Warehouse.



4.1.30 Procurement

Procurement Overview

Get an overview of your spend and sourcing in Ariba Spend Management & Ariba Buyer Network and analyze the year-to-date trends of spend and sourcing.

Spends

Spend Visibility Overview with detailed analytics capabilities on Purchase Orders (PO) and Invoices: Monitor contract, off contract and non-managed spends. Get on top of your PO situation by analyzing the time trend, supplier relationships and the spend patterns of your organization. Optimize payments by tracking invoices. Benefit from rich ad-hoc reporting capabilities.

Sourcing

Analyse spends and suppliers awarded for all Event types. Use multiple pre-defined drill-downs to control your sourcing activities.

Contracts

Look at spend capacity and validity of Contracts as a basis for renewal decisions or renegotiations.

Buyer Network

Receive all information on routing, origin and status of invoices in the Ariba Buyer Network – by amount or number of invoices, by supplier or over time.

Data Connectivity

Excel based upload from SAP Ariba Spend Management & SAP Ariba Buyer Network.



4.1.31 Product Cost Planning

Overview

Allows controllers to plan and simulate product costs based on several drivers. Planners can use several drivers like sales volume, commodity price changes or changes in the bill-of-material to simulate the impact on the product costs and profitability of the whole portfolio.

Driver correlations

Model the dependencies between certain raw material drivers like commodities and raw material groups. The correlations can be flexibly adapted.

Sales volumes and sales prices

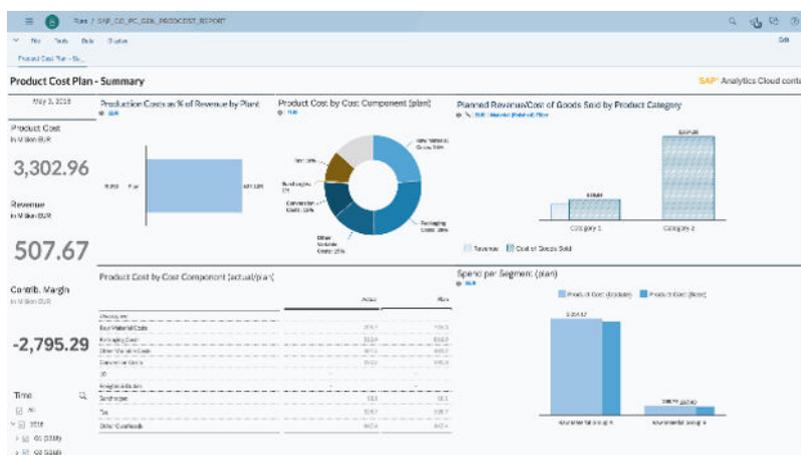
Change sales volume and prices for a specific finished good or a whole product category. See the direct impact on the contribution margin.

Change quantity assignments of raw materials

Simulate changes in the bill-of-material for certain products and see the impact on the overall spend for certain raw materials.

Analyze the impact in various dimensions

The impact of driver changes can be analyzed in various directions, e.g. what's the impact of a commodity change on the procurement budget for certain raw material groups. See the impact broken down by individual cost components and start optimizing your supply chain.



The screenshot displays the SAP Product Cost Planning & Simulation interface. The main table shows a cost statement with the following structure:

Cost Element	Cost Driver	Description	Cost Elements			
			CE1	CE2	CE3	CE4
CE1	Material Cost	Material Cost	10.00	10.00		
CE2	Material Cost	Material Cost		10.00		
CE3	Material Cost	Material Cost			10.00	
CE4	Material Cost	Material Cost				10.00
CE1	Material Cost	Material Cost	10.00	10.00		
CE2	Material Cost	Material Cost		10.00		
CE3	Material Cost	Material Cost			10.00	
CE4	Material Cost	Material Cost				10.00

4.1.32 Project Budgeting & Planning for SAP S/4HANA Cloud

Overview

Best Practices for Project Budgeting & Planning for SAP S/4HANA Cloud using SAP Analytics Cloud

Capture project expense budgets and plans in the cloud

SAP Project Budgeting and Planning for SAP S/4HANA Cloud enables planners to capture expense plans in the friendly, flexible, cloud-based user interface of SAP Analytics Cloud.

Leverage the best of SAP S/4HANA Cloud and SAP Analytics Cloud in the project budgeting/planning scenario

SAP customers can maintain Work breakdown structures (WBS) in SAP S/4HANA Cloud but use SAP Analytics Cloud to capture the project/budget expense projections. The same projections can be monitored in SAP S/4HANA Cloud system and take advantage of robust project expense management features.

Integration between SAP Analytics Cloud and SAP S/4HANA Cloud

SAP delivers best practice methodologies to leverage master data structures from SAP S/4HANA Cloud in SAP Analytics Cloud, plus retract Plan data back into SAP S/4HANA Cloud. Best Practice methodology establishes SAP S/4HANA Cloud as the primary source of master data and financial structures.

Proj Budget Form Input													
		VERSION		WBS Elem									
		TIME		PO1 (2018)	PO2 (2018)	PO3 (2018)	PO4 (2018)	PO5 (2018)	PO6 (2018)	PO7 (2018)	PO8 (2018)	PO9 (2018)	PO10 (2018)
WBS ELEMENT	GL ACCOUNT												
1	Project Budget Formulation Input												
2													
3													
4	WBS ELEMENT												
5	General Project all Sub-Projects												
6	Project Management												
7	Coordination												
8	Monitoring												
9	Reporting												
10	Planning												
11	Object Part I												
12	Set up Project Plan & Team												
13	Specification												
14	Quality and Detail Planning												

Stories > SAP_PRJ_GEN_PROJBUDFORM_INPUT*

File Tools Data

Company Code (1) WBS Element (1)

Company Code 1710 General Project all Sub-Projects

Proj Budget Formulation

		VERSION		Budget *	
		TIME		2018	Q1 (2018) Q2
1	Project Budget Formulation Input				
2	In EUR				
3					
4	WBS ELEMENT				
5	General Project all Sub-Projects			3,362	818
6	Project Management			640	160
7	Coordination			200	50
8	Monitoring			120	30
9	Reporting			320	80
10	Planning			2,722	658
11	Object Part I			572	120
12	Set up Project Plan & Team			572	120
13	Specification			-	-
14	Quality and Detail Planning			-	-

4.1.33 Project Staff Planning

Overview

Allow project managers to assign employees to projects and add both external and internal costs. Provide Org managers the ability to monitor and track project cost across the whole organization.

Project assignments

Assign working days of individual employees to projects. Calculate labour costs by maintaining cost rates for resources.

Manage external and internal projects costs

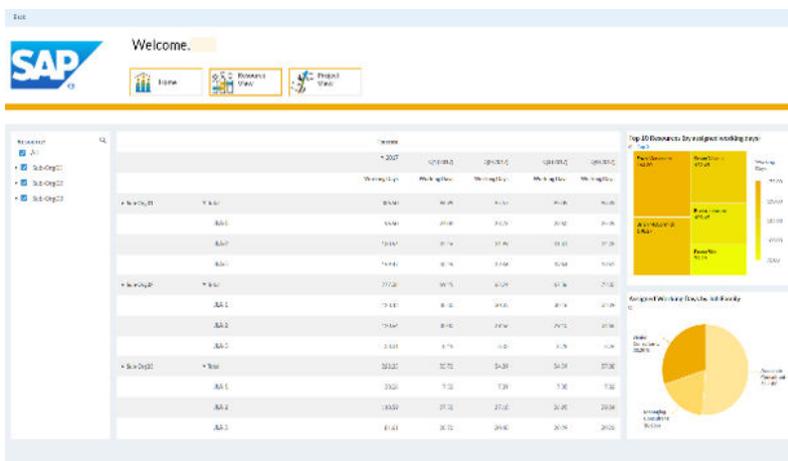
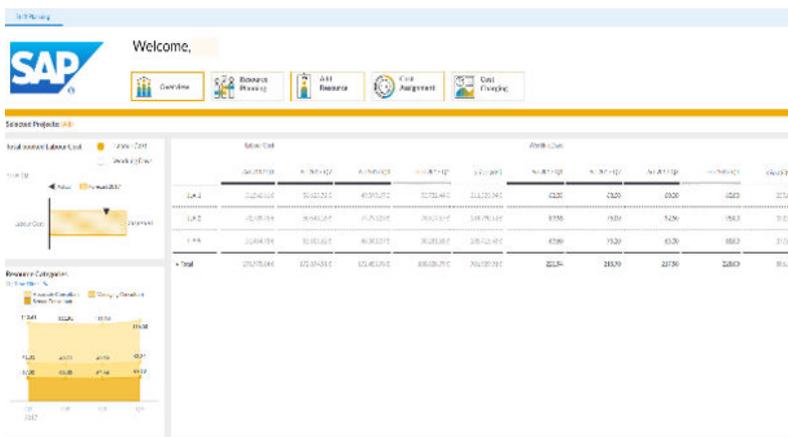
Assign non-labour related projects costs and keep track of internal and external expenses.

Allocate non-project related overhead

Allocate non-project related overhead costs to projects based on a set of drivers (man-days, labour costs, etc.).

Manager cockpit

As an organizational manager monitor projects from different perspective. Keep track of employee assignments, proper project staffing and other project costs. Ensure that projects will stay in budget.



4.1.34 Qualtrics Customer Satisfaction Score

Customer Satisfaction (CSAT) helps you to understand the relationship your customers have with your brand or product. The Qualtrics survey for CSAT focuses on understanding customers' experiences at key moments in the customer journey.

Overview

Get a total overview of your CSAT survey for selected products, be it trend of your survey responses and CSAT, geographical and demographic results, likelihood of purchase, willingness to recommend and understanding of negative comments.

Attributes

Get into the details of all attributes addressed in your survey to analyse the satisfaction level and importance given to them by your survey respondents.

Details

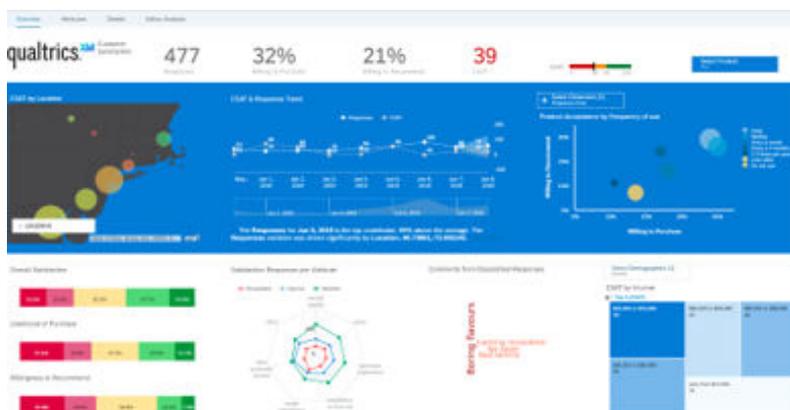
Get further insights into your survey results by analyzing customer service engagement and all details on demographic responses.

Ad-hoc Analysis

Freely analyze the responses based on measures and dimensions of your choice.

Data Connectivity

Qualtrics connector used to get survey results for a project based on [XM Solution Automated Project CSAT](#) .





4.1.35 Receivable Management Cloud Content with SAP Analytics Cloud (SAP Best Practices)

Overview

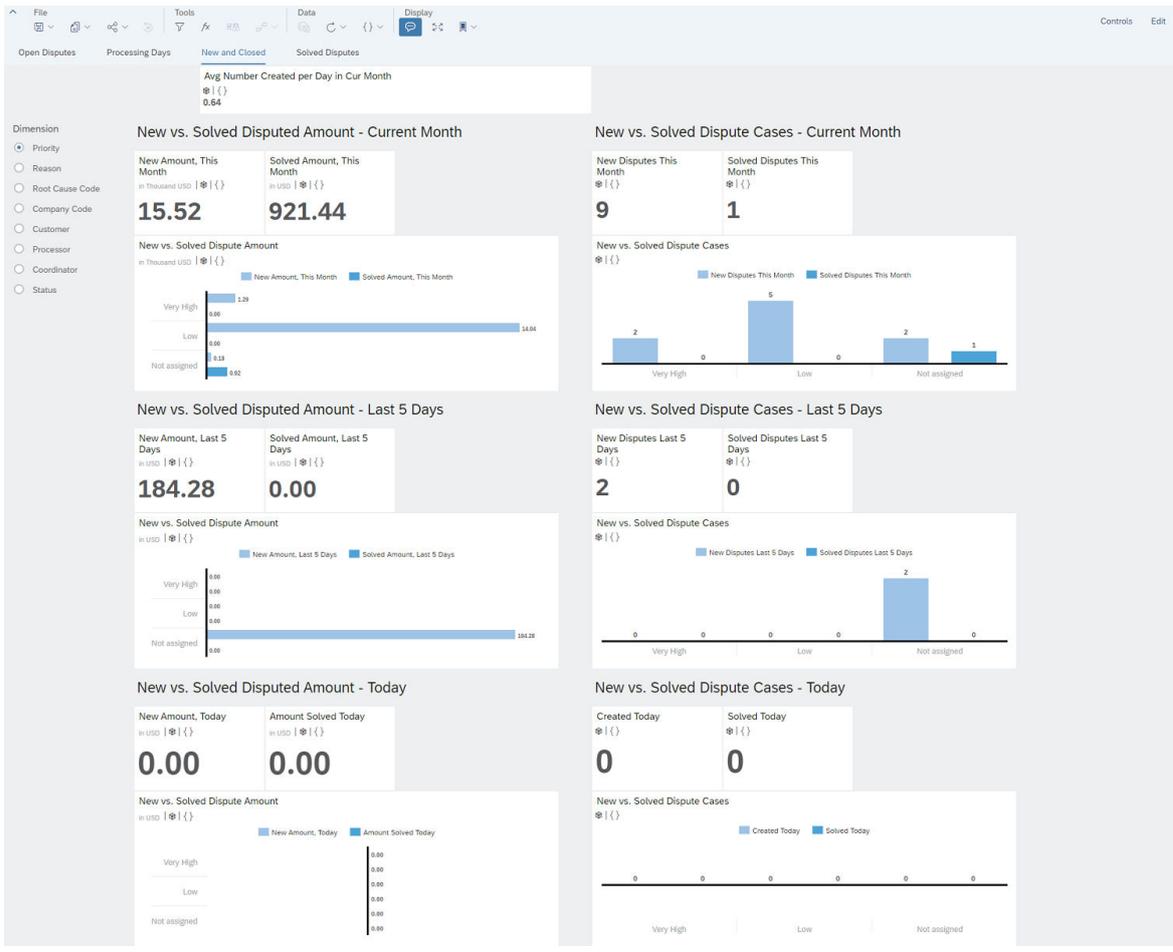
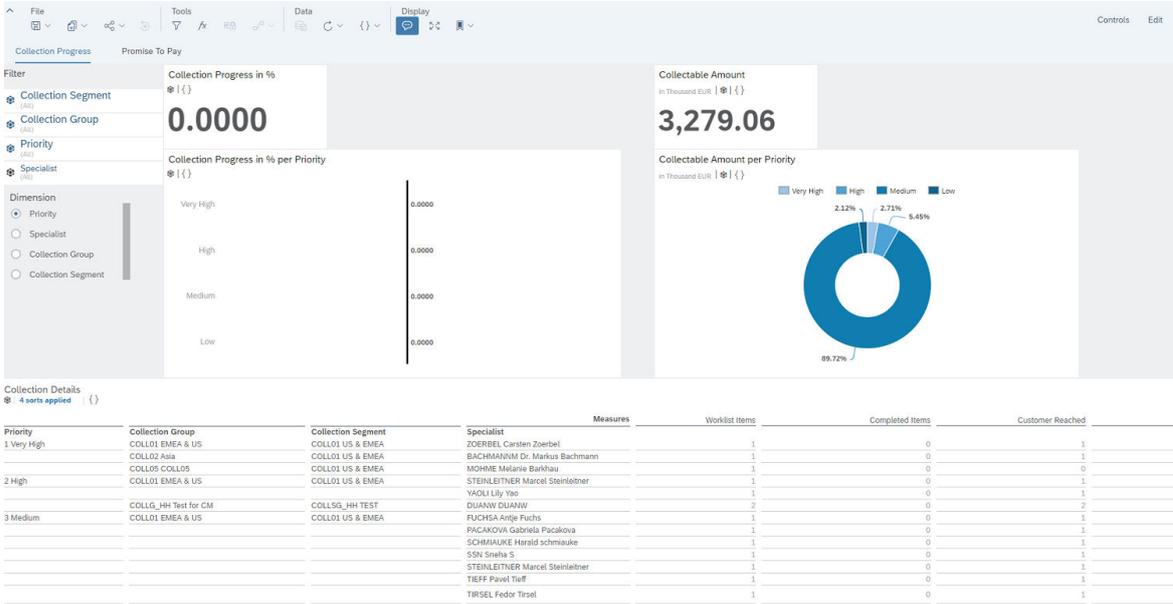
This scope item provides pre-built analytical dashboards that helps the executive and senior management to monitor key drivers and trends in the receivable management process.

Value Proposition

- SAP Analytics Cloud provides a comprehensive tool for strategic live-data analysis in receivable management. A highly integrated solution that increases efficiency, eliminates data silos, and makes digital access simple, secure, and scalable.

Capabilities

- For Dispute Management, you can analyze, for example, which customers have raised the maximum quantity of disputes and for what reasons? How long does it take to process them?
- For Collections Management, you can see how many customers were contacted by your collection specialists and what is the processing status of the collection worklists.
- For Credit Management, you can analyze your customer credit exposure with regard to the credit limit utilization, risk classes, countries among others.



4.1.36 Sales Planning for SAP S/4HANA Cloud

Best Practice Analytics Scope Item [4DP](#) .

Overview

Best Practices for Sales Planning for SAP S/4HANA Cloud using SAP Analytics Cloud

Sales Planning made easy for sales managers in the field

SAP Sales Planning for SAP S/4HANA Cloud enables Planners to dive into customer and product sales analysis as a preparatory step to the sales planning process. After reviewing Actual results, sales planners leverage a pre-populated set of sales drivers, where the planner can modify assumptions and complete the sales plan.

Plan Price, Cogs (multi-currency), and Quantity (multi-unit of measure)

SAP Sales Planning for SAP S/4HANA Cloud allows planners and analysts to understand the product and customer mix at aggregate levels, simplifying internal and external communications around results. The solution enables planners to plan in local currency and review results in a global currency. Planners can plan quantity in a base unit of measure and review results in a standard unit of measure. Relevant KPI's are displayed in a base and standard unit of measure, in either local or global currency.

Trend Analysis, Variance Analysis, and Year-over-Year Analysis

SAP Sales Planning for SAP S/4HANA Cloud enables analysts or planners to analyze trends, variances, and growth rates for both Actuals and Plan in SAP Analytics Cloud. Accelerators mirror the content in Financial Planning for SAP S/4HANA Cloud (Best Practice Analytics scope item 2EB) and Workforce Planning for SAP S/4HANA Cloud (Best Practice Analytics scope item 3DJ), providing a common user experience.

Integration between SAP Analytics Cloud and SAP S/4HANA Cloud

SAP delivers best practice methodologies to integrate sales results from SAP S/4HANA Cloud into SAP Analytics Cloud. Best Practice methodology establishes SAP S/4HANA Cloud as the primary source of master data and sales data. The solution can support extracting data from multiple sources.



Product	Customer	Sales Account	Version	Actual		Plan	
			Date	Aug (2019)	Dec (2019)	Jan (2020)	Feb (2020)
Road Bike	ACME Bike ...	Volume PC		83 pc	83 pc	83 pc	83 pc
		▼ Gross Margin per PC		231 \$/pc	231 \$/pc	231 \$/pc	231 \$/pc
		▼ Net Revenue per PC		491 \$/pc	491 \$/pc	491 \$/pc	491 \$/pc
		Gross Revenue per PC		577 \$/pc	577 \$/pc	577 \$/pc	577 \$/pc
		Sales Deductions per PC		87 \$/pc	87 \$/pc	87 \$/pc	87 \$/pc
		COGS per PC		259.79 \$/pc	259.79 \$/pc	259.79 \$/pc	259.79 \$/pc
Bike Wareho...		Volume PC		67 pc	67 pc	67 pc	67 pc
		▼ Gross Margin per PC		246 \$/pc	246 \$/pc	246 \$/pc	246 \$/pc
		▼ Net Revenue per PC		448 \$/pc	448 \$/pc	448 \$/pc	448 \$/pc
		Gross Revenue per PC		448 \$/pc	448 \$/pc	448 \$/pc	448 \$/pc
		Sales Deductions per PC		--	--	--	--
		COGS per PC		201.49 \$/pc	201.49 \$/pc	201.49 \$/pc	201.49 \$/pc

4.1.37 SAP Ariba: Enterprise Analytics for Procurement

The Ariba Procurement Analytics Story for SAP Analytics Cloud and SAP Data Warehouse Cloud is one integrated solution that provides analytics based on SAP Ariba data. The package covers 4 areas to reduce procurement spend:

Compliance

Measures contract and purchase order compliance by showing the resulting compliance benefits of using Ariba or cost of not using Ariba effectively. Users can investigate by dimensions such as suppliers, purchasing groups and cost centers to determine if best practices are being used as expected.

Process Efficiency

Measures an organization's invoice processing efficiency, either through automation or the use of procurement FTEs to determine invoice exceptions encountered when reconciling invoices. Exceptions monitoring for

invoices ensure proper compliance on agreements with suppliers for items such as order quantity, quantity received and pricing terms.

Sourcing Savings

Measures the savings captured from Ariba savings forms for materials procured via established contracts. This allows for deeper analysis on when savings do not match negotiated savings by dimensions such as commodity, cost center and supplier.

Working Capital

Measures KPIs to maximize working capital by showing when established supplier terms are followed and maximized. Also shows when early payment discounts negotiated with suppliers are achieved through efficient invoice processing.

Data Connectivity

Based on a SAP Data Warehouse Cloud live connection (Connected to Ariba through a data integration partner.)





4.1.38 SAP Ariba: Spend Analysis

The SAP Ariba Spend Analysis package for SAP Data Warehouse Cloud and SAP Analytics Cloud provides a visualization extension of SAP Ariba Spend Analysis data. This package is aimed towards sourcing managers, category managers, and procurement business analysts to inform decision making within procurement spending.

General Overview

Provides a general overview of the company's current spend. It displays how the spend is distributed among different factors and trends for a period of 8 quarters. The assessment also highlights compliance areas that need to be managed differently.

Spend Assessment

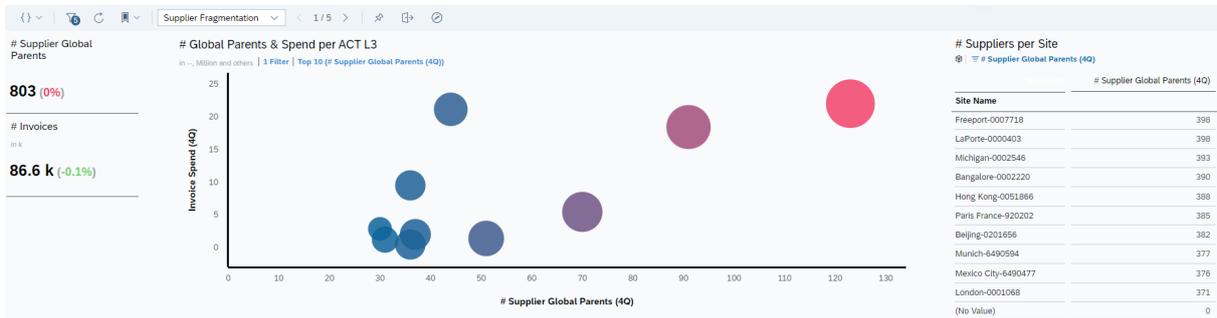
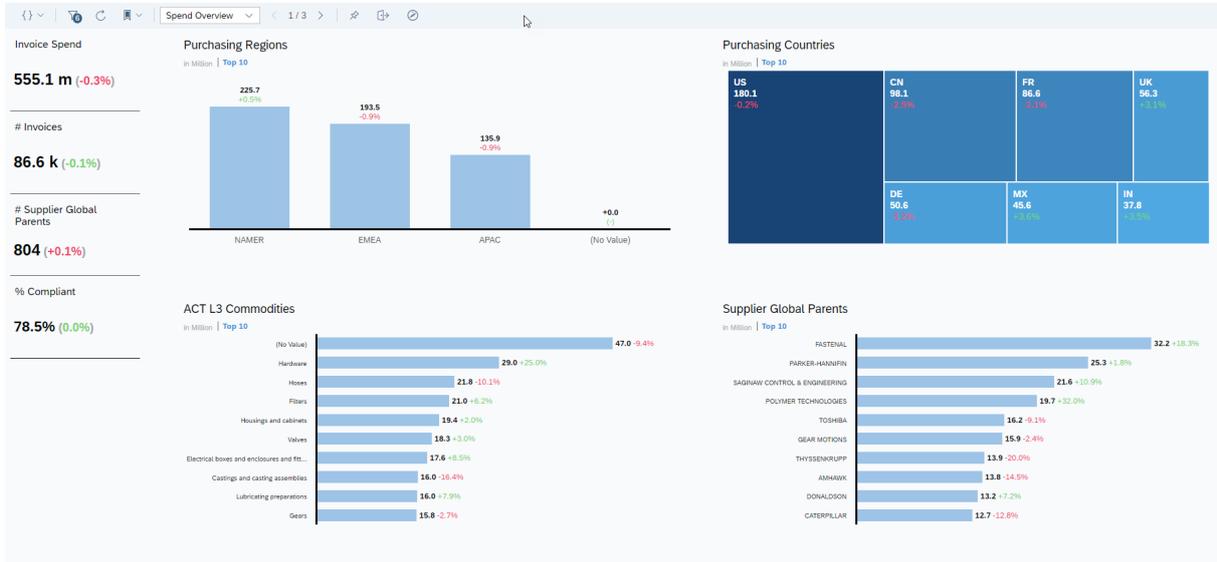
Highlights important spend categories having the highest number of suppliers or having unique source supplier. This story should also help identify compliance issues and where there are opportunities to consolidate low spend suppliers.

Price Optimizations

Highlights saving opportunities where the organization is purchasing the same parts from different suppliers, from the same supplier at different prices or different company site purchased at different prices.

Data Connectivity

Based on an SAP Data Warehouse Cloud (DWC) connection to SAP Ariba Analysis (through API data integration partner).



Global Parent Analysis
Invoice Spend (4Q) | 1 Filter

Supplier Global Parent (enr)	Invoice Spend (4Q)	# Contracts (4Q)	# Parts (4Q)	# Company Sites (4Q)	# Cost Centers (4Q)
FASTENAL	32.2 m	1	17	5	1
PARKER-HANNIFIN	25.3 m	5	341	10	1
SAGINAW CONTROL & ENGINEERING	21.6 m	2	227	10	1
POLYMER TECHNOLOGIES	19.7 m	2	42	5	1
TOSHIBA	16.2 m	2	43	5	1
GEAR MOTIONS	15.9 m	2	96	10	1
THYSSENKRUPP	13.9 m	2	40	5	1
AMHAWK	13.8 m	3	396	4	1
DONALDSON	13.2 m	2	181	4	1
CATERPILLAR	12.7 m	2	17	7	1
DELTA MACHINING	12.3 m	4	154	5	1
WELLS MANUFACTURING	10.7 m	3	10	2	1
TRI-STATE STEEL & FABRICA	10.4 m	4	200	4	1
SAMUEL INVESTMENTS	9.2 m	3	34	2	1
SPECIALTIES CO OF FREEPORT	9.2 m	1	1	4	1
R S INFOCON	8.8 m	2	2	4	1
SYSTEM COMPONENTS	8.6 m	3	81	1	1

4.1.39 SAP Business ByDesign

Financial Performance

Shows the KPIs for Earned Profit and Order Profit. The KPIs show variance with respect to the previous year. Trends are displayed for Profitability measures. Breakdown of net revenue is also available by country and product group.

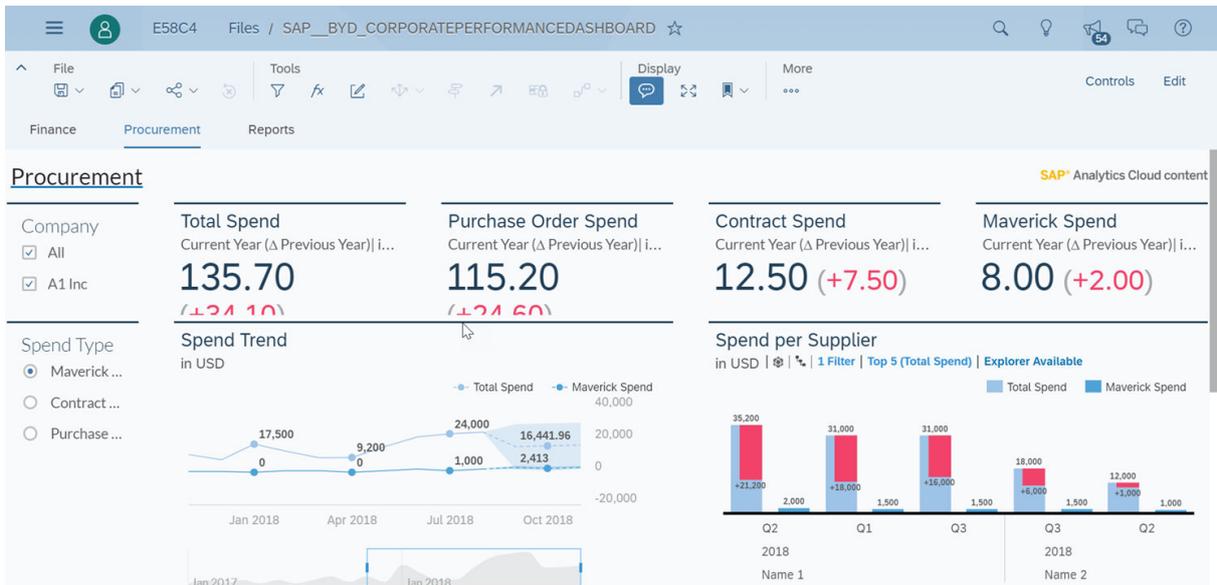
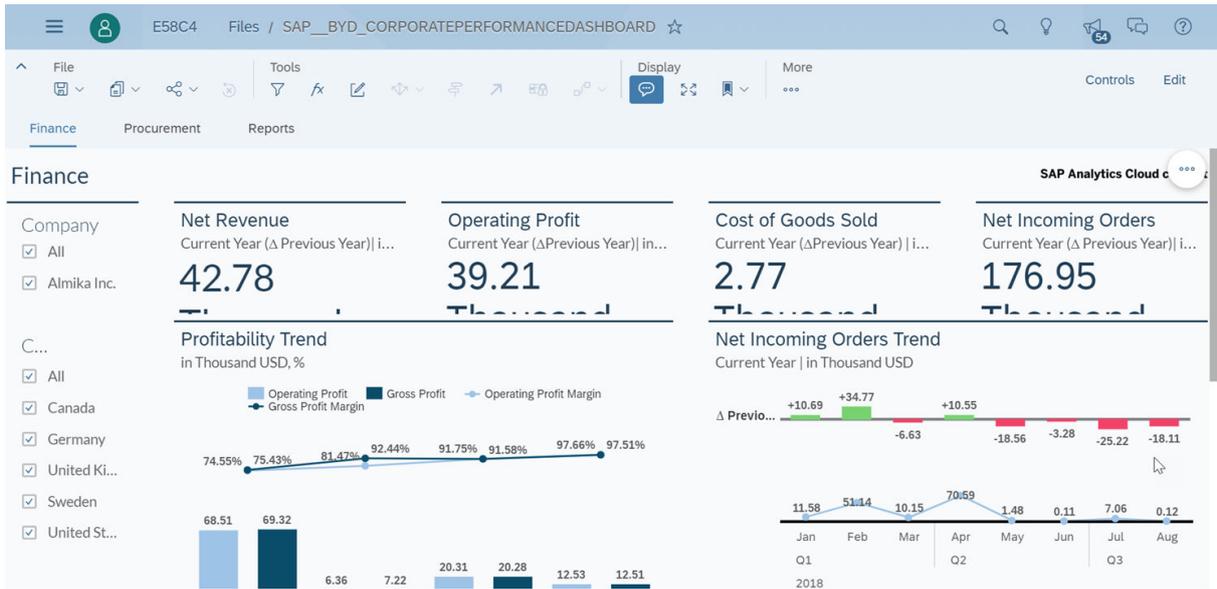
Procurement

Gives an overview of all spends for suppliers and product categories.

Trends, forecast, and variance, with respect to the previous year, are available for spends.

Data Connectivity

Based on OData Data Acquisition connectivity to SAP Business ByDesign.



Financial Report		Procurement Report				
SAP_BYD_FL_EARNEDPROFIT		SAP_BYD_PROC_SPENDS				
in USD 1 Filter		in USD 1 Filter				
Calendar Year / Month ID	> 2017	> 2018	Invoice Year / Month ID	> 2017	> 2018	
Account			Account			
Gross Profit		69,320.23	40,006.26	Maverick Spend	6,000.00	8,000.00
Operating Profit		68,505.72	39,208.42	Contract Spend	5,000.00	12,500.00
Cost of Goods Sold		22,576.23	2,774.49	Purchase Order Spend	90,600.00	115,200.00
Net Sales Revenue		91,896.46	42,780.75	Total Spend	101,600.00	135,700.00

4.1.40 SAP Order Management foundation

Order Volume Insights

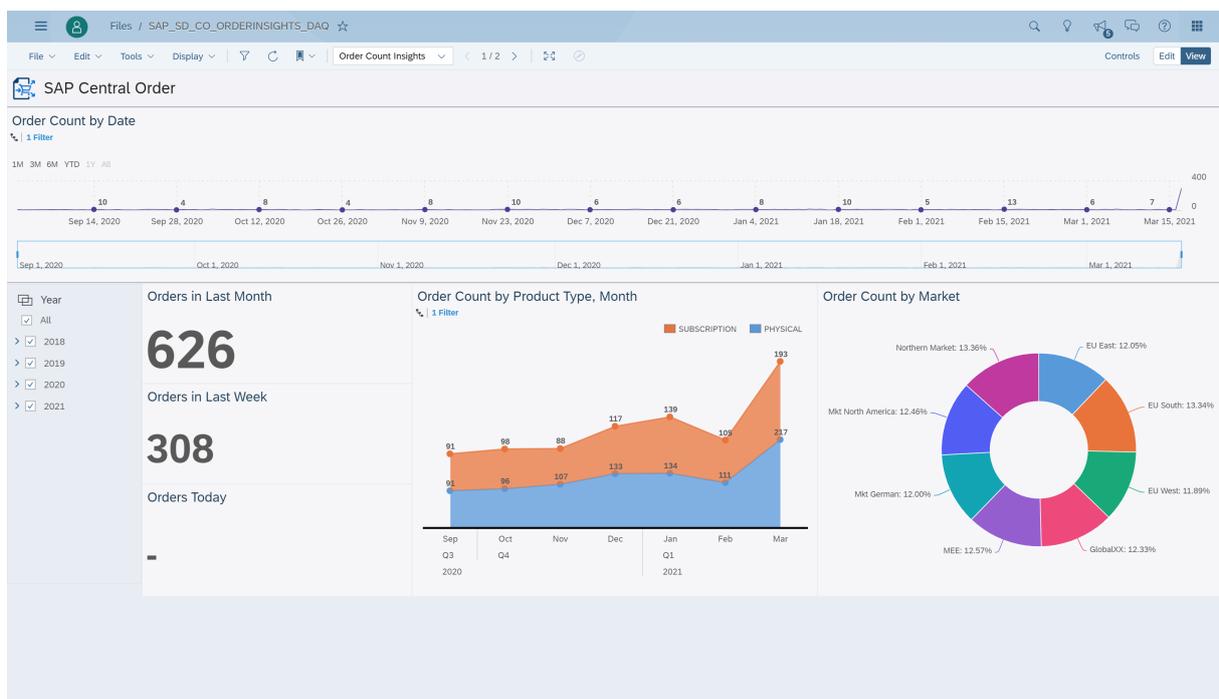
Gather information about the distribution of captured Sales Orders over time as well as the volumes by Market and by Product type.

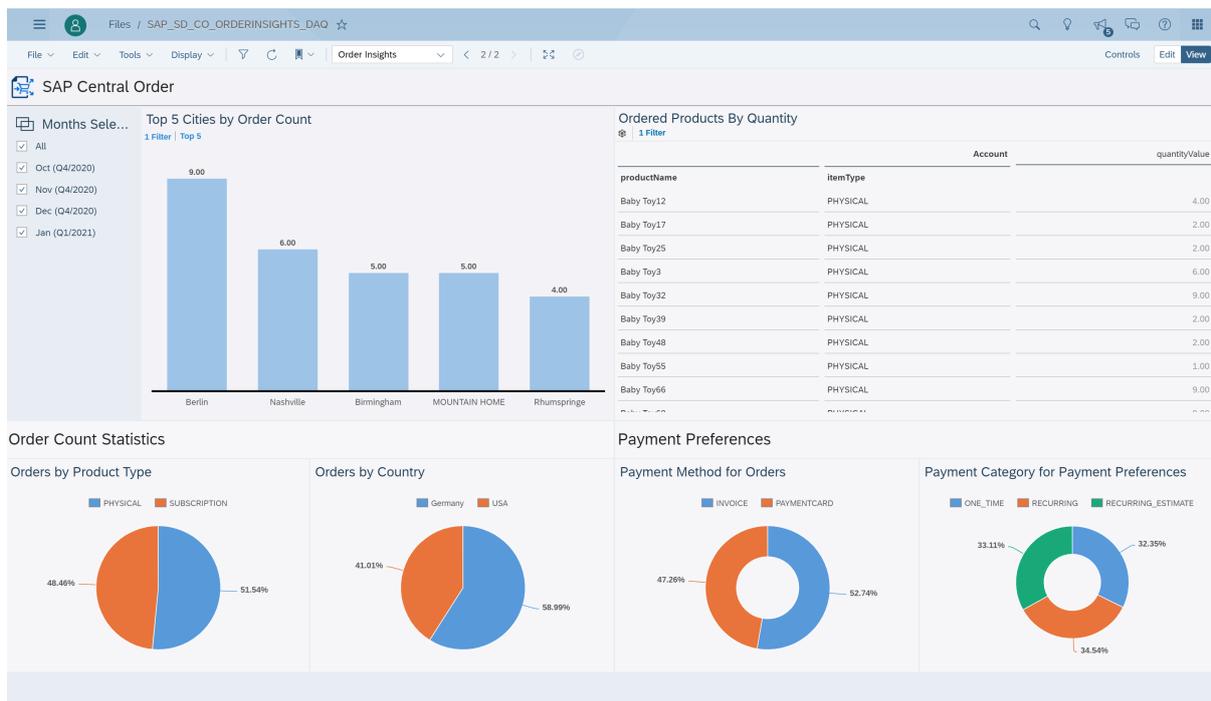
Order Insights

Find additional information related to geographical distribution as well as the Top Products. Also, Payment Preferences are shown.

Data Connectivity

Based on SAPSDCO Connection via Data Acquisition.





4.1.41 SAP Cloud Platform Integration Reporting Dashboard

Deep Insights

SAP Cloud Platform Integration (CPI) is SAP's strategic enterprise-wide integration middleware hosted on SAP Cloud Platform (SCP).

This reporting dashboard provides at-a-glance view of relevant key performance indicators of a CPI tenant.

Tenant administrators can make better decisions based on insights of the CPI tenant using the intuitive and interactive widgets.

Using the dashboard, you can:

- Monitor the integration flows which has the highest processed messages.
- Analyze the status of processed messages.
- Get the count of the deployed artifacts.
- Find the distribution of service endpoints across API protocols.

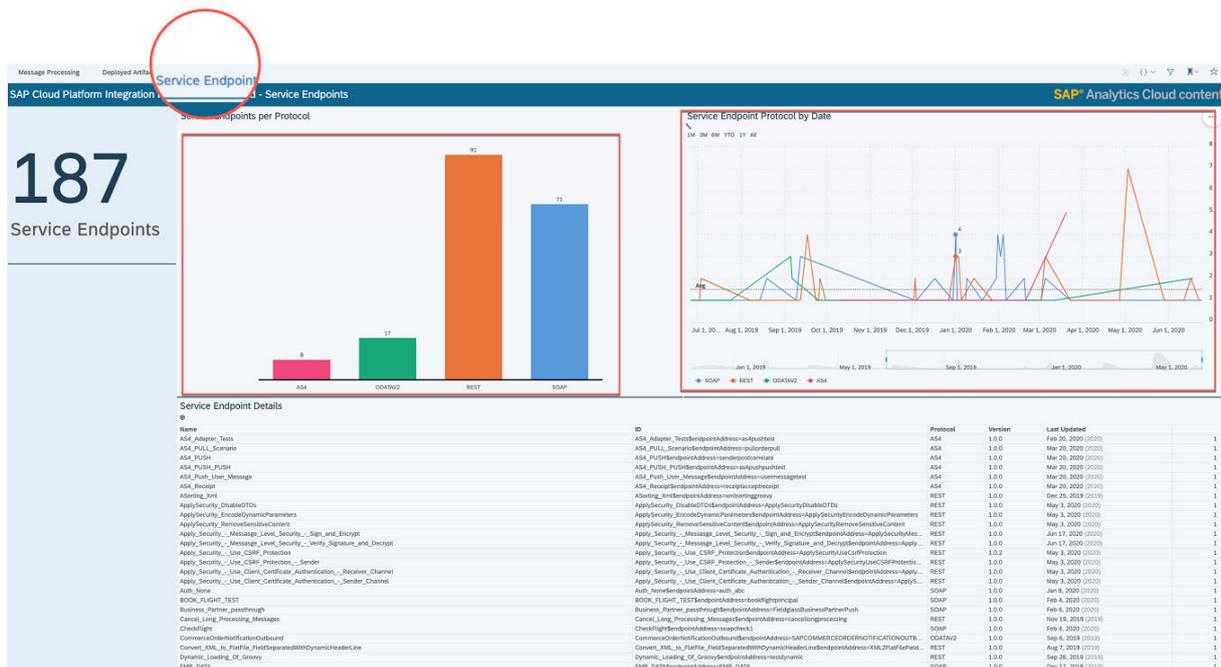
You can also extend the functionalities of the dashboard using other available CPI OData APIs.

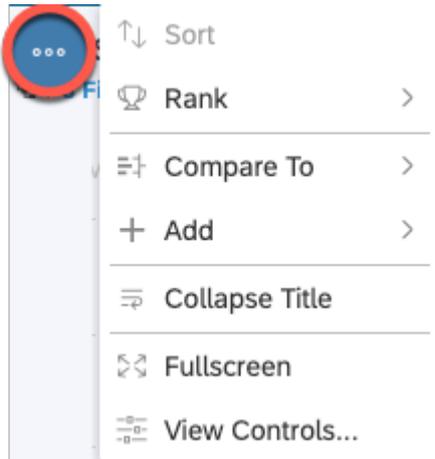
User Experience

The widgets in the dashboard displays data in a simple metric that helps you visualize the context information with slicing and dicing capabilities.

Data Connectivity

Based on SAP Cloud Platform Integration OData APIs.





4.1.42 SAP CRM - Sales Performance and Planning

Sales Performance

Growth

Analysis of sales revenue growth measured against targets, portfolio performance and customers.

Pipeline

Analysis of leads and opportunities – with focus on pipeline health. Simulation capabilities also included.

Sales Team

Monitoring overall performance of sales team and individual sales employees along with win-loss analysis.

Sales Performance Summary Story

At a glance analyze the revenue trend, opportunity pipeline, deals won and lost and product revenue distribution with out of the box connectivity to an SAP Cloud for Customer (C4C) instance.

Sales Performance Analytic Application

Use the new Analytic Application to analyze lead and opportunities of your sales pipeline. Explore forecasting capabilities for leads and additional navigation options like drop downs.

Data Connectivity

Based on data acquisition connection to SAP Cloud for Customer.



Planning

Territory Target Planning

Top down Target planning by Territory having the following planning steps:

- Set target revenue baseline
- Setup Seasonality
- Allocate revenue to Product Groups
- Plan revenue for territories

Employee Quota Planning

Quota planning for employees belonging to Sales Units having the following planning steps:

- Set Quota Baseline
- Transfer Quota
- Plan quota for employees

Quota Coverage Simulation

Using Quota Coverage Simulation, you can analyze how you should adjust your sales force to achieve desired quota coverage.

Data Connectivity

Based on data acquisition connection to SAP Cloud for Customer.

Product	Customer	Sales Account	Version	Actual		Plan	
			Date	Aug (2019)	Dec (2019)	Jan (2020)	Feb (2020)
Road Bike	ACME Bike ...	Volume PC		83 pc	83 pc	83 pc	83 pc
		▼ Gross Margin per PC		231 \$/pc	231 \$/pc	231 \$/pc	231 \$/pc
		▼ Net Revenue per PC		491 \$/pc	491 \$/pc	491 \$/pc	491 \$/pc
		Gross Revenue per PC		577 \$/pc	577 \$/pc	577 \$/pc	577 \$/pc
		Sales Deductions per PC		87 \$/pc	87 \$/pc	87 \$/pc	87 \$/pc
		COGS per PC		259.79 \$/pc	259.79 \$/pc	259.79 \$/pc	259.79 \$/pc
	Bike Wareho...	Volume PC		67 pc	67 pc	67 pc	67 pc
		▼ Gross Margin per PC		246 \$/pc	246 \$/pc	246 \$/pc	246 \$/pc
		▼ Net Revenue per PC		448 \$/pc	448 \$/pc	448 \$/pc	448 \$/pc
		Gross Revenue per PC		448 \$/pc	448 \$/pc	448 \$/pc	448 \$/pc
		Sales Deductions per PC		---	---	---	---
		COGS per PC		201.49 \$/pc	201.49 \$/pc	201.49 \$/pc	201.49 \$/pc



4.1.43 SAP CRM – Service Cloud

Service Ticket Performance Overview

Gain in depth insights into your service ticket performance: At one glance, find the most important KPIs like number of open tickets, average backlog or escalations. Average processing times are also presented.

Analyze the service ticket trends over time and use the forecasting capabilities of SAP Analytics Cloud to better plan your service support team.

Break-down of the total number of tickets and year-over-year comparison by various dimensions such as priority, status, product, support agent or customer is offered. Next to that, find the distribution of the social media involvement.

Agent Performance

Understand agent performance for agent groups and also that of individual agents: Number of tickets, average processing times, age of tickets and lead times are shown per agent.

Select a single agent to analyze that person's detailed performance.

Ad-hoc Analysis

Perform freestyle analysis of various KPIs and dimensions driven by smart grouping: Dimensions for the drill-in include product, organization, customer, escalation status, priority or agent. Available measures include number of tickets, average processing times, total response times and many more. Use the smart grouping capabilities of SAP Analytics Cloud to guide your analysis for all KPIs to the level of detail of individual tickets.

Data Connectivity

Based on Cloud for Customer Analytics connection.



4.1.44 SAP Entitlement Management

Overview

With Entitlement Dashboard, business users can analyze customer entitlements along different dimensions and slice & dice the data to view entitlement information in desired format.

Standard Report Templates

Entitlement Dashboard will offer 9 standard reporting templates. The newly delivered reporting templates enable business users to explore entitlements data by customer, entitlement model, offering, status, business category, reference document and consumption balance. In these template reports, customer entitlements can be filtered by customer, folder, entitlement model, status and validity period of the entitlements.

Utilize business specific data to build critical insights

All the data fields (system and well as business defined) are available as part of the dashboard. This enables users to customize and build business specific dashboards.

Data Connectivity

Based on Live Data Connection – SAP HANA

Template -- View audit trail for entitlements records

Selection

- Customer
(All)
- Entitlement Model
(All)
- Entitlement No (1)
53 - 8396
- Last Changed At (1)
Aug 1, 2020 - Oct 30, 2020

View audit trail for entitlement records

🔍 Last Changed At

Customer	Entitlement Model	Entitle...	Entitle...	Offering	Status	Valid ...	Valid To	Measures	Remaini
								Last Changed ...	
PrintEverything In...	Subscription for 3D ...	8314	License	Subscripti...	Active	Aug 2...	Dec 3...	Oct 21, 2020 6...	
Palo Alto Networks	Installation Service	8311	Service	Subscripti...	Initial	Aug 2...	Oct 30...	Oct 14, 2020 4...	
Expired	Package Entitlements	8060	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
	Administrative User ...	8059	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
	API Outbound Entitl...	8058	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
	Data Inbound Entitl...	8057	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
	Portfolio Managem...	8056	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
	Building Operations	8055	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
	Safety Assurance	8054	Service	Building ...	New	Oct 7, ...	Aug 2...	Oct 9, 2020 4:...	
WC Test Inc	Velo Software	8325	License	SD-WAN 5...	Initial	Apr 1, ...	Apr 30...	Oct 8, 2020 5:...	
Jimmy McGill	Additional Onsite S...	8303	Support	Adobe Cr...	Merged	Aug 1...	Aug 1...	Sep 24, 2020 9...	
		8302	Support	Adobe Cr...	Merged	Aug 1...	Aug 1...	Sep 24, 2020 9...	
Information Inc.	Services_for_ITSM	8396	Service	IT Service ...	Active	Sep 2...	Sep 2...	Sep 23, 2020 3...	
	ITSMold	8395	Service	IT Service ...	Inactive	Sep 2...	Sep 2...	Sep 23, 2020 9...	
Martin Signify	License Signify Gen...	8394	License	[Signify] C...	Active	Sep 3...	Sep 2...	Sep 21, 2020 4...	
	Access to Signify APIs	8393	Frame C...	[Signify] C...	Initial	Sep 3...	Sep 2...	Sep 21, 2020 4...	
Signify Premium	License Signify Gen...	8392	License	[Signify] C...	Active	Sep 2...	Dec 3...	Sep 17, 2020 1...	
	Access to Signify APIs	8391	Frame C...	[Signify] C...	Initial	Sep 2...	Dec 3...	Sep 17, 2020 1...	
Signify Basic	License Signify Gen...	8390	License	[Signify] C...	Active	Sep 2...	Dec 3...	Sep 17, 2020 1...	
	Access to Signify APIs	8389	Frame C...	[Signify] C...	Initial	Sep 2...	Dec 3...	Sep 17, 2020 1...	
Joe Signify	License Signify Gen...	8355	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8387	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8377	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8367	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8363	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8359	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
	Access to Signify APIs	8356	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8388	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8378	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8368	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8364	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8360	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
	License Signify Gen...	8375	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8385	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	
	Access to Signify APIs	8386	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
		8376	Frame C...	[Signify] C...	Initial	Sep 1...	Dec 3...	Sep 17, 2020 1...	
	License Signify Gen...	8383	License	[Signify] C...	Active	Sep 1...	Dec 3...	Sep 17, 2020 1...	

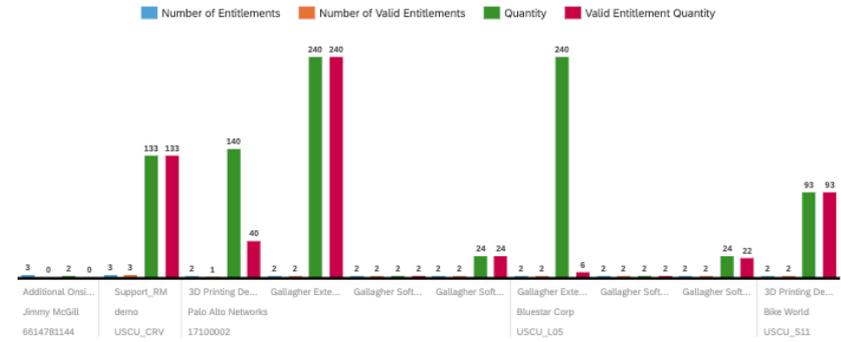
Template -- View entitlements per customer per entitlement model

Selection

- Customer Group (All)
- Customer (All)
- Entitlement Model (All)
- Entitlement Type (All)
- Business Category (All)
- Status (All)
- Valid From (1)
Aug 1, 2020 - Oct 30, 2020
- Valid To (1)
Oct 30, 2020 - Oct 25, 2021

View entitlements per customer per entitlement model

Top 10 (Number of Entitlements) | Explorer Available



View entitlements per customer per entitlement model

Top 10 Number of Entitlements

Customer ID	Customer	Entitlement Model	Measures	Number of Entitlements	Number of Valid Entitlements	Valid Entitlement Quantity
6614781144	Jimmy McGill	Additional Onsite Support		3	0	0.00
USCU_CRV	demo	Support_RM		3	3	133.00
17100002	Palo Alto Networks	3D Printing Design Software		2	1	40.00
		Gallagher Extended Support		2	2	240.00
		Gallagher Software Maintenance		2	2	2.00
		Gallagher Software Updates		2	2	24.00
USCU_L05	Bluestar Corp	Gallagher Extended Support		2	2	6.00
		Gallagher Software Maintenance		2	2	2.00
		Gallagher Software Updates		2	2	22.00
USCU_S11	Bike World	3D Printing Design Software		2	2	93.00
WC_Cust_002	WC Test Inc	WC_EM_LIC_001		2	2	2.00
1600005	Information Inc.	Services_for_ITSM		1	1	1.00
17100002	Palo Alto Networks	Installation Service		1	1	6.00
17100004	PrintEverything Ltd.	Lap_Activation 11		1	1	10.00

Template -- View entitlements with different statuses

Selection

Customer
(All)

Entitlement Type
(All)

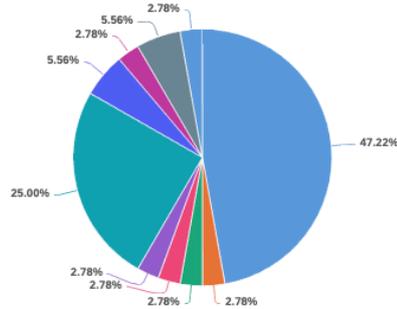
Status
(All)

Valid From (1)
Jul 2, 2020 - Oct 30, 2020

Valid To (1)
Oct 30, 2020 - Oct 25, 2021

View entitlements with different statuses

Active Ended Expired Grace Period Granted Initial Merged Requested Split Trial period



View entitlements with different statuses

Number of Entitlements

Status	Measures	Number of Entitlements
Active		17
Initial		9
Merged		2
Split		2
Ended		1
Expired		1
Grace Period		1
Granted		1

4.1.45 SAP Integration Suite

Deep Insights

SAP Integration Suite is a cloud based Enterprise Integration Platform as a Service (EiPaaS) that simplifies and accelerates enterprise integration and helps to transform an organization into intelligent enterprises.

Cloud Integration as one of the capabilities of SAP Integration Suite helps to bring together disparate systems and IT landscapes to streamline your business processes and increase efficiency.

API Management extends the Integration Suite capability by creating a digital experience to design, develop, and manage APIs in a secure and scalable environment.

Cloud Integration Reporting Dashboard

- Monitor the integration flows which has the highest processed messages.

- Analyze the status of processed messages.
- Get the count of the deployed artifacts.
- Find the distribution of service endpoints across API protocols.

API Management Reporting Dashboard

- Quickly glance through and analyze important API metrics with chart based representation.
- View the KPIs that affect the performance of APIs and error trends for the selected time interval.
- Find reports about key metrics related to user-engagement

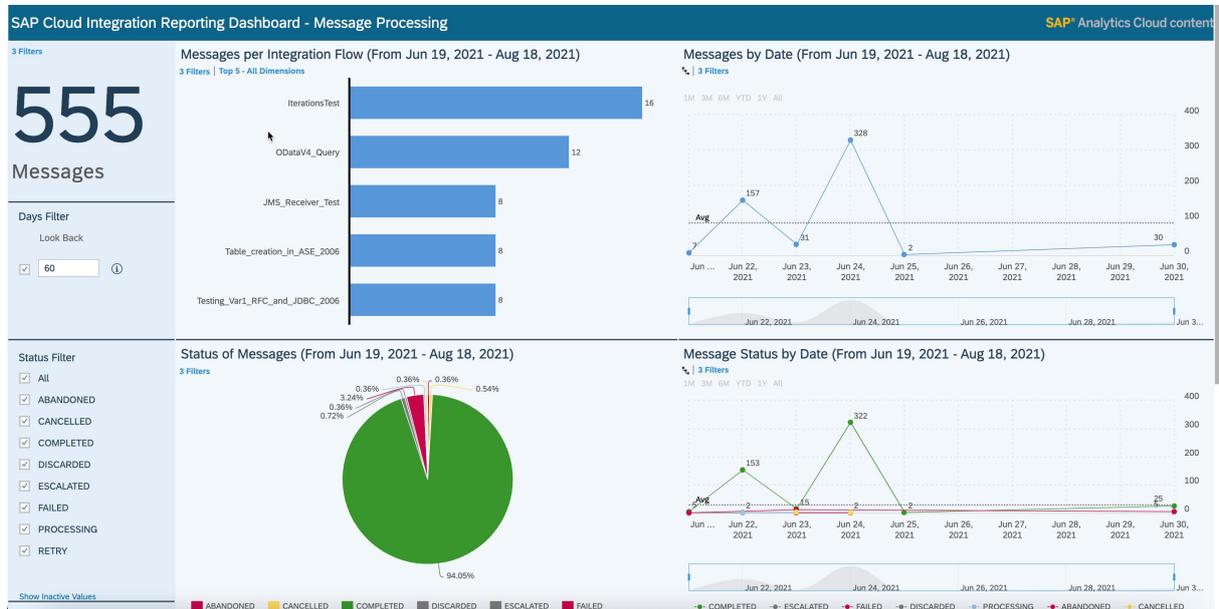
User Experience

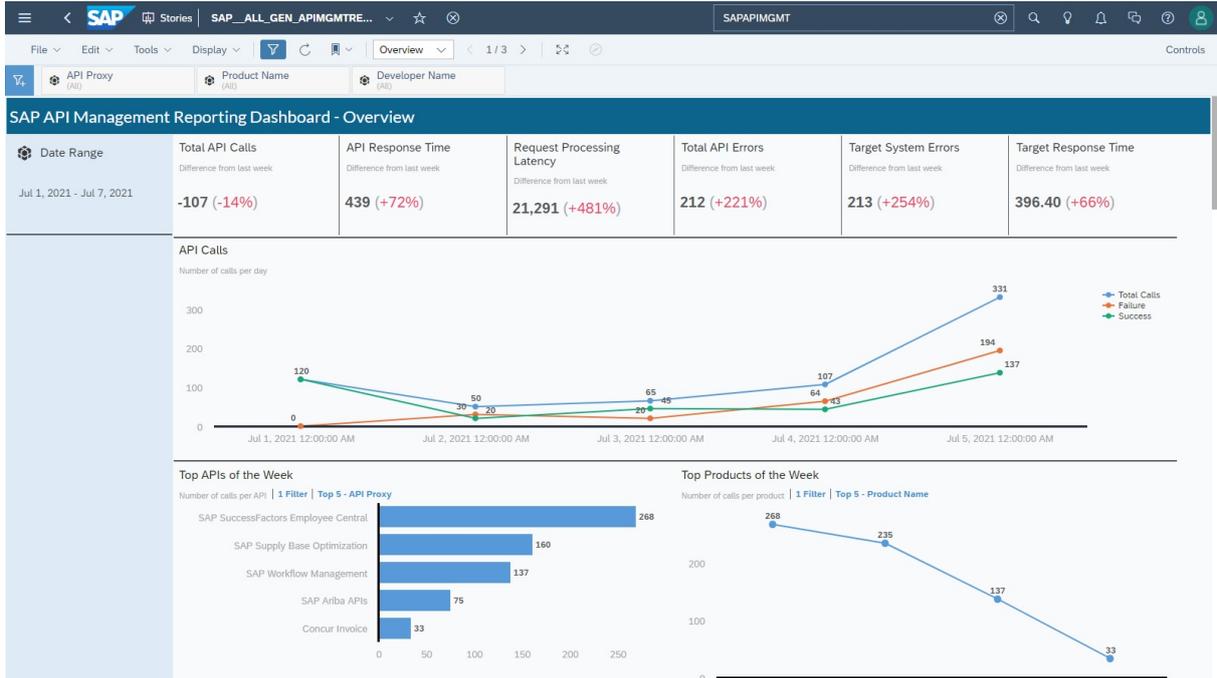
The widgets in the CI dashboard displays data in a simple metric that helps you visualize the context information with slicing and dicing capabilities.

The API Management dashboard offers a simple chart-based representation of data that helps to track API performance and usage based on your requirements.

Data Connectivity

Both Cloud Integration and API Management use OData APIs for connectivity.





4.1.46 SAP Logistics Business Network - Supply Chain Network Analytics

A story in Logistics Execution Insights visualizes the overall status of in-execution shipments and provides analysis on the corresponding delivery and pick-up activities.

The page delivers relevant KPIs/Status at a glance, while details within each area are available as follows:

Shipment Overview Status

Check process status for in-execution shipments, find exceptions and drill down for further analysis.

Shipment Execution Status

Analyze each execution status by process status, identify the bottle neck and prepare for supply chain improvement.

Shipment ETA at Next Transportation Location

Predict order volume in a transportation Location per hour, help operators manage resource more efficiently.

Open Appointments in Coming 7 Days

Focus on open appointments and navigate to book time slot if necessary.

Pick-ups Running Late and Deliveries Running late

Monitor the number of orders that will be late for pick-up and delivery.

Pick-ups Completion Status

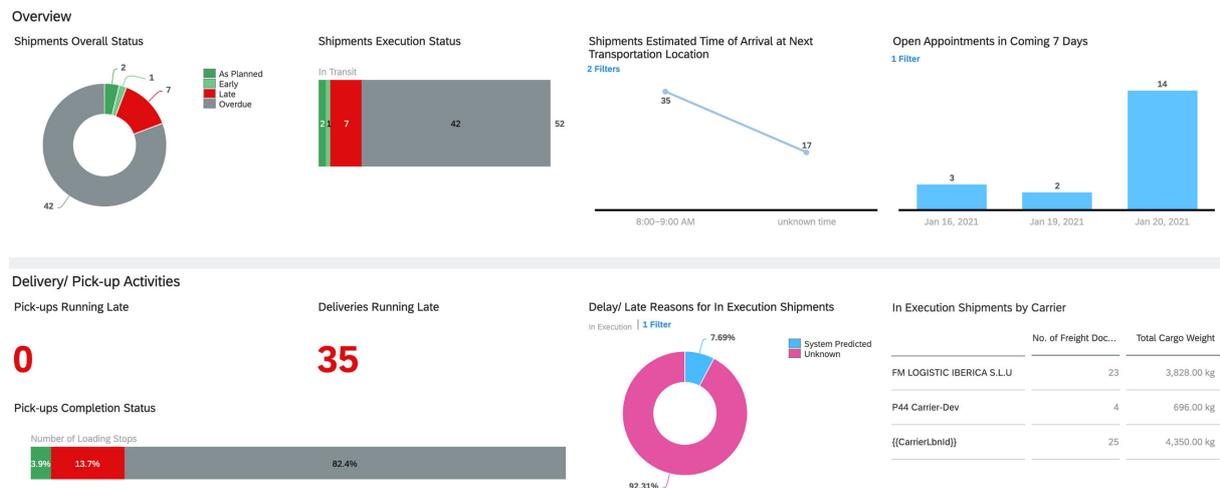
Overall pick-up activity status, could be used to estimate/predict the overall delivery status.

Delay/Late Reasons for in Execution Shipments

Analyze the delay/late reason for supply chain continuous improvement.

In Execution Shipments by Carrier

Display top carriers' workload, could be used to analyze carrier's performance.





Activity Time at Locations Transit Time between Locations

YearQuarterMonthDay (1)
2024 (2020)

At a Glance

160 Shipments
194 Events
5 Activity Types

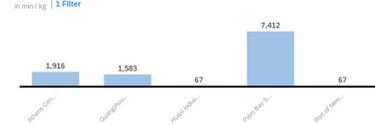
Performance Overview

Average Dwell Time
in minute | 2 Filters | 1 Variance
440 (-40)
Δ 2020 Q3

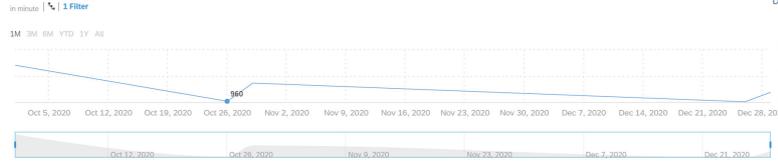
Average Loading Time
in minute | 2 Filters | 1 Variance
180 (+60)
Δ 2020 Q3

Average Unloading Time
in minute | 2 Filters | 1 Variance
160 (-20)
Δ 2020 Q3

Average Dwell Time per Weight

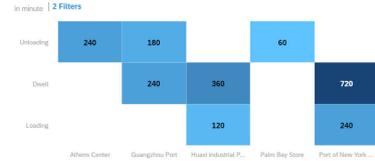


Average Dwell Time within a Time Range



Details

Average Activity Time at Locations



Activity Time at Locations Transit Time between Locations

Oct 12, 2020 Oct 26, 2020 Nov 9, 2020 Nov 23, 2020 Dec 7, 2020 Dec 21, 2020

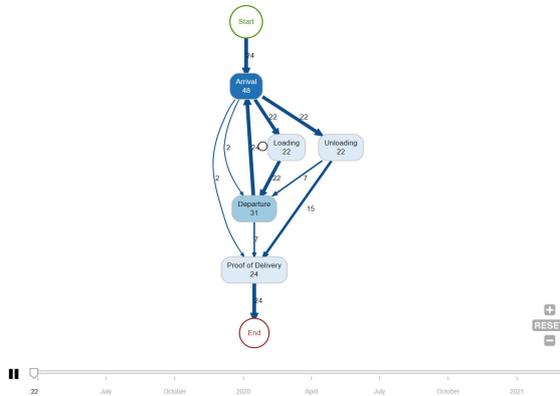
Performance Details

Select carriers, locations and activities on the right and click Apply Filters to Dynamic Process.

Clear Filters Apply Filters to Dynamic Process

Dynamic Process

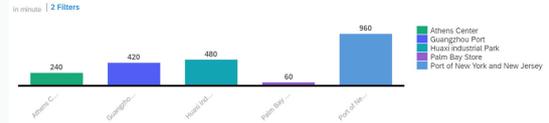
Activity



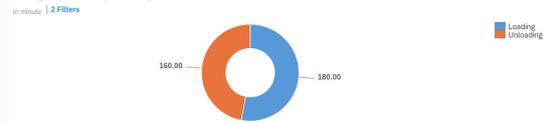
Average Dwell Time per Carrier

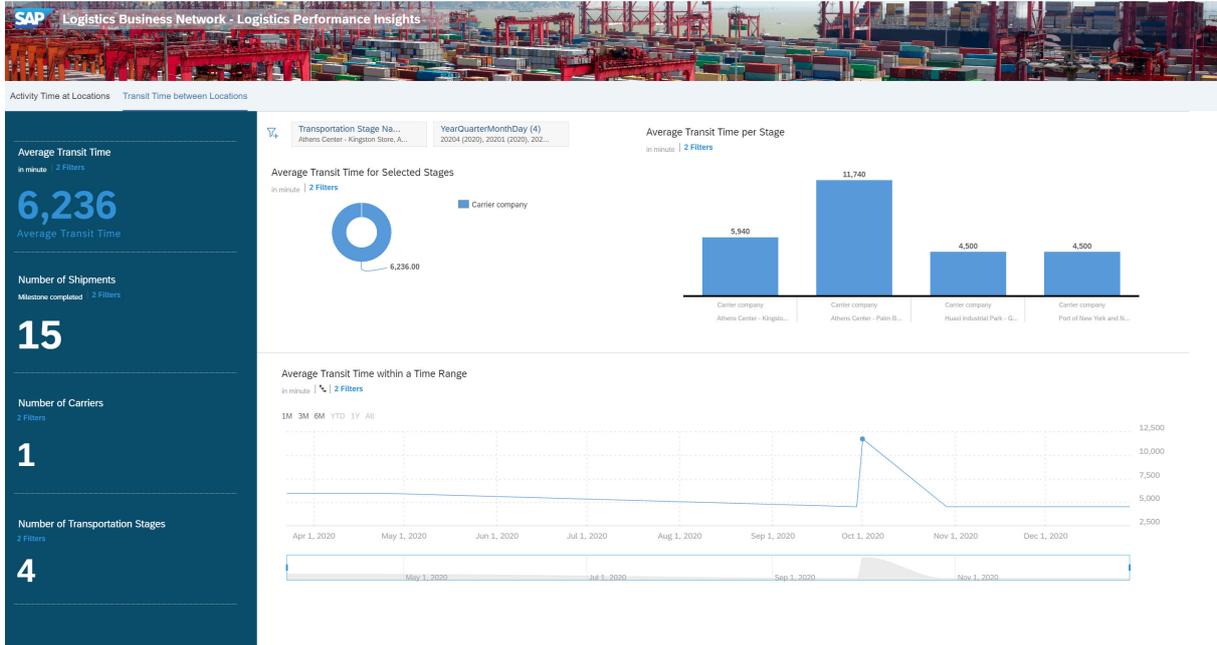


Average Dwell Time per Location



Average Dwell Time per Activity





4.1.47 SAP Marketing

Campaign Analytics

Overview of the campaign success, for example Email, Facebook, and paid social campaigns, includes the ability to drill down on various dimensions.

Contacts and Profiles

Overview of new and existing contacts, the channels used by the contacts, the distribution of interests across channels, or communication media.

Lead and Accounts

KPIs for leads and accounts, opportunities, lead stages, interests, products, and lead nurture stream.

Marketing Planning and Performance

Overview of marketing planning spend and the resulting conversions.

Offer Management

Overview of offers that are planned during the next 3 months, and detailed analysis and comparison of the successful offers that were valid during the last 3 months.

Marketing Data Analysis

Summary of mobile push notifications for the last 6 months and the overview of experience dimension that is measurable using Qualtrics NPS.

Marketing Analytics Stories

SAP Marketing Analytics Stories



Contacts & Profiles

- Profile Analytics
- Channel Interest Mix
- New and Converted Contacts



Campaign Analytics

- Success of Email and SMS Campaigns
- Paid Search Campaigns Success
- Paid Social Campaigns Success
- Display Ad Campaigns Success
- Hard Bounces and Soft Bounces
- Campaign Statistics
- Campaign Success for Mobile Push Notifications
- Bounce Statistics



Marketing Planning and Performance

- Spend for Marketing Plans



Leads and Accounts

- Lead Dashboard
- Lead Nurture Stream
- Spotlighting Accounts



Marketing Cloud

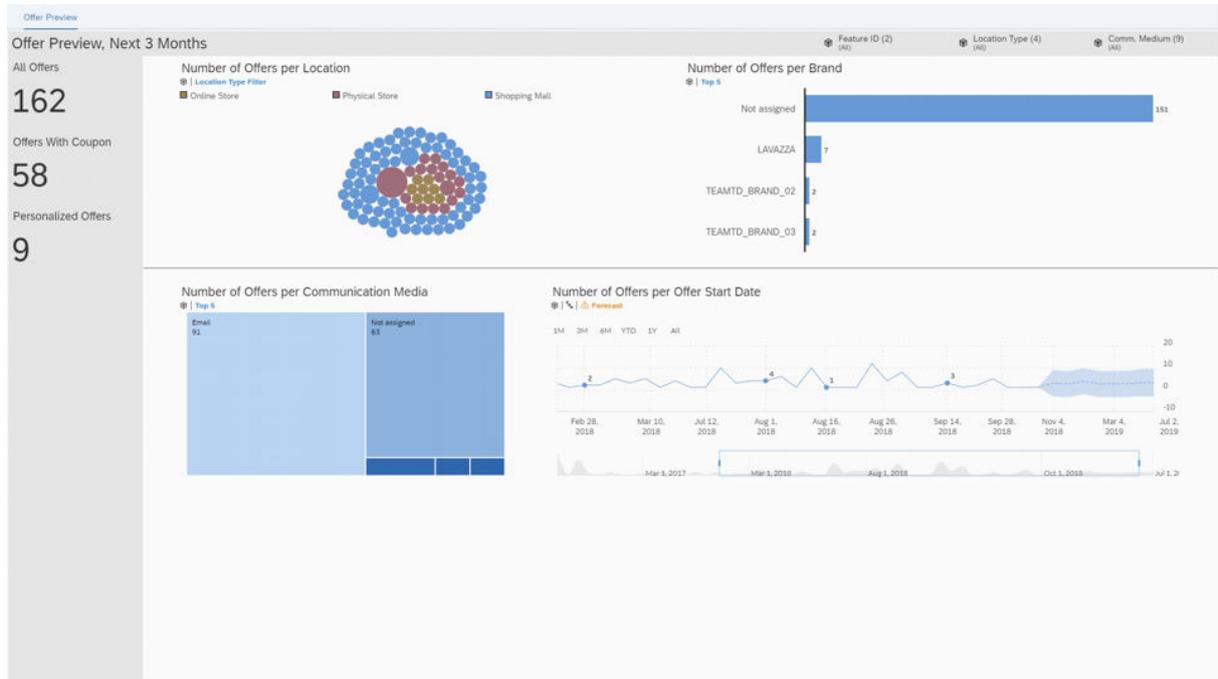
Offer Management

- Offer Preview
- Offer Success

Marketing Data Analysis

- Success of Mobile Push Notifications
- NPS Feedback Analysis, by Accounts

Some stories are not available with On Premise 1809 and 1909



4.1.48 SAP Master Data Governance - Data Quality Analysis

SAP MDG Data Quality Overview for Products

An easy-to-use dashboard for the end user, from Chief Data Officer to master data specialist, to get real-time quality abstract in product master data quality as well as history trends. From Score by Rule, the navigation to backend MDG Data Quality solution is provided where all details of data quality insight can be explored. It is possible for explorer data quality score by Category, Dimension and Rule 3 levels.

SAP MDG Data Quality Overview for Business Partners

An easy-to-use dashboard for the end user, from Chief Data Officer to master data specialist, to get real time quality abstract in business partner master data quality as well as history trends. From Score by Rule, the navigation to backend MDG Data Quality solution is provided where all details of data quality insight can be explored. It is possible for explorer data quality score by Category, Dimension and Rule 3 levels.

Data Connectivity

Based on live data connection to SAP MDG Data Quality Score Analysis (SAP__MDG_DQ_LS_SCORE).

Data Quality Overview for Business Partners

Score By Category

Average Category Score

56.9



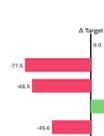
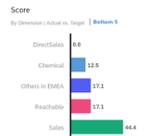
Score Trends



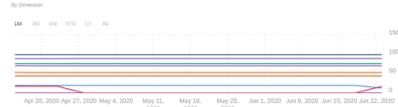
Score By Category Dimension

Average Dimension Score

55.8



Score Trends



Score By Data Quality Rule

Average Rule Score

54.1



Score Trends



Data Quality Overview for Products

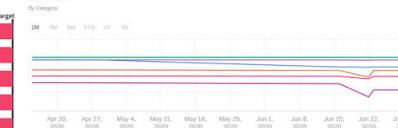
Score By Category

Average Category Score

76.7



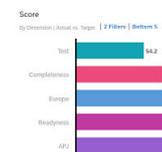
Score Trends



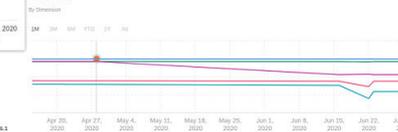
Score By Category Dimension

Average Dimension Score

80.7



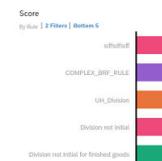
Score Trends



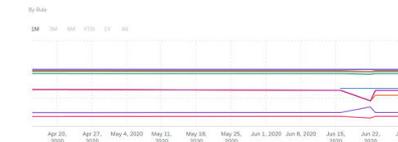
Score By Data Quality Rule

Average Rule Score

71.8



Score Trends



4.1.49 SAP Procurement: Contract Management

Provides integrated analytics based on SAP Ariba Contracts data. The package provides insights into three main areas of procurement contracts:

1. **Overview** – Provides a summary of an organization's active procurement contracts. KPIs include number of new contracts over time, top open contracts, top commodities, top suppliers

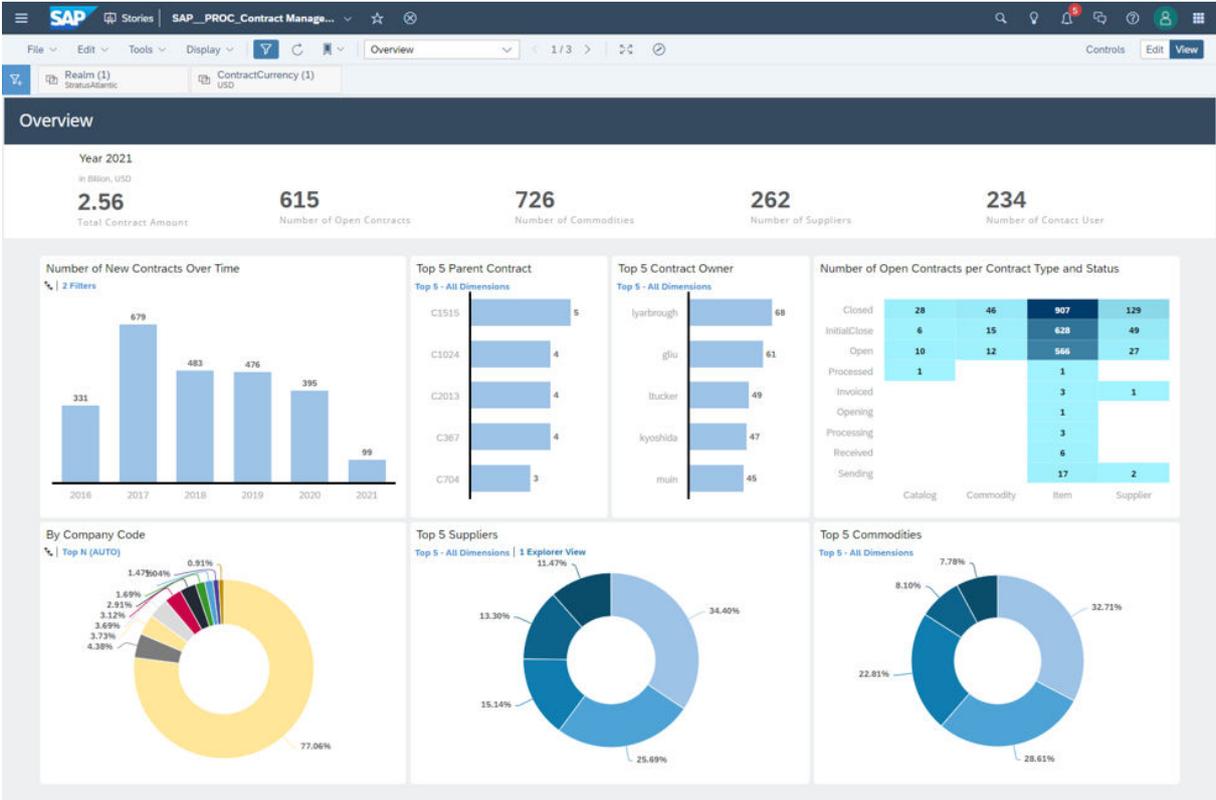
2. **Contract Compliance** – Measures an organization’s compliance on making purchases against active contracts. KPIs include top suppliers by max commitment, available spend for open contracts, contracts due to expire in the next six months, contract vs non-contract spend by supplier and commodity

3. **Contract Workspace and Clauses** – Provides insights into contract execution efficiency and contract clause usage. KPIs include number of executed contracts over time, contract on-time performance and contract details.

Data Connectivity

Data Connectivity for the models is based on SAP Ariba Contracts and SAP Ariba Contract Compliance. SAP Ariba provides a reporting API that allows scheduled data extraction into SAP Analytics Cloud via a consumer-specific OData Service that requires additional services. Please contact your designated SAP Ariba support representative for implementation details.

The OData connection name that the SAC models connect to will be defined by the customer once the data extractor is deployed in the customer environment. The OData service will have a dedicated URL per customer and must be connected to an OData connection in SAC.

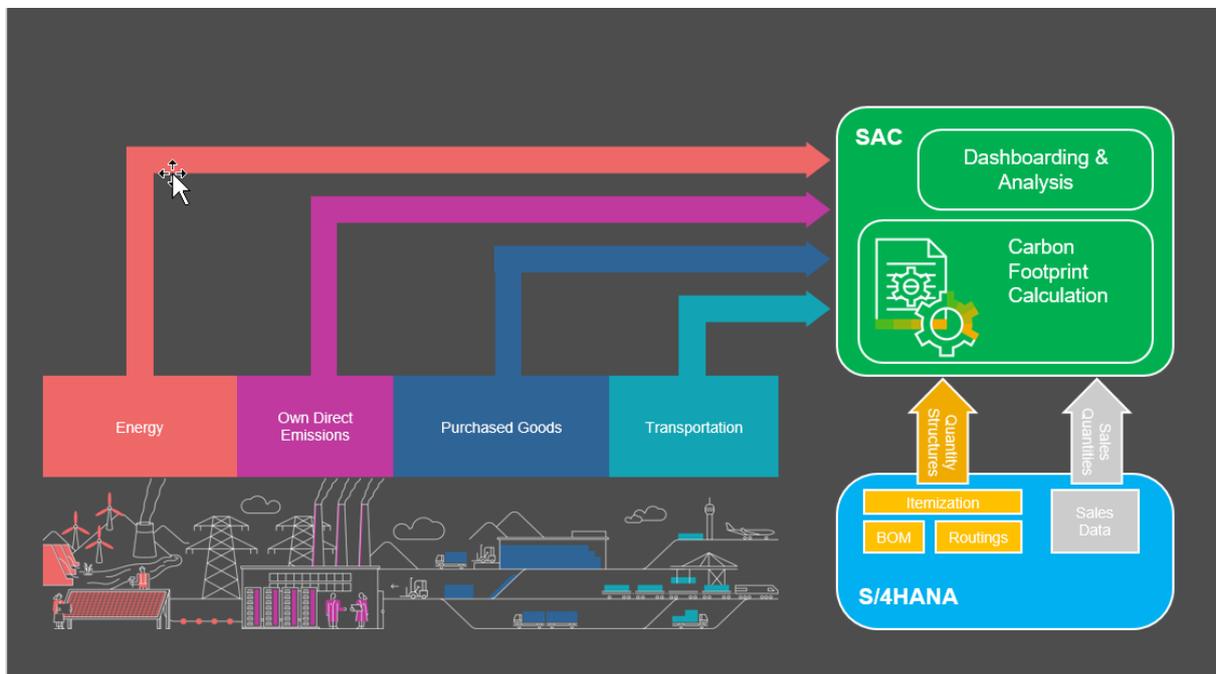


4.1.50 SAP Product Carbon Footprint Analytics

SAP Product Carbon Footprint Analytics enables businesses to assess their CO₂e* footprint across the value chain, starting from used raw materials over energy consumption and process-related direct emissions all the way to transportation and distribution.

CO₂e Monitoring Dashboard

This dashboard allows a **sustainability accountant** to get an overview of the CO₂e emissions and associated shadow costs across the enterprise. It allows you to drill into and compare different production sites, profit centers, and individual products with regards to their CO₂e emissions in each step of the value chain.



CO₂e Data Maintenance Dashboard

This dashboard allows a production sustainability expert to collect the CO₂e emissions for base materials and activities from the different steps of the production and distribution process. This data is used in combination with the quantity structure information obtained from S/4HANA to calculate the enterprise-wide emissions information using in CO₂e Monitoring dashboard.

Data Connectivity

Quantity structures, sales quantities and unit conversion factors used in the data model underlying both stories are based on the S/4HANA data model. Master data and transactional data can be loaded both from S/4HANA Cloud and On Premise. The complete integration is part of the content delivery.

i Note

*CO2e means CO2 equivalents and refers to the common practice of assessing different kinds of emissions on the basis of their climate impact measured in equivalent tons of CO2.

Overview Purchased Goods Inbound Transportation Purchased Energy **Direct Emissions** Outbound Transportation Overhead Emissions Carbon Costs Unit Conversion Quantity Structures Sales Quantities

Direct Emissions SAP Analytics Cloud Content

Number of Products: 5

Allocate Overall Plant CO2e Values To Produced Products
Overall plant emissions must be assigned to the different products produced manually or based on heuristics

▶ Use Sales Quantities
Allocate CO2e values based on the sales quantities

▶ Use Raw Materials
Allocate CO2e values based on the CO2e of raw materials

▶ Use Activity Steps
Allocate CO2e values based on the CO2e of activity steps

Sales Quantity per Period

Date (All)

Product (All)

Plant (All)

Company Code (All)

Country (All)

Lot Size Unit (All)

After completion of CO2e data maintenance, switch to the [Overview](#) tab and recalculate the carbon footprint.

Product	Plant	Company Code	Country	Lot Size Unit	CO2e Category	CO2e Benchmark Value	CO2e Value
						> (all)	> (all)
C21FP04 Vanilla Cookies	2310 Plant 1 IT	2310 Company Code 2310	IT	Carton	Direct Emissions	0.000	0.000
C21FP05 Butter Cookies	2310 Plant 1 IT	2310 Company Code 2310	IT	Carton	Direct Emissions	0.000	0.000
C21FP01 Cocoa Cookies	1010 Plant 1 DE	1010 Company Code 1010	DE	Carton	Direct Emissions	0.225	0.111
C21FP02 Cocoa Cookies (vegan)	1710 Plant 1 US	1710 Company Code 1710	US	Carton	Direct Emissions	0.305	0.138
C21FP03 Cinnamon Cookies	2310 Plant 1 IT	2310 Company Code 2310	IT	Carton	Direct Emissions	0.000	0.000

Total View Country View Plant View Profit Center View Product View Product Unit View Carbon Costs Ranked View

SAP Product Carbon Footprint Analytics

Monitoring Story SAP Analytics Cloud Content

Purchased Goods
in metric tons CO2e

149,455 88.2%

CO2e emissions of purchased materials that are directly used by the company to produce its own products.

Carbon Footprint
in metric tons CO2e

169,423

Direct Emissions
in metric tons CO2e

142 0.1%

CO2e emissions that are caused directly by the production process itself, for example emissions measured at exhaust outlets of a production plant.

Inbound Transportation
in metric tons CO2e

4,939 2.9%

CO2e emissions from transportation of purchased goods from their origin to the plant where they are used.

Overhead Emissions
in metric tons CO2e

4,921 2.9%

CO2e emissions that can not be allocated to one of the other CO2e categories.

Outbound Transportation
in metric tons CO2e

2,963 1.7%

CO2e emissions from transportation of sold goods to their destination (for example, the customer).

Carbon dioxide equivalent (CO2e) refers to the amount of CO2 emissions that has the same global warming potential as actually emitted greenhouse gases. This enables the comparison of different emissions in the same unit.

The total amounts shown reflect the emissions from all products that have been sold in the replicated time period.

THE BEST RUN

4.1.51 SAP S/4HANA Procurement Cloud Content with SAP Analytics Cloud

Overview

This scope item (29D ) provides pre-built analytical dashboards and digital boardroom content that help the executive management and senior management in understanding the key drivers in the underlying business processes related to Procurement.

Value Proposition

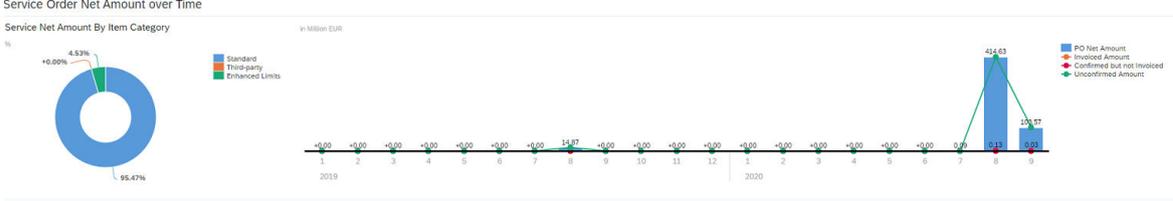
- Increase efficiency with highly integrated solution to eliminate data silos and make digital access simple, secure, and scalable and reduce errors in reconciliations in the procurement area.
- Pre-built set of analytical dashboards and reports help you analyze purchase spend, off contract spend and Service Purchase Order for robust analytics on S/4HANA Cloud data.
- Enhanced executive Digital Boardroom experience options for your customers.

Capabilities

- Real-time comparison of Purchase Order/Service Order Amount by Calendar Month, Supplier & Material Group, Purchasing Group and Time series chart using the predictive functionalities with SAP Analytics cloud..
- Procurement pre-built SAP Analytics Cloud content and dashboards which allow for robust analytics on S/4HANA cloud data with drill down functionality for procurement and status tracking analysis.
- Lists top 5 Purchase Order/Service Purchase Order amount by Plant Cost Center, Supplier, Material Group, Service Purchase Order net amount by status over time.
- Real-time Service Spend analytics with SAP S/4HANA Cloud.
- Analyzing in real-time the consumption of central purchase contracts residing in SAP S/4HANA for central procurement.

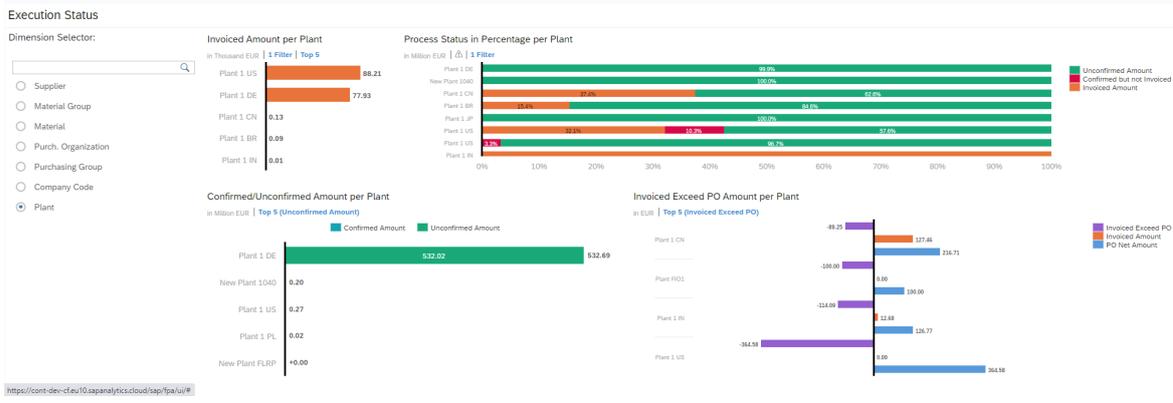
Service Order Net Amount In Current Year **518.31** Confirmed Amount In Current Year **786.45** Invoiced Amount In Current Year **166.37**

In Million EUR In Thousand EUR In Thousand EUR



Confirmed Amount In Current Year **786.45** Invoiced Amount In Current Year **166.37** Invoiced Exceed PO In Current Year **-518.14**

In Thousand EUR In Thousand EUR In Million EUR



4.1.52 SAP S/4HANA Sales Analytics Content with SAP Analytics Cloud

Overview

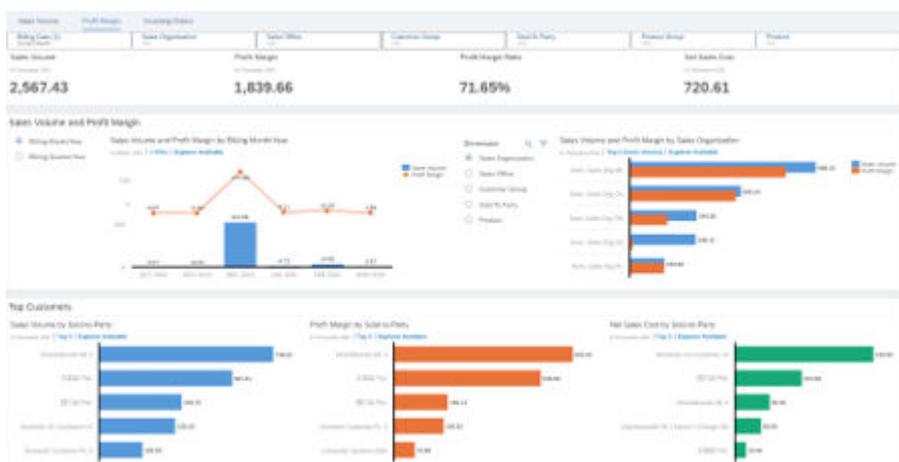
This scope item provides pre-built analytical dashboards that help the executive and senior management to monitor key drivers and trends in the sales process.

Value Proposition

Sales Analytics Cloud (SAC) provides a comprehensive tool for strategic live-data analysis in sales. A highly integrated solution that increases efficiency, eliminates data silos and make digital access simple, secure, and scalable

Capabilities

- See open sales at a glance and identify where you can take action in order to increase your sales volume. Gain a real-time overview of sales volume by calendar month/quarter and sales org, top customers, open orders by sales org, customer, customer group, product and product group.
- Check your pricing strategies and control the costs. Compare sales volume and profit margin over time and by sales org. Top customers by Sales Volume, Profit Margin, and Net Sales Cost.
- Identify top customers and trends by incoming sales and incoming service. Compare incoming orders and open orders and drilldown into sales org, sales office, sold-to party, and customer group.
- Identify trends in recent Customer Returns showing number and value of returned items. Get insights in product and return reasons.
- Analytics around sales quotations to provide insights into open quotations, expiring quotations, quotation conversions rates, rejected quotations and reasons for rejection.
- Analytics around sales contract to provide insights into Incoming contracts, Contracts' open values, Contracts' Fulfillment Rate.





4.1.53 Sales in SAP S/4HANA Cloud

Backorders

Analyze the current sales order confirmation situation. Identify bottlenecks due to product availability. See at a glance where you can increase future sales volume.

Delivery Performance

Monitor the current delivery performance of sales orders by comparing the customer's requested delivery date of sales order items with the actual delivery date of the outbound deliveries. Analyze delays in delivery. Ensure maximum customer satisfaction and retention.

Data Connectivity

CDS-Views based on sales data. For backorders there are two versions: one based on acquired data and one based on a live data connection.



4.1.54 SAP SuccessFactors Workforce Planning (SAP Best Practices)

Strategic Workforce Planning

Strategic Workforce Planning is about a scenario-based identification of future planned workforce shortage or surplus, workforce risks, risk mitigations and cost for a five year planning horizon. It's firstly the process of understanding the current workforce, determining future demand and supply and identifying the future gap between supply and demand. Secondly, the process covers identifying demand, supply and gap risks and coming up with risk responses (HR intervention strategy) to close workforce gaps. Thirdly, the planned cost impact of the risk responses is calculated. Comprehensive pre-built analytics stories support the planning activities. The solution is designed with planning administrator and planner roles in mind with role-specific launchpads.

New features are available. Check them out.

SAP HR ANA SWFP LP AD... Admin Landing Page 1/1

Strategic Workforce Planning

Configuration

- Headcount Preparation
- Retirements Preparation
- Cost Impact Preparation
- Cost Drivers
- Average Salary
- Cost Merge

Demand Preparation

- Output Targets
- Inflation
- Demand

Supply Preparation

- Hires
- Retirements
- Terminations

Risk Response Strategy

- Risk Response Preparation

New features are available. Check them out.

SAP HR ANA SWFP LP PLAN... Planner Landing Page 1/1

Strategic Workforce Planning

Analysis

- Plans
- Risks
- Risk Response
- Adjusted Gap by Year
- Costs

Demand Plan

- Efficiency Gain
- Demand Plan
- Scenario Demand Plan by Year

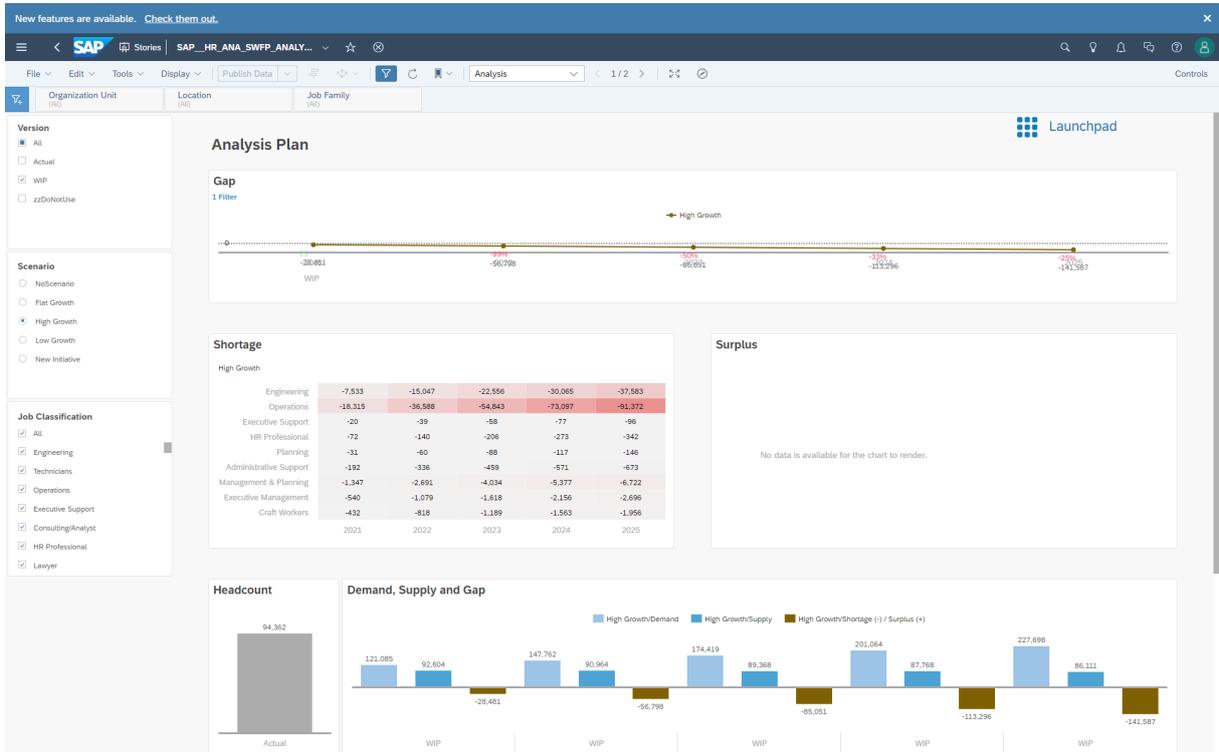
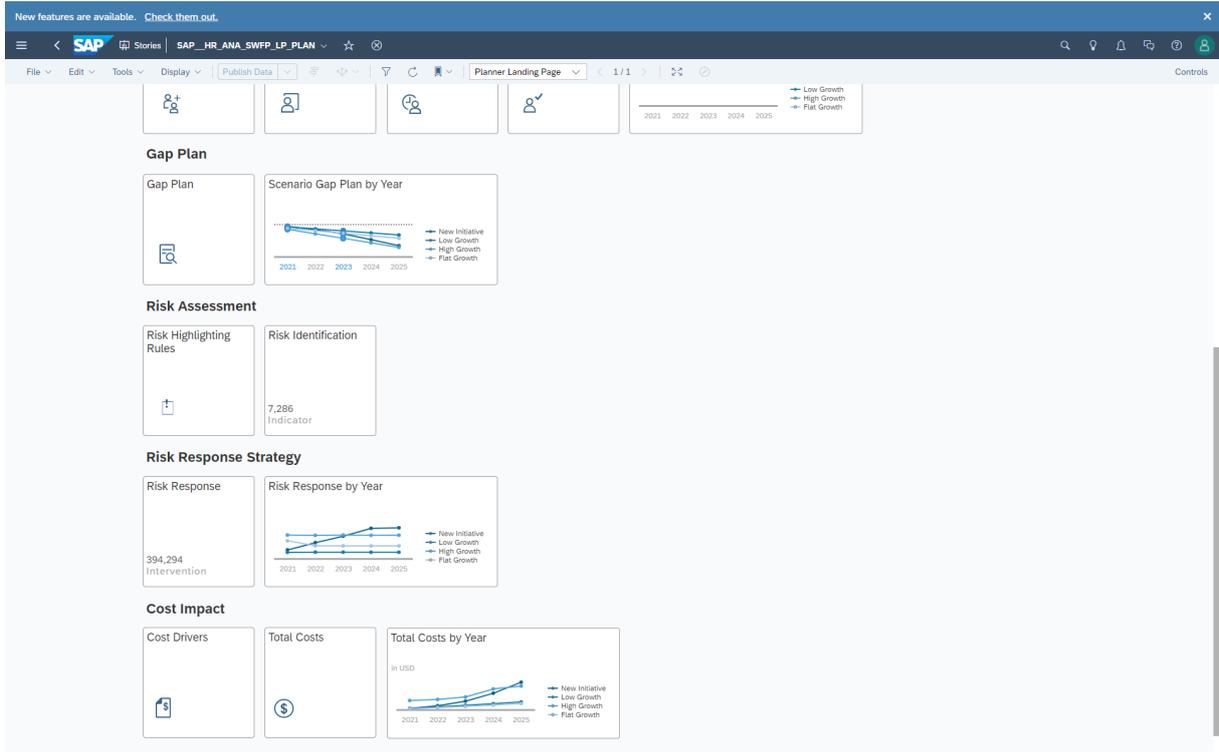
Supply Plan

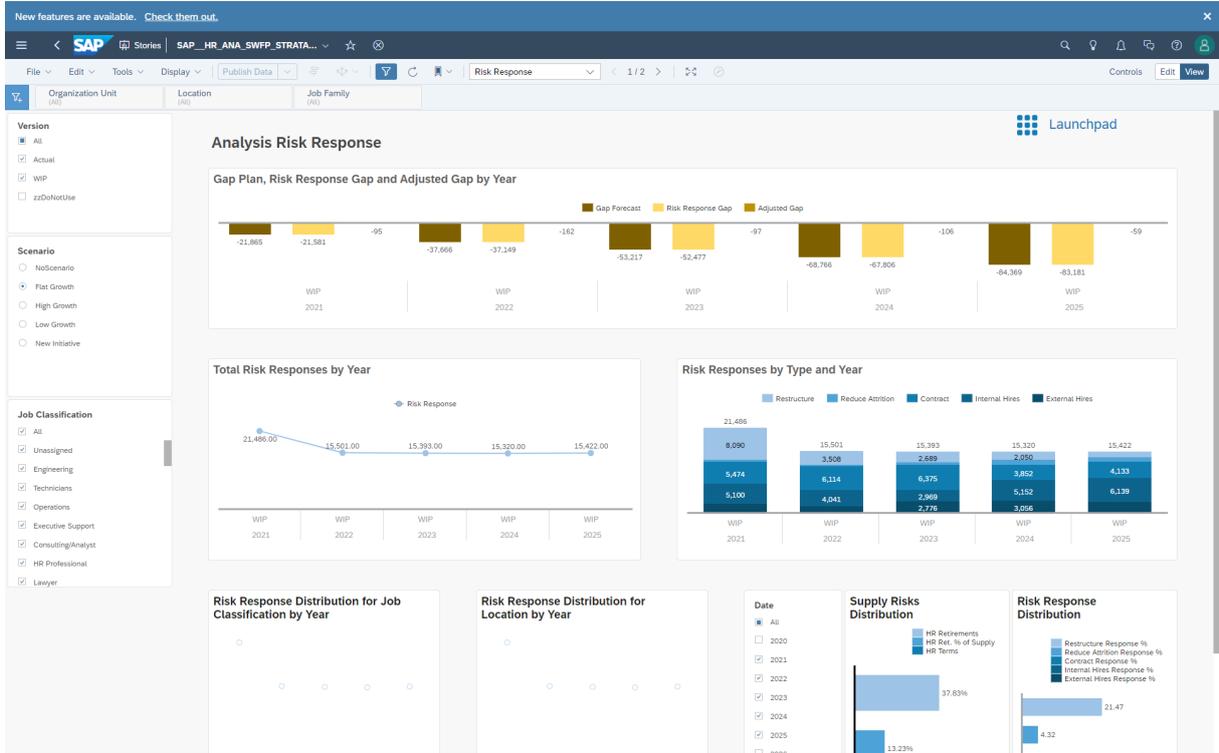
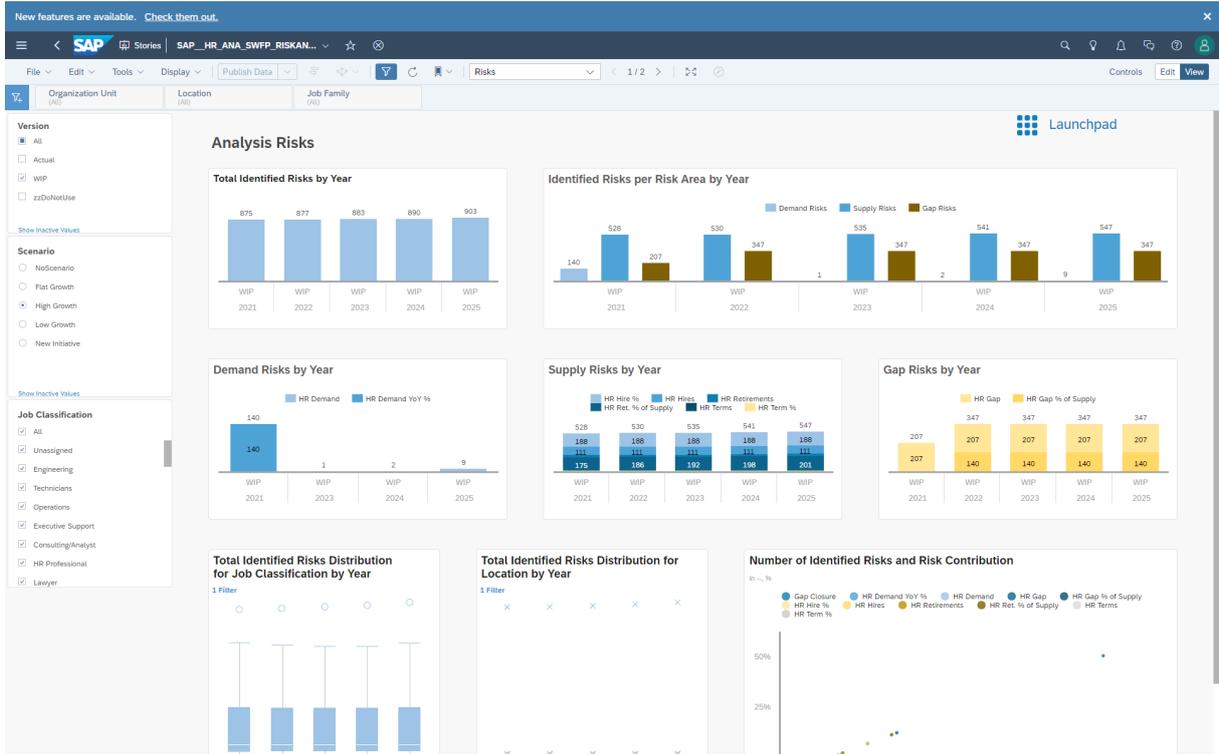
- Hire Plan
- Termination Plan
- Retirement Plan
- Supply Plan
- Scenario Supply Plan by Year

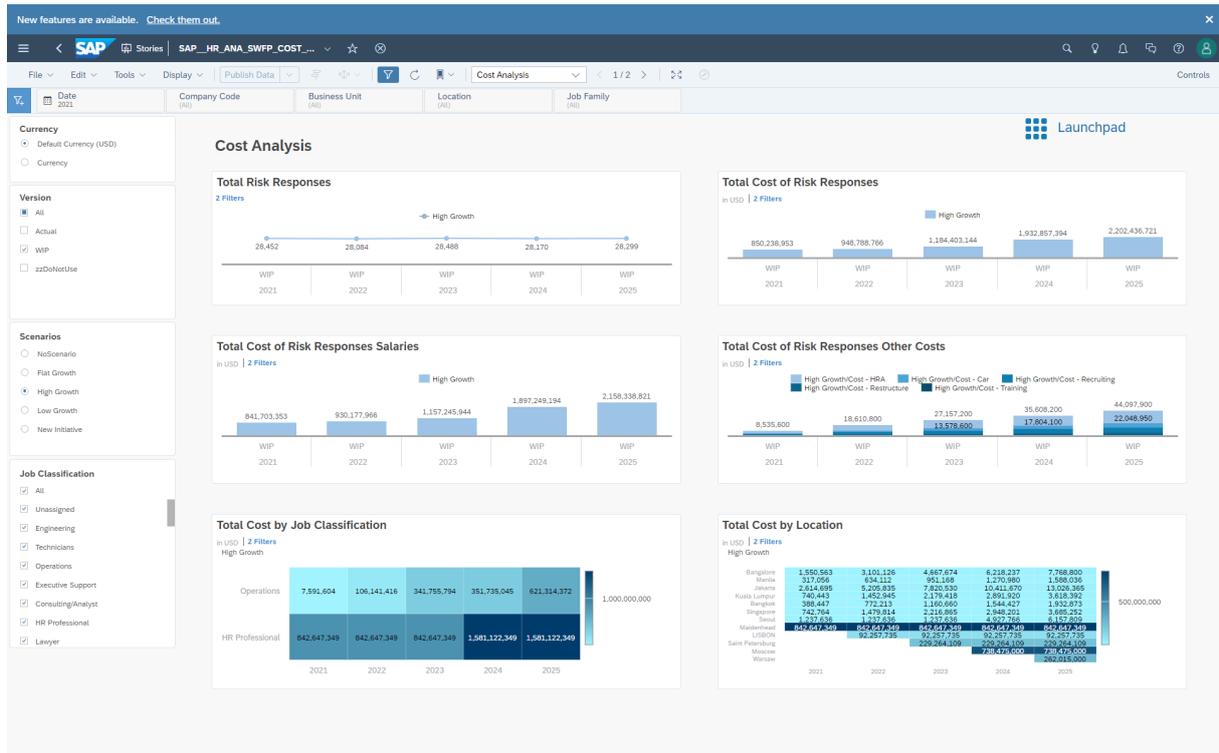
Gap Plan

- Gap Plan
- Scenario Gap Plan by Year

Risk Assessment

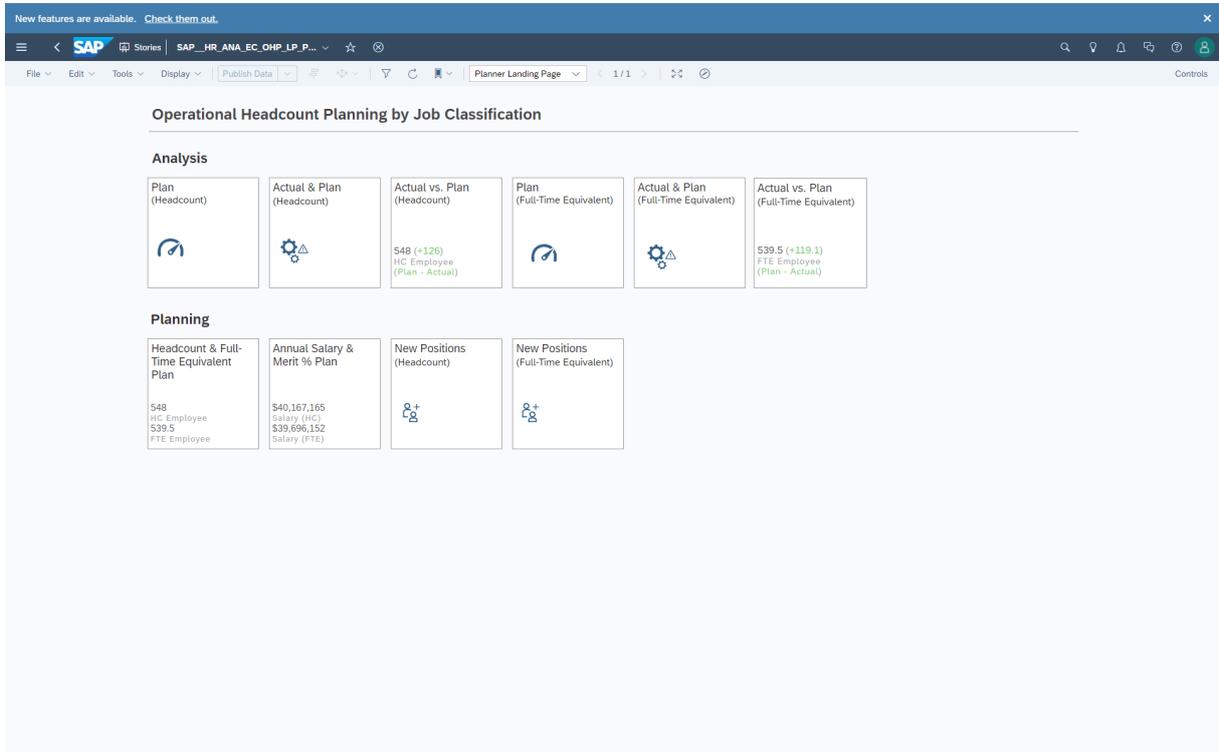
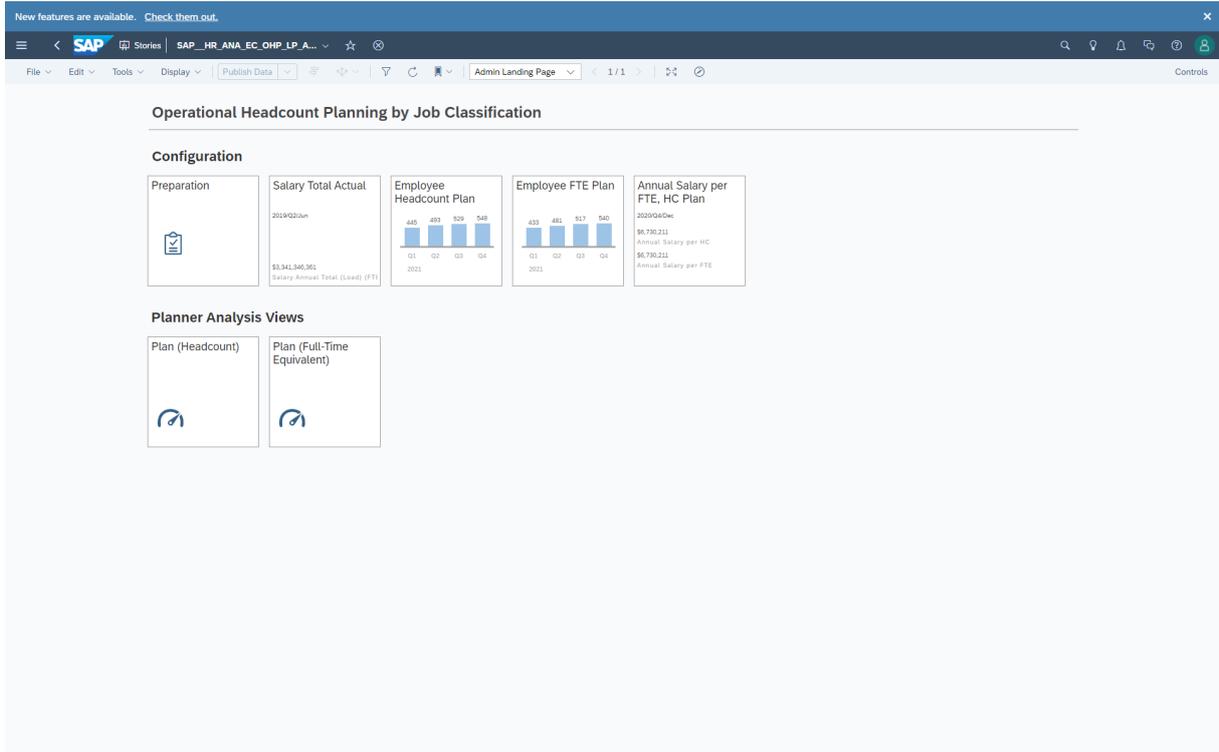


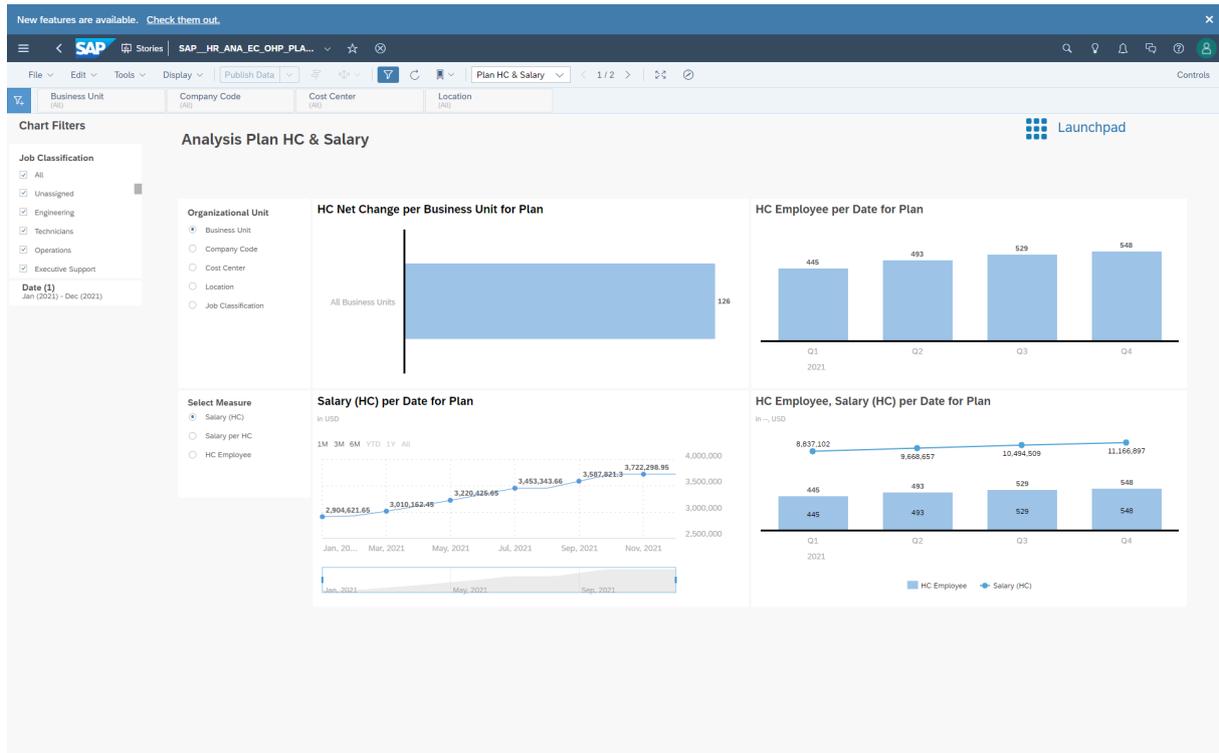




Operational Headcount Planning by Job

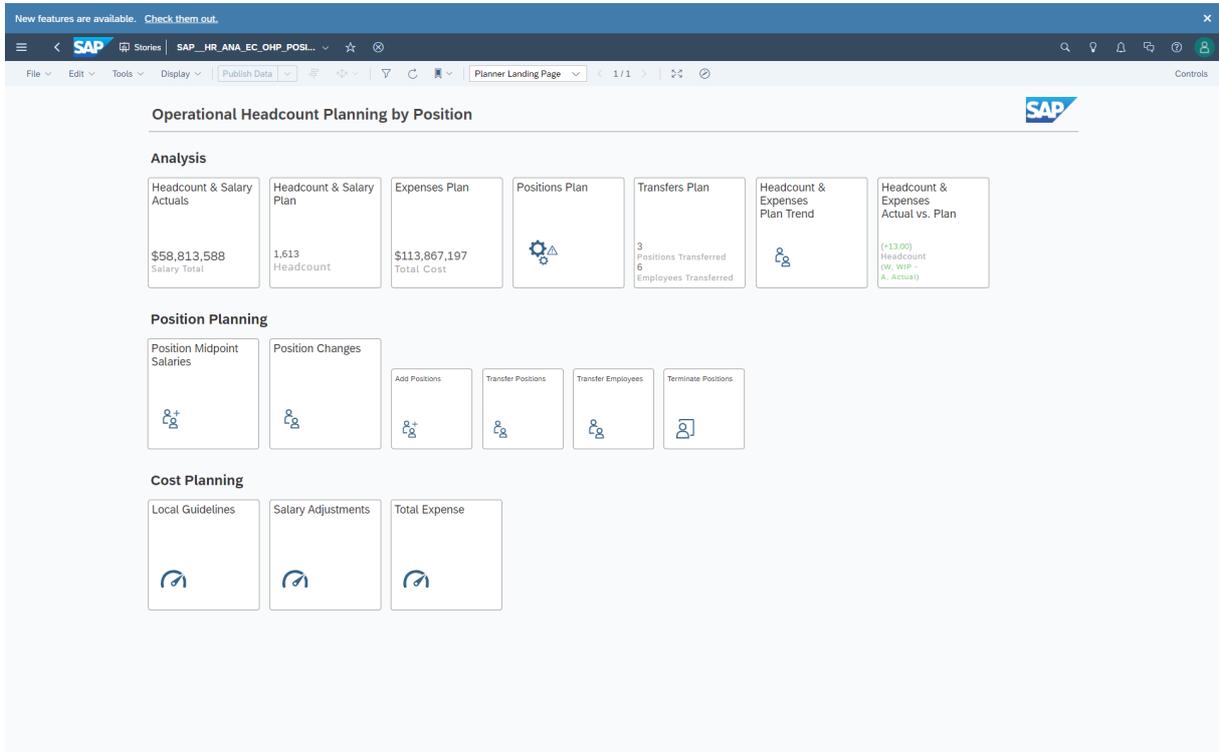
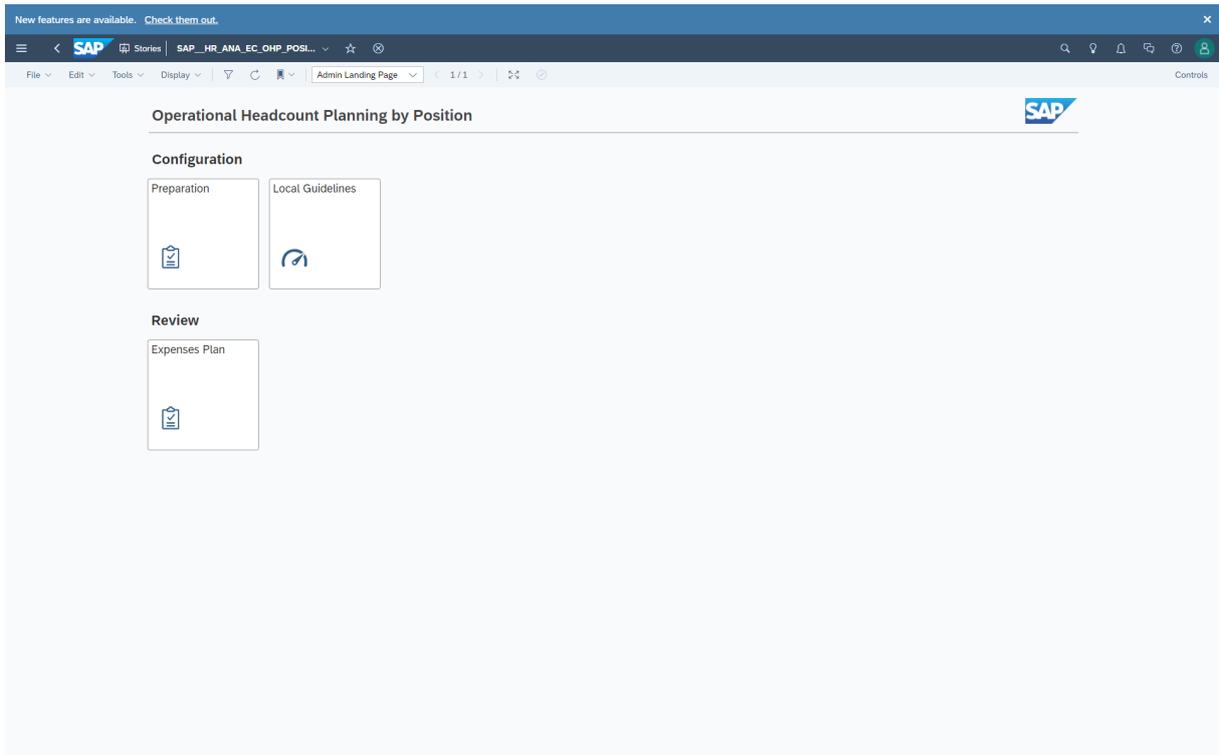
It covers the process of planning the headcount or full-time equivalents for a twelve months planning horizon. The planning is performed on a job classification level per organizational unit and allows for planning of hires, terminations, transfers-in and transfers-out. In a second step the salary and merit increase per job classification is planned. New positions (i.e. job classifications) together with annual salary can be created in specific locations for planning of new headcount and full-time equivalents. Comprehensive pre-built analytics stories support the planning activities. The solution is designed with planning administrator and planner roles in mind with role-specific launchpads.

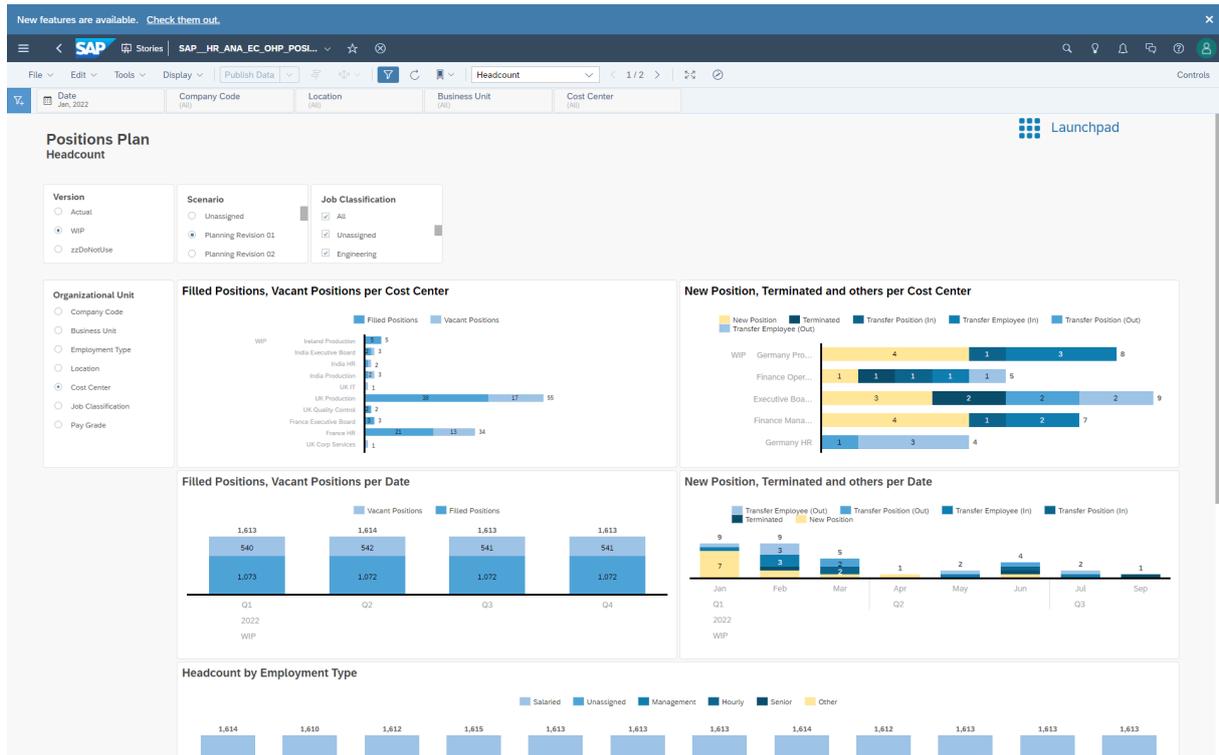




Operational Headcount Planning by Position

It covers the process of planning the headcount for a twelve months planning horizon. The planning is performed on a position level per organizational unit and allows for planning of new positions, position transfers, employee transfers and position terminations. In a second step the salary adjustments per position are planned. Local guidelines including merit and benefits are used to calculate total cost. Comprehensive pre-built analytics stories support the planning activities. The solution is designed with planning administrator and planner roles in mind with role-specific launchpads.





Data Connectivity

Based on SAP SuccessFactors Employee Central.

4.1.55 SAP SuccessFactors Visa and Permits Management

This package comprises of the stories mentioned below. You can navigate to the following links to learn more about each story.

- [Company Mismatch \[page 119\]](#)
- [Document Compliance \[page 119\]](#)
- [Document Monitoring \[page 120\]](#)
- [Request Monitoring \[page 121\]](#)
- [Processor Performance \[page 122\]](#)

4.1.55.1 Company Mismatch

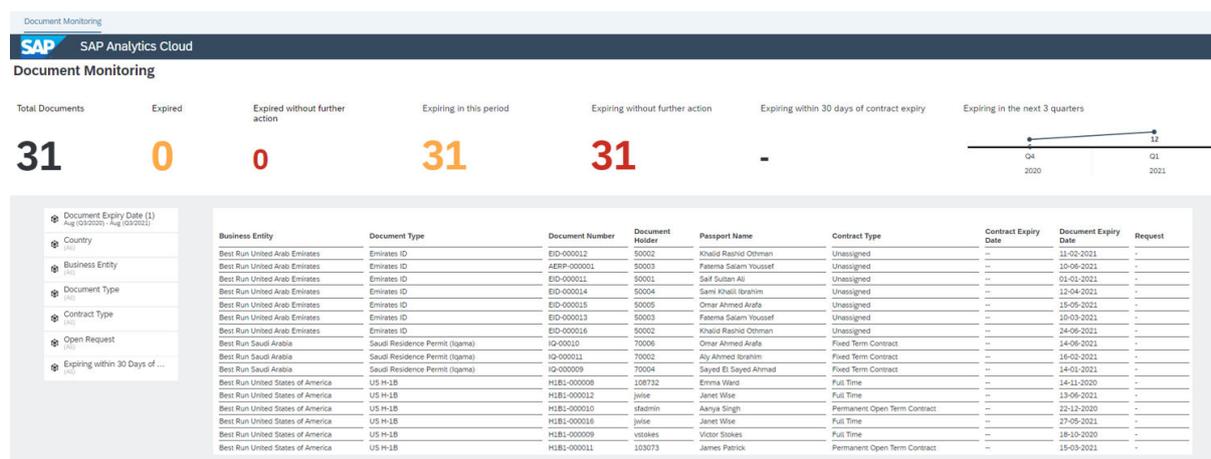
This story shows which and how many visa or permit documents issued for employees working in a company are different from the one legally registered at labor authority (sponsor).

Why is it important?

This is considered a non-compliance case in some countries.

Data Connectivity

Based on data acquisition from SAP SuccessFactors Visa and Permits Management combined with SAP SuccessFactors Employee Central data.



4.1.55.2 Document Compliance

This story shows which and how many visa or permit documents issued for employees having a job are different from the one legally registered at labor authority (legal profession) and what is the recommended Profession.

Why is it important?

It is considered a non-compliance case in some countries and recommendation should be followed to stay legally compliant.

Data Connectivity

Based on data acquisition from SAP SuccessFactors Visa and Permits Management combined with SAP SuccessFactors Employee Central data.

Company Mismatch

SAP Analytics Cloud

Company Mismatch

Mismatch

1

Country	Document Type	Document Number	Expiry Date	Holder ID	Document Holder	Business Entity	Company of Business Entity	Hiring Company	Business Entity of Hiring Company
United Arab Emirates	Emirates ID	EID-000007	04-02-2020	50005	Omar Ahmed Arafa	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000005	14-05-2019	50003	Fatema Salam Youssef	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000012	11-02-2021	50002	Khalid Rashid Othman	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000010	20-05-2020	50001	Saif Sultan Ali	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000006	15-01-2020	50002	Khalid Rashid Othman	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	AERP-000001	10-06-2021	50003	Fatema Salam Youssef	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000001	23-01-2019	50003	Fatimah Youssef	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000011	01-01-2021	50001	Saif Sultan Ali	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000014	12-04-2021	50004	Sami Khalil Ibrahim	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000009	14-04-2020	50003	Fatema Salam Youssef	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000008	10-03-2020	50001	Saif Sultan Ali	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000003	01-03-2019	50005	Omar Arafa	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000004	10-04-2019	50001	Saif Sultan Ali	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000015	15-05-2021	50005	Omar Ahmed Arafa	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000002	13-02-2019	50002	Khalid Rashid Othman	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000013	10-03-2021	50003	Fatema Salam Youssef	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
United Arab Emirates	Emirates ID	EID-000016	24-06-2021	50002	Khalid Rashid Othman	Best Run United Arab Emirates	6750	6750 BestRun United Arab E...	Best Run United Arab Emirates
Saudi Arabia	Saudi Residence Permit	IQ-00010	14-06-2021	70006	Omar Ahmed Arafa	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA
Saudi Arabia	Saudi Residence Permit	IQ-00012	12-05-2022	50001	Saif Sultan Ali	Best Run Saudi Arabia	6650	6750 BestRun United Arab E...	Best Run Company
Saudi Arabia	Saudi Residence Permit	IQ-000011	14-01-2019	70004	Sayed El Sayed Ahmad	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA
Saudi Arabia	Saudi Residence Permit	IQ-000011	16-02-2021	70002	Aly Ahmed Ibrahim	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA
Saudi Arabia	Saudi Residence Permit	IQ-000008	16-02-2020	70002	Aly Ahmed Ibrahim	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA
Saudi Arabia	Saudi Residence Permit	IQ-000006	13-07-2020	103230	Conrad Datar	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA
Saudi Arabia	Saudi Residence Permit	IQ-000004	13-03-2019	103230	Conrad Datar	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA
Saudi Arabia	Saudi Residence Permit	IQ-000007	14-02-2020	70006	Omar Ahmed Arafa	Best Run Saudi Arabia	6650	6650 BestRun Saudi Arabia	Best Run KSA

4.1.55.3 Document Monitoring

This story shows which and how many visa or permit documents:

- have already expired and if renewal or cancel action have been taken.
- are about to expire and if renewal or cancel action have been taken.
- are going to expire right before employee contract end date.

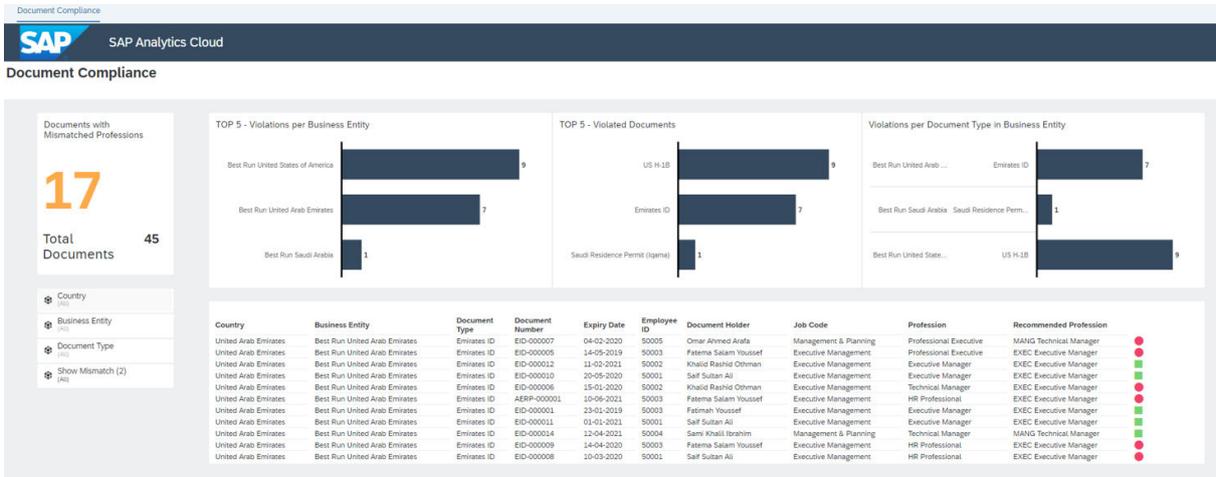
It also shows how many documents are going to expire in coming 3 quarters.

Why is it important?

Specific visa or permit documents left to expire without taking action is considered a non-compliance case in some countries so it should be monitored.

Data Connectivity

Based on data acquisition from SAP SuccessFactors Visa and Permits Management combined with SAP SuccessFactors Employee Central data.



4.1.55.4 Request Monitoring

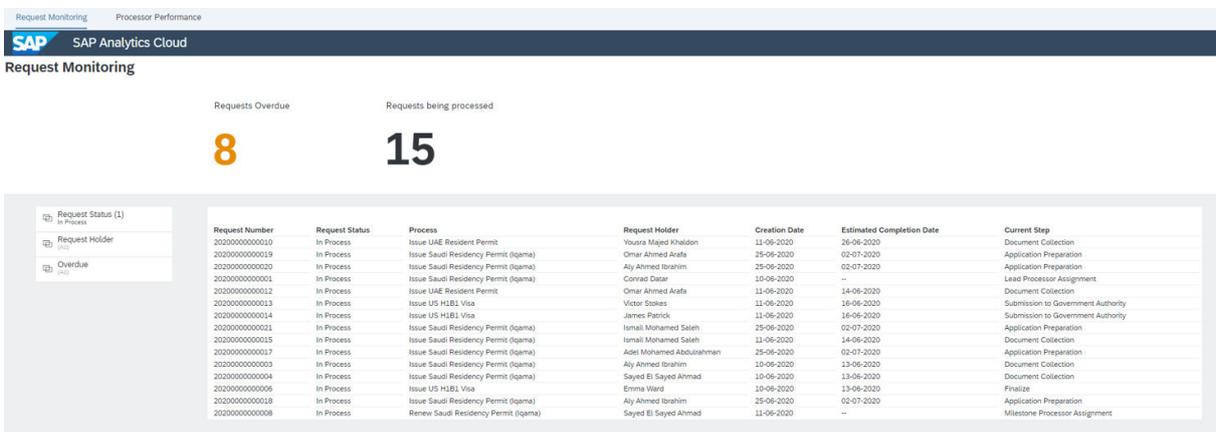
This story helps the Admin to have more insights into running visa or permit requests and know where they stand today and how many need attention.

Why is it important?

This helps Admin with info needed for process optimization.

Data Connectivity

Based on data acquisition from SAP SuccessFactors Visa and Permits Management.



4.1.55.5 Processor Performance

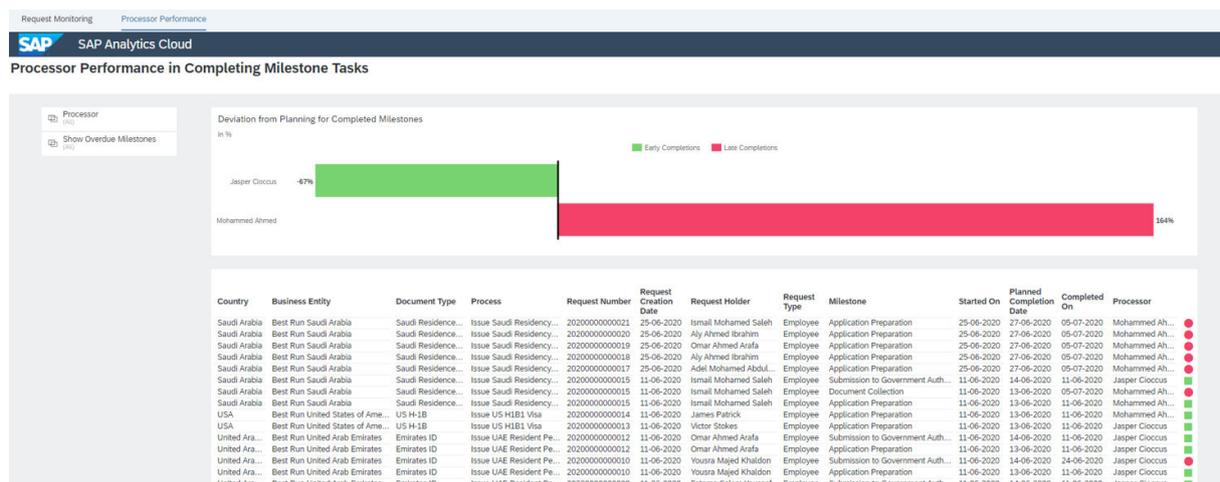
This story helps the Admin to have more visibility about how his team did perform in completing the visa or permit requests, who usually completes his tasks quickly and who finishes late.

Why is it important?

This helps Admin with info needed for process optimization.

Data Connectivity

Based on data acquisition from SAP SuccessFactors Visa and Permits Management.



4.1.56 SAP Supply Chain Management: Life Sciences Dashboard

Overview

The Life Sciences industry is currently at the center of everyone's attention. In a pandemic context it is more critical than ever that the supply chain supporting the industry works in a efficient way, guaranteeing maximum quality of supply in order to minimize risks, while at the same time keeping costs low.

This initial release of the content provides broad Supply Chain Management models as well as an inbound quality model, in order to support the Supply Chain for Life Sciences Scenario.

The data models are catered for further exploration and drill-downs into relevant dimensions and measures.

The Home page delivers relevant KPIs at a glance, while details within each area are available:

Inbound Quality: Analyze Inbound Deliveries together with Inspection lot quality metrics

Basic Inbound Scenario: Net Orders by Plant and Company Code

Purchase Orders: Get purchasing related information by material and purchasing group

Goods Movements: Analyze goods movement details and on-time deliveries

Manufacturing Orders: Get information on manufacturing metrics and dimensions

Sales Documents: Analyze sales by order value and quantity. Drill down to different dimensions such as material, material group or document date

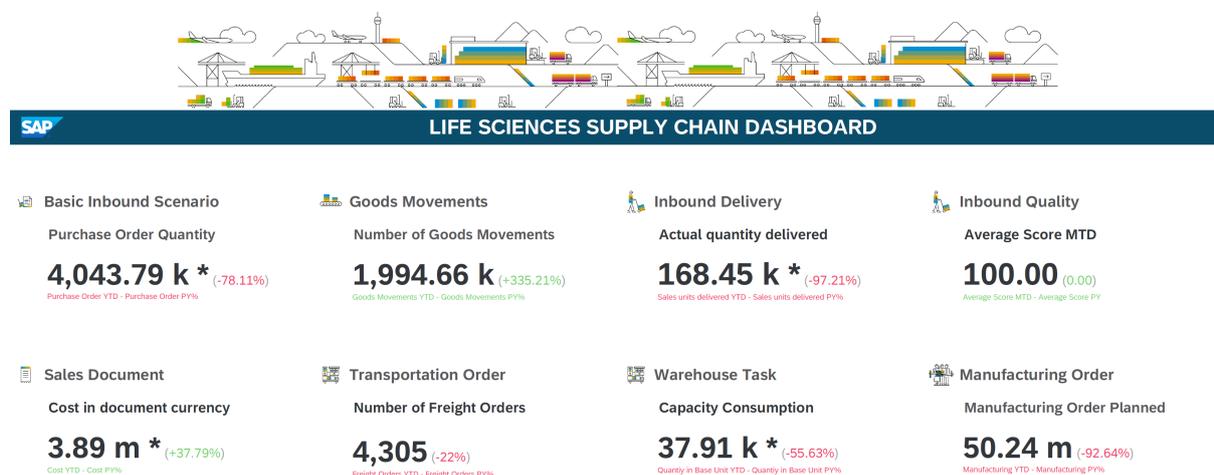
Transportation Orders: Find data related to transportation information such as distance traveled or freight orders

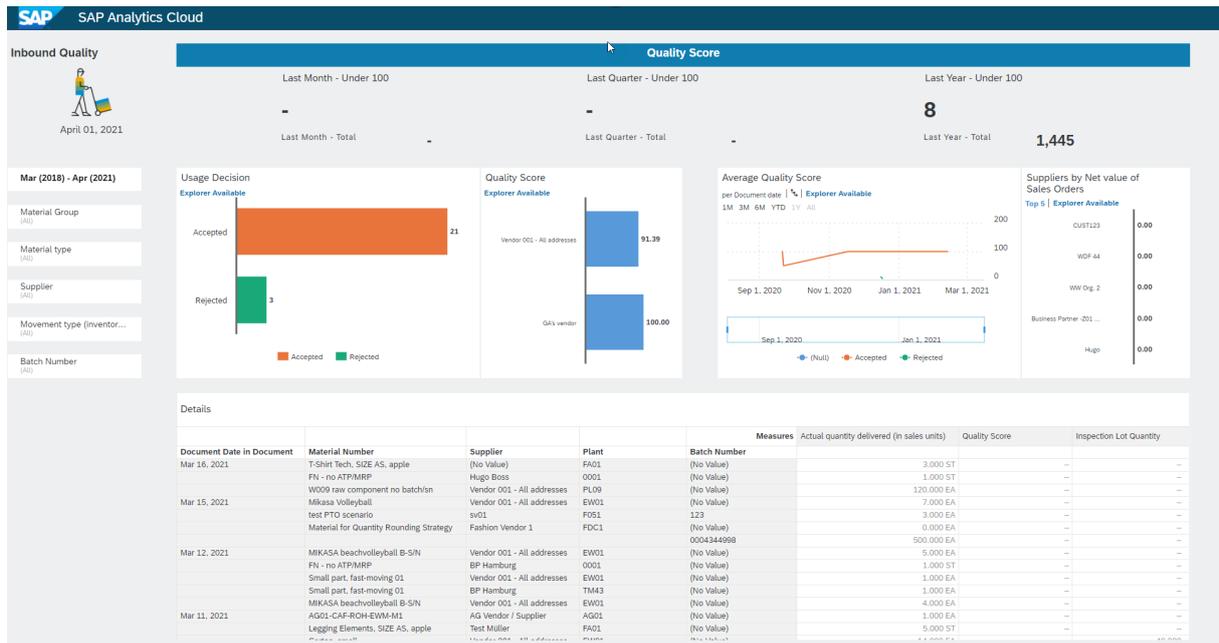
Warehouse Task: Analyze quantity and tasks per Warehouse, Product, Countries and other dimensions

Outbound Deliveries: Check the outbound delivery quantity and drill down to different dimensions such as plant, sold-to party or material group

Data Connectivity

Based on SAP Data Warehouse Cloud live connection (S/4 HANA on premise – CDS views / tables).





4.1.57 SAP Transportation Management Business Performance Dashboard

Over the last couple of years supply chains became more and more complex but in the same way the risk of instability and fragility increased as well. In addition to that, logistic time buffers which are fitting to such a high transportation density along various global networks, are still diminishing worldwide.

Results of such an evolution is a rising demand of transparency, traceability and steerability. This requires a mixture of KPIs covering and supporting a range from short- via mid- to long-term business decisions. Hence the definition of process accompanying KPIs various from real time availability with a continuous transition to Data Warehouse based ones. This holds true for any kind of market or business segment. Shipper of all industries like Retail, Wholesale, Hightech, Chemicals, Automotive and many more, as well as Logistic Service Providers like 2PL, 3PL and even 4PL facing similar analytical challenges.

Based on various direct customer feedbacks on KPI requirements, several major analytical target areas for SAC have been identified. The new SAC Story consists of 3 pages:

- Overview
- Execution and Block
- Transported Quantities

Prerequisites

Prerequisite for SAP Transportation Management Business Performance Dashboard - Version CI20 Release 2021.07 - is S/4HANA on-premise 2020 FPS 2.

CDS Views

Five basic released CDS views are used to build the SAP Analytics Cloud visualizations:

- TransportationOrderAnalytics
- TranspOrdItemAnalytics
- TranspOrdExecutionAnalytics
- TranspOrdStopAnalytics
- TranspOrdStageAnalytics

The package also contains objects, such as Code Lists and Texts, to allow a harmonized analysis.

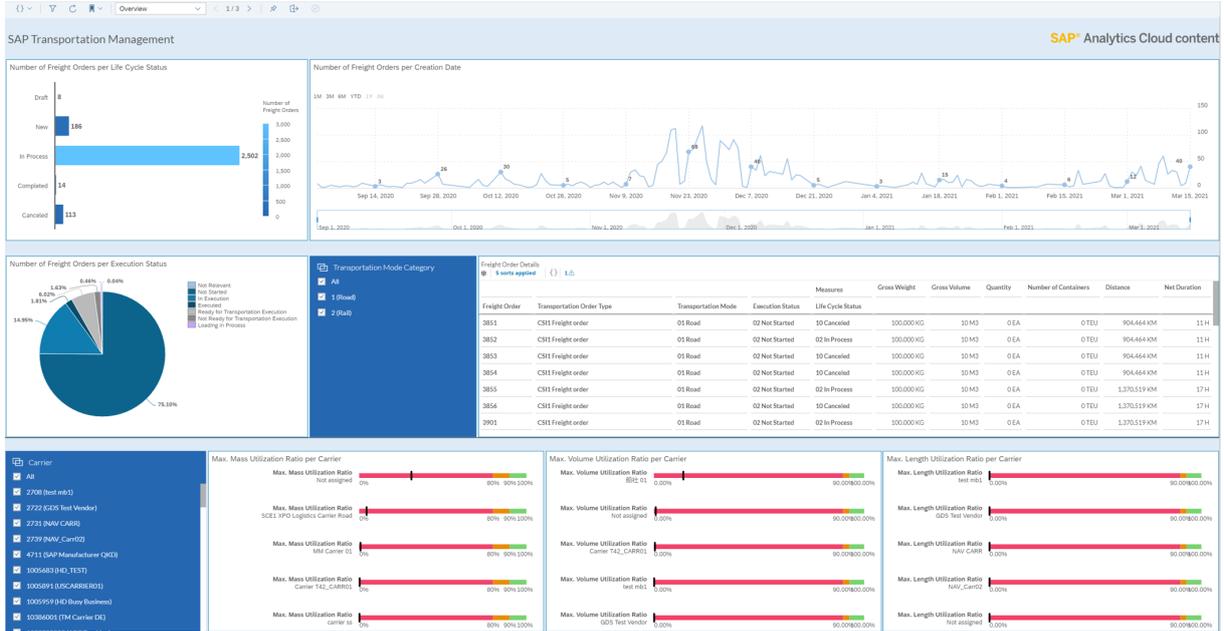
CDS Cubes and Queries

Story Page Name	View Name
Overview	- C_TranspOrdForBusDshbrdQ - I_TranspOrdForBusDshbrdC
Execution and Block	- C_TranspOrdBlockForBusDshbrdQ - I_TranspOrdBlockForBusDshbrdC - C_TranspOrdExecForBusDshbrdQ - I_TranspOrdExecForBusDshbrdC - C_TranspOrd2ForBusDshbrdQ
Transported Quantities	C_TranspOrdDetForBusDshbrdQ I_TranspOrdDetForBusDshbrdC

Overview

KPI	Details
Number of Freight Orders per Life Cycle Status	Number of Freight Orders with Life Cycle Status <ul style="list-style-type: none"> • Draft • New • In Process • Completed • Cancelled
Number of Freight Orders per Creation Date	Number of Freight Orders by Creation Date

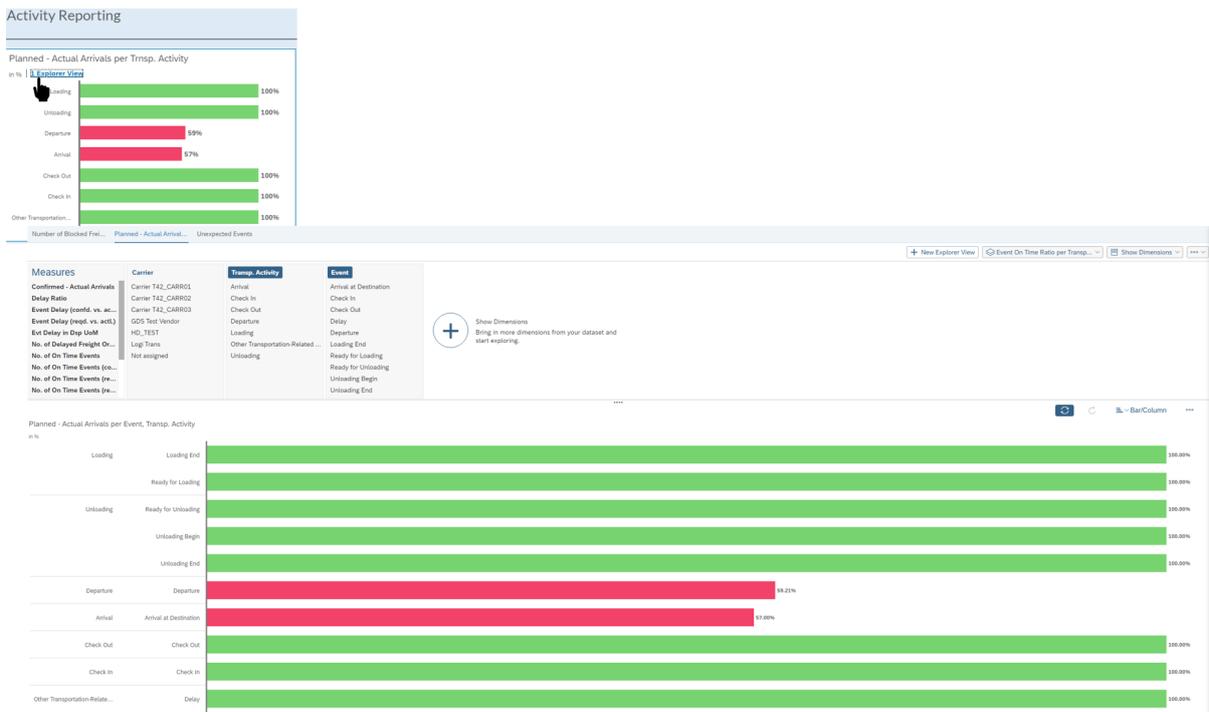
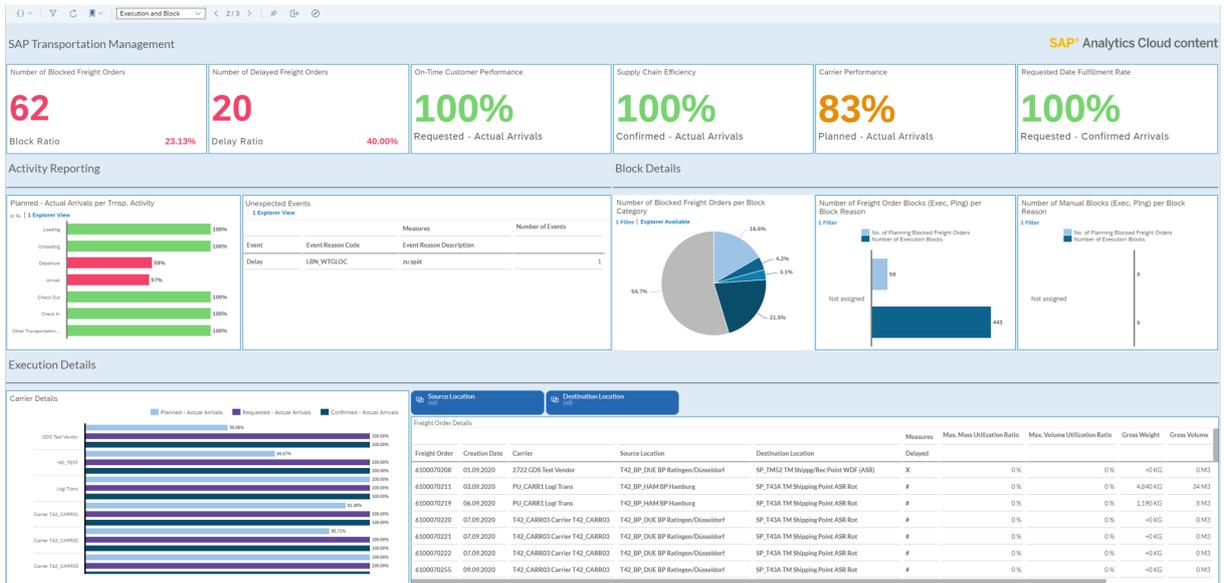
KPI	Details
Number of Freight Orders per Execution Status	Execution Status <ul style="list-style-type: none"> • Not relevant • Not started • In execution • Executed • Interrupted • Cancelled • Ready for Transport • Not ready for Transport • Loading in Process • Capacity Planning Finished
Freight Order Details	Table with Freight Order Details (Root Level): <ul style="list-style-type: none"> • Freight Order • Freight Order Type • Transportation Mode • Execution Status • Life Cycle Status • Weight • Volume • Quantity • Number of Containers • Distance • Duration
Filter by Carrier	AVG FO Max Utilization Mass Ratio % per Carrier
	AVG FO Max Utilization Volume Ratio % per Carrier
	AVG FO Max Utilization Length Ratio % per Carrier



Execution and Block

KPI	Details
Number of Blocked Freight Orders	Number of Freight Orders with Planning Block, Execution Block and/or Manual Block
Number of Delayed Freight Orders	Number of Freight Orders with Execution Status "Executed" (all Arrivals posted) with at least 1 delayed Arrival: Actual Arrival DateTime later than Planned Arrival DateTime
On-Time Customer Performance	For all Arrival Events of Freight Orders with Execution Status "Executed" the percentage of On-Time Arrivals is shown by comparing Requested DateTime to Actual DateTime
Supply Chain Efficiency	For all Arrival Events of Freight Orders with Execution Status "Executed" the percentage of On-Time Arrivals is shown by comparing Confirmed DateTime to Actual DateTime
Carrier Performance	For all Arrival Events of Freight Orders with Execution Status "Executed" the percentage of On-Time Arrivals is shown by comparing Planned DateTime to Actual DateTime
Requested Date Fulfillment Rate	For all Arrival Events of Freight Orders with Execution Status "Executed" the percentage of On-Time Arrivals is shown by comparing Requested DateTime to Confirmed DateTime
Planned – Actual Arrivals per Trnsp. Activity	For all Events of Freight Orders the percentage of On-Time Arrivals is shown by comparing Planned DateTime to Actual DateTime per Event Code
Unexpected Events	Number of Unexpected Events of Freight Orders per Event Code and Reason Code

KPI	Details
Number Of Freight Orders per Block Category	Number of Freight Order Blocks (only Planning, Execution, Manual Block) and Number of Blocks per Block Category
Number of Freight Orders Blocks (Exec, PIng) per Block Reason	Number of Freight Order Blocks (only Planning, Execution, Manual Block) and Number of Blocks per Block Reason
Number of Manual Blocks (Exec, PIng) per Block Reason	Number of Manual Freight Order Blocks and Number of Blocks per Block Reason
Carrier Details	Planned – Actual Arrivals Requested – Actual Arrivals Confirmed – Actual Arrivals
Freight Order Details (Root Level)	Freight Order Creation Date Carrier Source Location Destination Location Is Delayed Quantity Weight Volume Max Util Mass Ratio Max Util Vol Ratio Distance Duration



Transported Quantities

KPI

Details

Root Based

Filter by Creation Year Week and Measure Volume/Weight// Number of Containers/Quantity

Selected Measure in selected Creation Year Week per Creation Date

Item/Stop Based

Filter by Item Category, Item Type and Measure Weight/Volume/Quantity/Number of Containers/Number of Freight Orders

- Freight Order
- Transportation Order Item
- Transportation Order Item Description
- Item Source/Destination Location
- Item Weight
- Item Volume
- Item Number of Containers
- Item Quantity

Selected Measure in selected Item Category and Item Type

SAP Transportation Management SAP Analytics Cloud content

Creation Year Week

- All
- 36,2000
- 37,2000
- 38,2000
- 39,2000
- 40,2000
- 41,2000
- 42,2000
- 43,2000
- 44,2000

Select Measure...

- Gross Volume
- Gross Weight
- Number of Containers
- Quantity

Gross Volume per Creation Date

Item Quantity Details

Item Source Location

- All
- 0001 (loc-0001)
- 0005000001 (ECATT Gable-0)
- 0002 (Work-0002)
- 1 (SO-OT Test-5)
- 11 (11)
- 12 (loc-CPD-1)
- 2 (MEB Business Partner 06)
- 532 (MEB Business Partner 06)
- 753 (DC-1 FR Distribution Center)
- 74 (Work-0001)
- A (Distribution Center Frankfurt)

Item Destination Location

- All
- 0000000418 (TM Customer 0)
- 0000002943 (Test Customer Germany)
- 0002 (Work-0002)
- 0000000000 (Shipper)
- 12 (loc-CPD-1)
- 12 (loc-CPD-1)
- 2 (MEB Business Partner 06)
- 2 (MEB Business Partner 06)
- 32 (ITB food Company)
- 523 (MEB Business Partner 06)

Location Details

Freight Order	Item	Item Description	Item Source Location	Item Destination Location	Measures	Item Gross Weight	Item Gross Volume	Item Quantity	Item Containers Quantity
3852	50	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		100,000 KG		10 M3	0 TEU
	1000000	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		100,000 KG		10 M3	0 TEU
	1000001	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		0,000 KG		0 M3	0 TEU
3853	50	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		100,000 KG		10 M3	0 TEU
	1000000	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		100,000 KG		10 M3	0 TEU
	1000001	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		0,000 KG		0 M3	0 TEU
3854	50	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		100,000 KG		10 M3	0 TEU
	1000000	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		100,000 KG		10 M3	0 TEU
	1000001	#	Chicago Bakeries Inc.	Leberemittelgroßhandlung Meyer		0,000 KG		0 M3	0 TEU

Item Category

- All
- Auxiliary Packaging Material
- Vehicle Resource
- Component
- Driver
- Package
- Product
- Positive Vehicle Resource
- Shipment
- Service
- Container

Item Type

- All
- Auxiliary Packaging Material
- Container
- Container
- Delivery
- NET1
- S-ON-SIMONE Pipeline
- Package
- Product
- Service
- O Product
- Trailer
- Not assigned

New Measure Input Cont...

- Item Gross Weight
- Item Gross Volume
- Item Quantity
- Item Containers Quantity
- Number of Freight Orders

Quantities per Item Category and Item Type

4.1.58 SAP Qualtrics - Survey Distribution Analysis

General Remarks

The integration of “X” (experience) data with both operational and analytical data provides the holistic view that customer-focused enterprises require to steer their business. SAP Qualtrics delivers this data, by offering capabilities to create, run and evaluate survey results.

The surveys need to be closely monitored to ensure a clear status, efficient running and high response rates. This content package offers all necessary analytics to optimize SAP Qualtrics' surveys.

Survey Overview

At one glance, learn the current state of your surveys: How many individuals have you reached out to, how many of them have started or even completed their survey already? Analyze the time trend of the responses and use the built-in smartness to gain additional insights.

Distribution Channel and Audience

Analyze and compare performance of your surveys distributed through different channels like email, SMS, social media or wearables. Understand survey reach for your audience and analyse audience response by address domain.

Response Performance

Derive valuable insights into the response behavior of your target group such as:

- Which day of the week has most responses?
- Decide a good point in time to close your survey using predictive forecasting
- Through smart insights understand the key influencers behind your survey responses

Data Connectivity

File upload from Qualtrics.



4.1.59 SAP Qualtrics Touchpoint NPS (T-NPS)

Here you can find the important highlights of the **SAP Qualtrics Touchpoint NPS (T-NPS)** in Sales and Service for CI 16 release.

Overview

Get total overview of your Sales and Service operational KPIs like revenue won, tickets created and more along with experience metrics Customer Satisfaction Score and NPS. All KPIs can be analyzed for a selection of customers. Smart features like forecasting, grouping and insights will further augment your analysis.

Touchpoint NPS

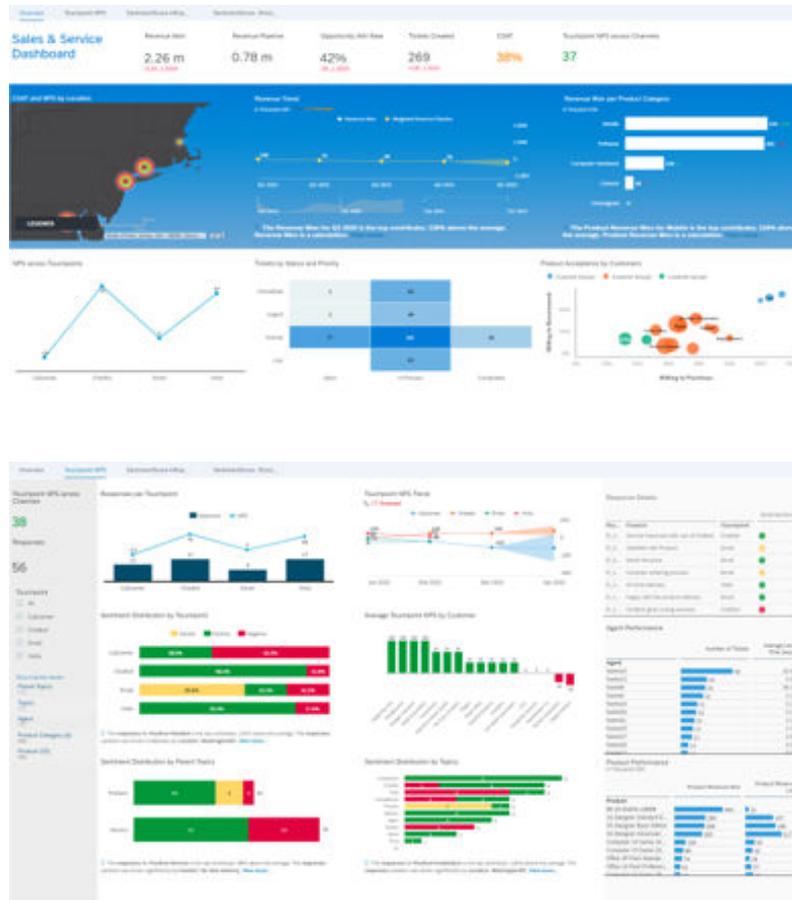
Get into the details of NPS per Touchpoint channel with predictive trends. The sentiments, topics, parent topics associated with responses can be analyzed here and one to drill into the level of individual responses. All this can be grouped by associated customer so you can also see the correlation between NPS (or Touchpoint) and agents/products.

Sentiment Score Debriefing

Take advantage of SAP Analytics Cloud's Smart Discovery feature to get a total debriefing of sentiment score e.g. key influencers and suggested visualizations. In the Simulations section, it is possible to simulate different scenarios by varying the values of different influencers.

Data Connectivity

Based on data acquisition connectivity to C4C Sales, C4C Service and Qualtrics.



4.1.60 SAP UI Logging

Overview

UI logging is an add-on product provided by IBSO for on-premise. The legal ground for logging is to detect any data leakage by employees of a company: it reports the data being displayed to and entered by users in an SAP application and provides tools for analyzing logs to find any data abuse.

SAP Analytics Cloud (SAC) includes a tool for the Data Protection Officer (DPO) that allows him to analyze log data from an on-premise system.

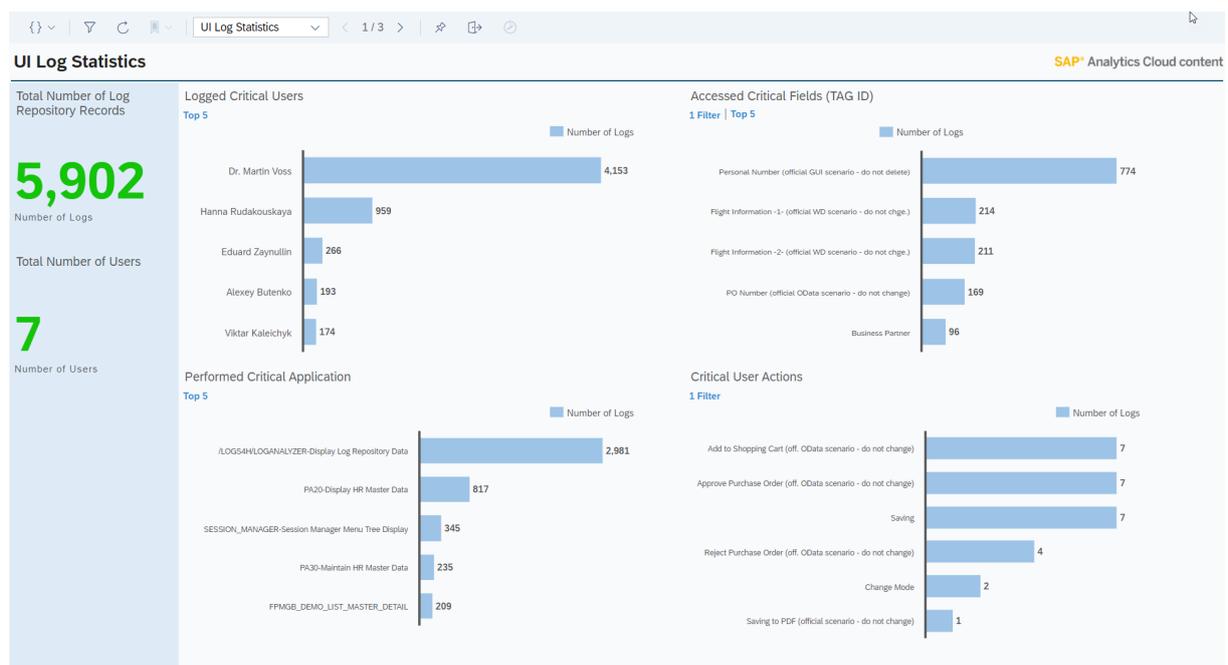
UI Logging Story

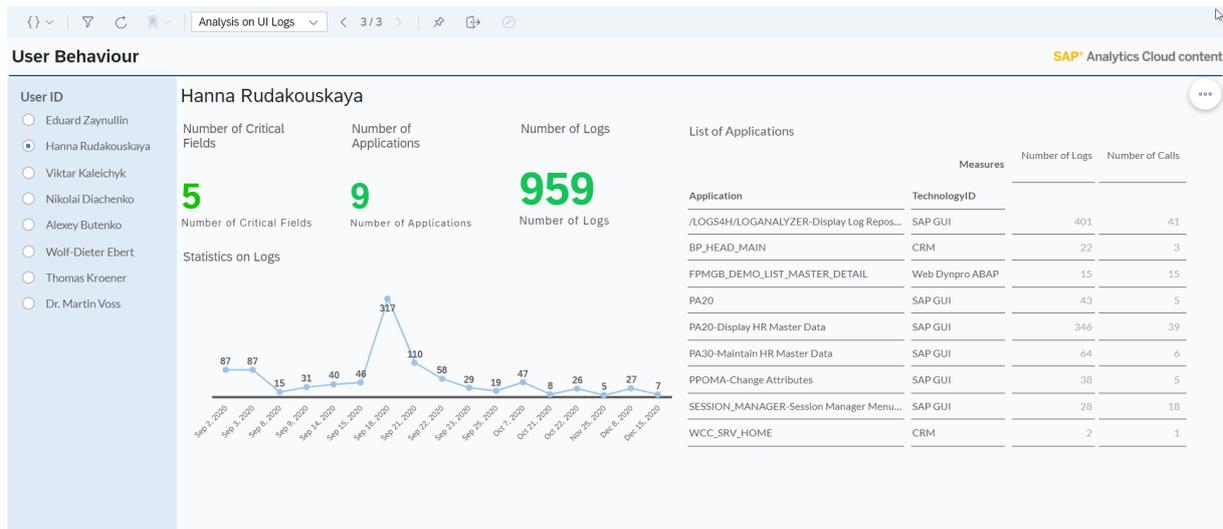
UI Logging story consist of three pages: UI Log Statistics, User Statistics, and in Analysis on UI Logs.

- In **UI Log Statistics** the most important log parameters such as **Critical Users**, **Critical Applications**, **Critical Fields** are displayed.
- **User Statistics** shows the users and the number of accessed critical fields, the number of called applications, and the number of logs created.
- In **Analysis on UI Logs**, a list of users is displayed with its parameters such as number of logs or applications. By selecting the user, the system navigates you to the user behavior (time distribution of logs and called applications).

Data Connectivity

Based on CDS View from S/4 HANA system.





4.1.61 Solution Manager IT Service Management – Incident Analytics

Overview

An overview of all incidents handled by IT service desk, like how many incidents are created and closed recently, focus on currently open incidents with detailed views like per category, priority, status, support team, to ensure issues are handled properly.

Trend Analysis

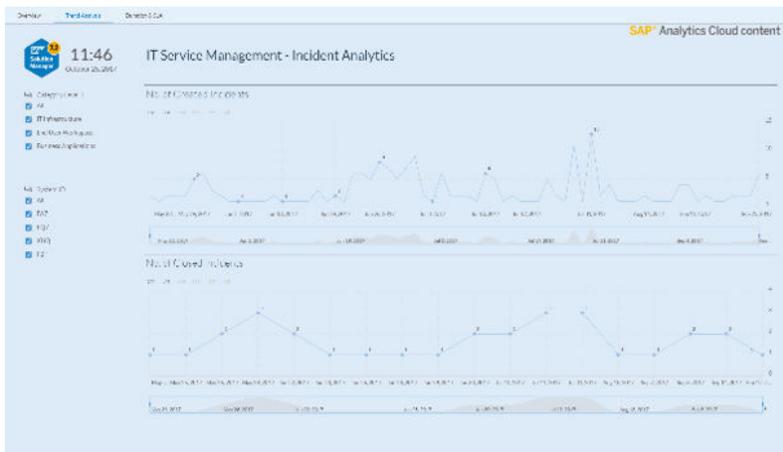
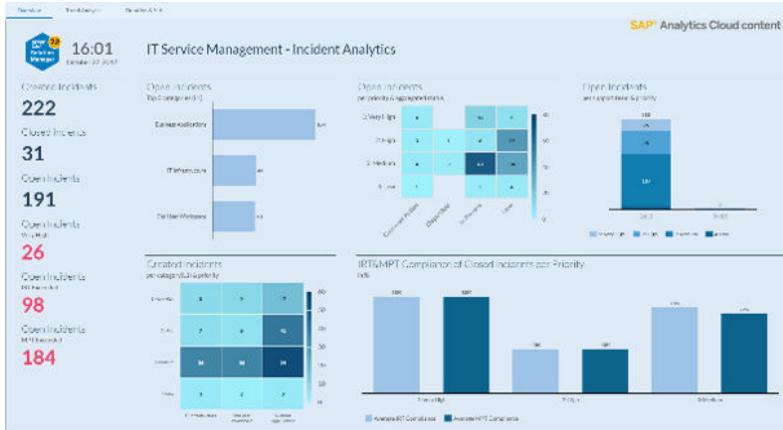
Trend of incident volume (incoming, closed)

Duration and SLA

Detailed analysis of closed incidents in their solving process, like IRT (Initial Response Time), processing time, duration and SLA adherence.

Data Connectivity

Based on BEx query in SAP Solution Manager (7.2 SP06 onwards).



4.1.62 Solution Manager Test Suite Analytics

General

A new dashboard SAP Solution Manager Test Suite Analytics is provided. It enables test managers monitor and analyze testing execution status managed by the test suite in their on-premise SAP Solution Manager. It delivers an overview of current situation as well as historical progress of test plan/case execution, e.g. number of test cases (total/open/errors), coverage & OK rate, so that test managers can take actions to ensure a successful testing phase.

Current Overview

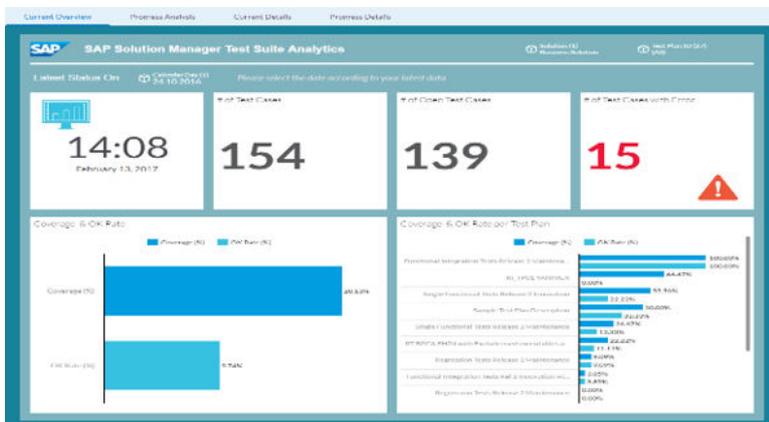
Latest status of current testing, including number of test cases in total, number of open test cases, and number of error test cases, as well as coverage and OK rate, which are the most important KPIs for measuring test result.

Progress Analysis

Historical progress of testing on a daily basis, including absolute numbers of test cases per different status, and coverage & OK rate.

Data Connectivity

Based on BEx query in SAP Solution Manager (7.2 SP03 onwards).



4.1.63 Statistical Process Control (SPC) Toolkit

Overview

Statistical Process Control (SPC) is a methodology used in manufacturing (stability, quality, reliability) to prevent defects. However, the SPC tools can be easily applied to a much wider range of business processes and even beyond: from the sequence of items in a batch to the collection of purchase orders.

Control Chart

The control chart is a graph that allows the analysis of how a process changes over time and helps identify situations when the process does not behave as it should ('Out-of-control signals').

Nelson Rules

Nelson rules are a statistical method widely used for process control for determining if a given measured variable is out of control (unpredictable versus consistent).

Data Connectivity

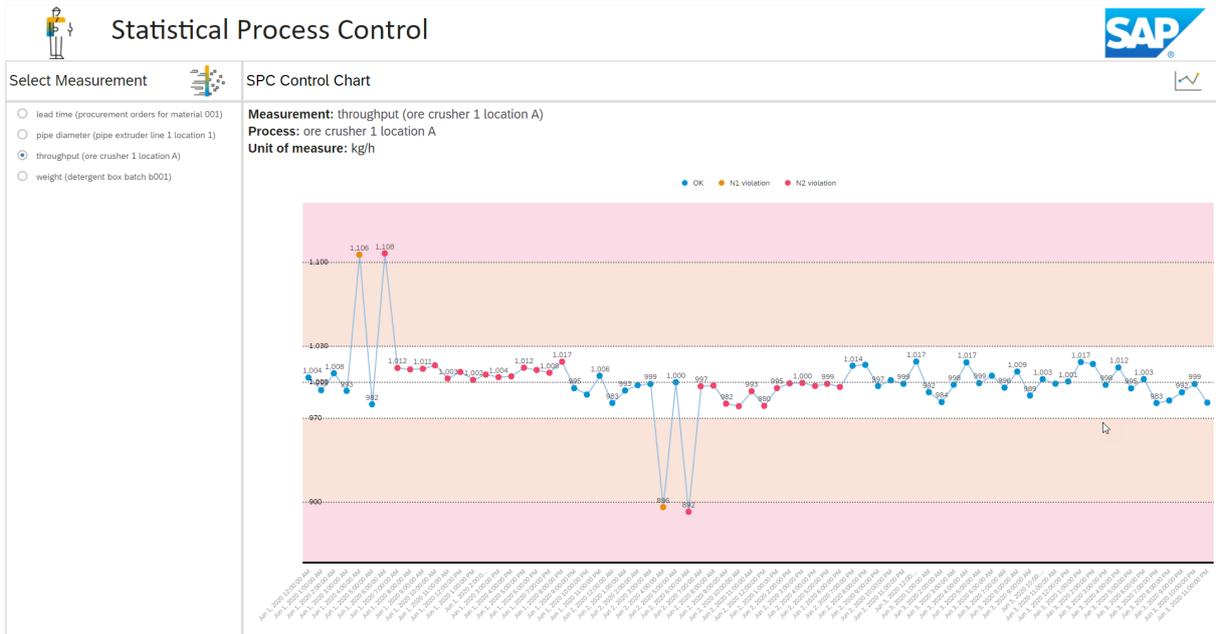
The DWC SPC package is built on top of 4 source views containing measurements, expected measurement limits and descriptive information. These 4 views can be connected to either live data or local data.

 Statistical Process Control - Introduction



Statistical Process Control - SPC is a methodology used in manufacturing (stability, quality, reliability) to ultimately prevent defects, and is typically either implemented in specialised software or used on top of a low-level software layer such as excel. However, the SPC tools can be easily applied to a much wider range of business processes and even beyond, to things like the sequence of items in a batch or a collection of purchase orders. Some analytical tools offer SPC capabilities out of the box and we have encountered the same requirement in different SAP customers.

The content package described here aims to provide a generic toolkit to simplify, accelerate and standardize implementations of SPC (control charts, nelson rules) on Data Warehouse Cloud. At a high level, this is achieved by combining all relevant data sources - measurements and master data describing them and enabling self-service SPC analyses on the combined data set.



4.1.64 Supply Base Optimization

Overall Transparency

360 degree overview of spend and savings summary based on various dimensions such as negotiation project, commodity group, supply base manager, quarter, supplier, and manufacturer.

Deep Insights

Analytics with real time data helps in better understanding of spend and savings from the various viewpoints. The visual representation makes data analysis and comparison easy which in turn enables supply base managers and directors make informed decisions without any delay.

User Experience

Fitting visualizations and context information with slicing and dicing capabilities.

Decision Making Made Easy

As a result, effective and efficient analysis of data that leads to better negotiation with suppliers.

Data Connectivity

Based on HANA Live Connection to SAP Supply Base Optimization application.



4.1.65 Supply Chain Management – Extended Service Parts Planning

Raw Demand and History / Forecasting Key Figures and Comparison

The purpose of the package is to determine the required inventory levels at the distribution centers of the supply network in order to meet the target service levels and to plan the procurement of the service parts from external suppliers and their replenishment within the supply network.

The SAP Analytics Cloud stories provides an overview of Extended Service Parts Planning (eSPP) demand history and the resulting forecasting.

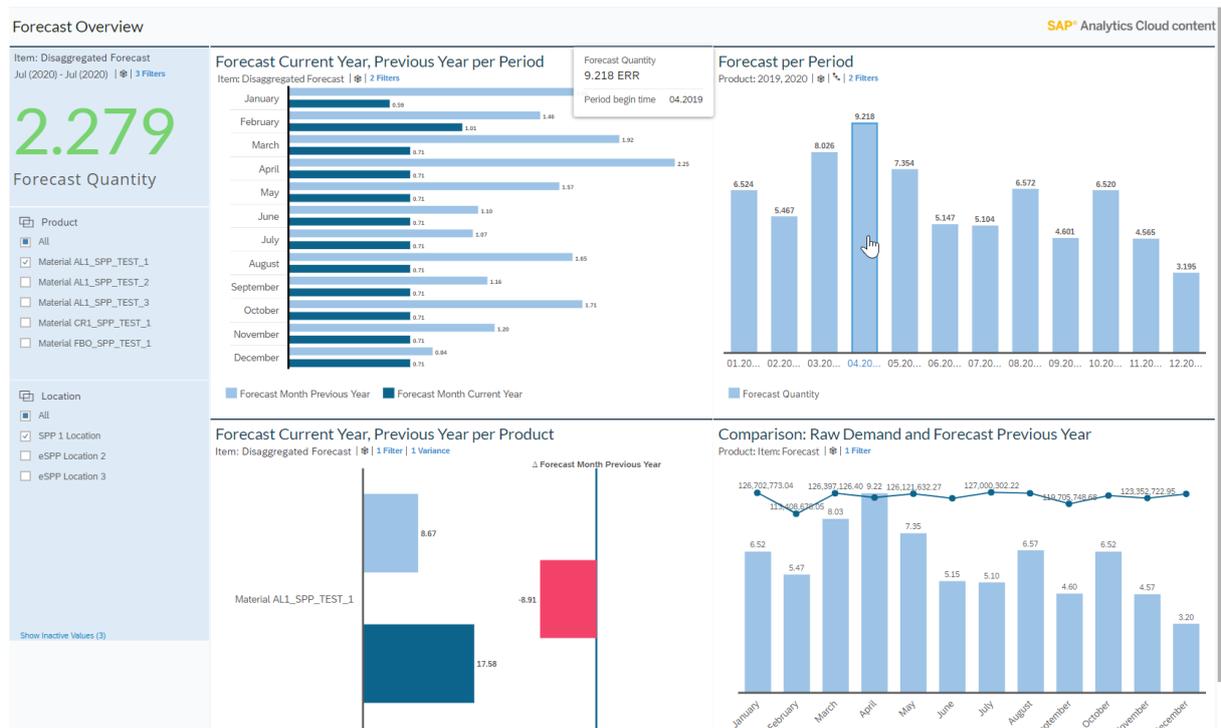
The demand history forms the basis for the forecast and for further planning processes. It exists at location product level and is aggregated along with the bill of distribution in the time granularity of the forecast periodicity.

The demand history exists in scaled form and provides the basis for forecasting.

The monthly forecast story includes various forecasting key figures and a comparison of last year's forecast and raw demand quantities based on the demand history. The key figures are easily comparable and support eSPP planners in choosing effective planning parameters and meeting the service levels.

Data Connectivity

Based on live data connection to SAP Supply Chain Management - Service Parts Planning Application.





4.1.66 Travel & Expense - Concur

Expense KPIs

Travel expense actuals year-to-date and delta compared to budget and previous years. Drill-down by business area and country. KPIs such as due payments, credit card adoption rate and average report expenses. Visualization of budget consumption thresholds. [New:] Detailed analysis of average days between Report Process Steps such as trip start to report creation, to submission to payment, Flexible visualization of top reports with max days between different process steps.

Expense Analysis

Detailed break-down and filtering of expenses by multiple dimensions such as program/project, business area, spend categories, payment type, vendor or time of transaction. Ability to set KPI thresholds.

Predictive forecast in time series chart for expenses. Insights based on approval status and exceptions, average & total amounts claimed vs. approved. Top spenders and reports including all related expense report entries.

Dynamic Visualizations

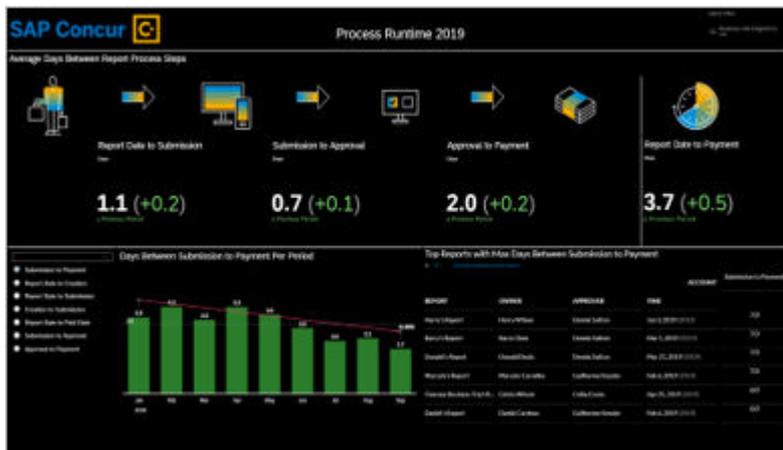
Responsive dashboard pages with flexible dynamic time range filter and enhanced data slicing using Period range slider. Built-in currency conversion and flexible visualization of multiple currencies in all charts. Multiple device support for iPhone and iPad that can be used with the SAP Analytics Cloud iOS app.

Expense Planning

Expense Budget Planning on program/project hierarchies with budget distribution capabilities and tracking of actual-budget deviations. Additional threshold visualization.

Data Connectivity

Based on SAP Concur connector with data acquisition. Can be reconnected to other Concur tenant.



4.1.67 Treasury Management for SAP S/4HANA Cloud (SAP Best Practices)

The Treasury Executive Dashboard visualizes real-time insights into treasury operations for treasury executives and includes key performance indicators, such as liquidity, cash position, bank relationship, debt volume and structure, counterparty limits, volume of bank guarantees, and market trends.

The presented data are from all Treasury-relevant application areas, such as Cash and Liquidity Management, Treasury and Risk Management, and Financial Accounting.

The Treasury Executive Dashboard consists of the following tabs:

- **Liquidity:** Shows the historical and current liquidity as KPI and analyzed by different attributes, such as regions, company codes, financial position groups, financial positions, and currency.
- **Bank Relationship:** Shows the overview/detail of banks/bank groups and incoming/outgoing payments of banks/bank groups/liquidity and bank fees, as well as Amount of fin. Transactions and Fee of Transactions.
- **Cash Management:** Shows your cash position forecast, mid-term liquidity forecast, as well as actual cash flows.
- **Indebtedness:** Monitor KPIs related to the debt of your company and analyzed by different attributes.
- **Counterparty Risk:** Get the overview on the limit utilization and free limits of a specific limit type by counterparty and counterparty ratings.
- **Market Risk:** Get the overview on the limit utilization and free limits of a specific limit type by counterparty and counterparty ratings.
- **Bank Guarantee:** Get an overview of the volume and average fee rate of bank guarantees.
- **Market Overview:** Shows the trend for different market rates as KPIs and analyzed by different attributes.

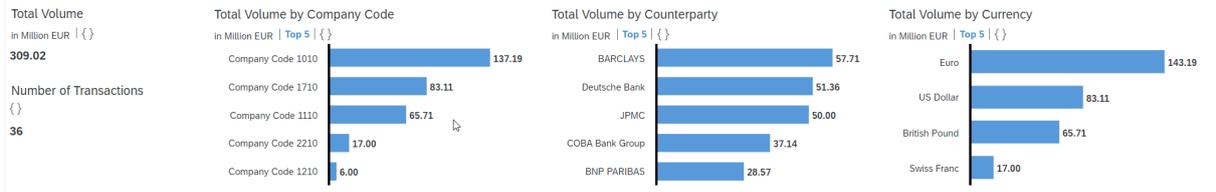
Business Benefits

- Enables Treasury Executives to get real-time insights into treasury operations.
- Enables Treasury Executives to get at a glance of the biggest risks and opportunities in Treasury Management
- Enables Treasury Executives to analyze the trends of key performance indicators.

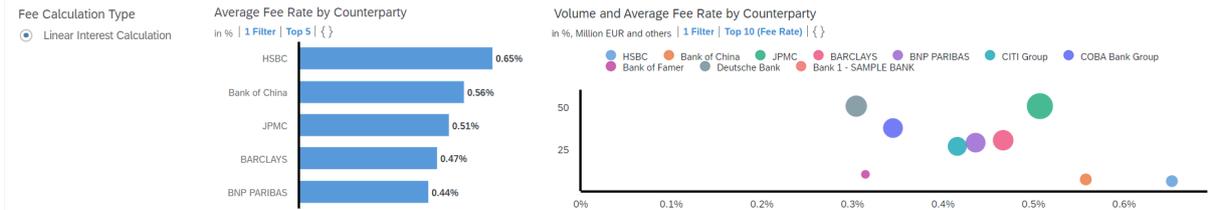
Data Connectivity

Based on data acquisition from CDS views that are designed in SAP S/4HANA Cloud for Treasury Management. Content is delivered with the scope item [49P](#).

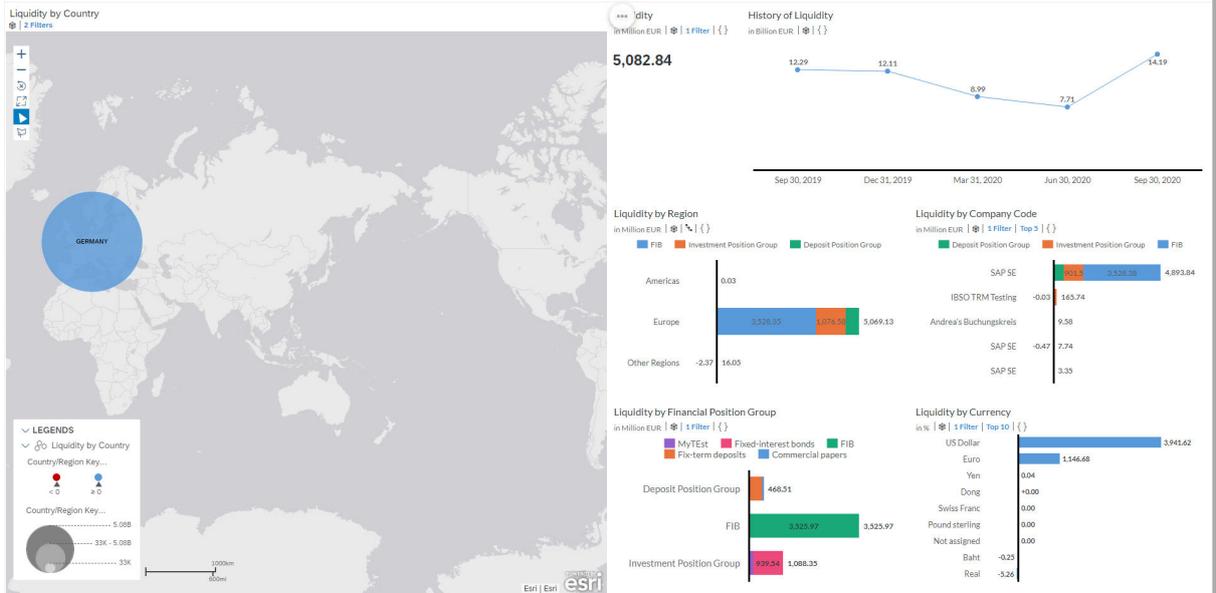
Total Volume of Bank Guarantees by Different Attributes



Average Fee Rate by Counterparty and by Calculation Types



Liquidity Overview



Liquidity by Treasury Center and Financial Positions





4.1.68 Vendor Management System (Fieldglass)

General

Gain insights into the current contingent and statement-of-work (SOW) worker situation in your company, analyze costs and supplier relationships.

Contingent and SOW Workforce Analytics

Analyze how many contingent and SOW workers are currently engaged. Control spend by comparing the current costs with previous year, drill down by country or business area and utilize smart analytics (forecast) prediction.

Analyze billing rates and compare them to your HR spends. Use smart discovery capabilities to gain insights into the most important cost drivers.

Cycle Times and Hiring Flexibility

Learn about the hiring cycle times to understand how flexibly your company can react to work force-related changes. Which qualifications are available, how fast do suppliers respond and how good is the qualification level. How many of the workers are suitable for re-hire?

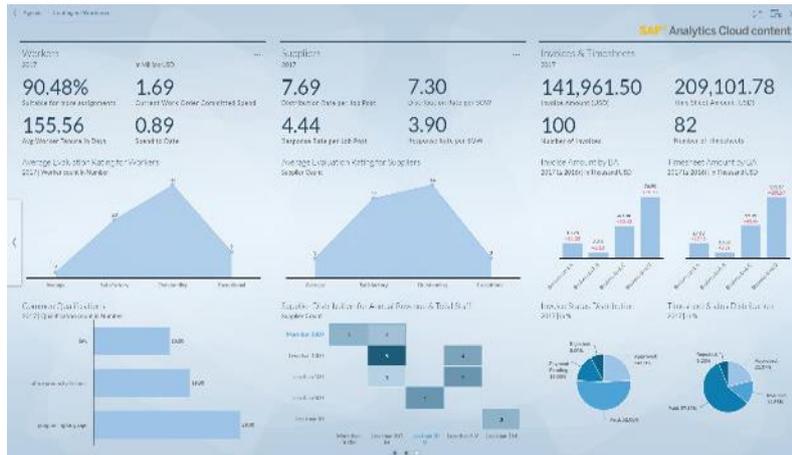
Supplier Analysis

Gain overview of how many supplier your company is currently working with, how many workers they sent, supplier ratings and spends per supplier.

Data Connectivity

Based on SAP Fieldglass.





4.1.69 Workforce Planning for SAP S/4HANA Cloud

Best Practice Analytics (Scope Item [3DJ](#))

Overview

Best Practices for Workforce Planning for SAP S/4HANA Cloud using SAP Analytics Cloud

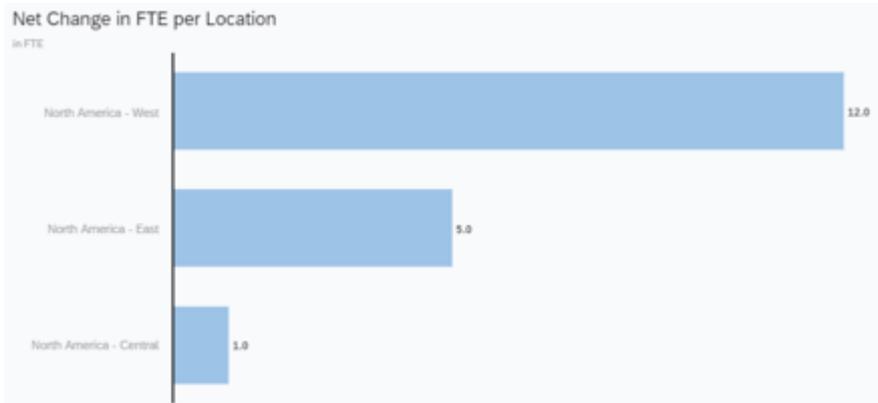
Business Benefits

- Visibility into Actual workforce costs, planned workforce costs, and workforce expense trends
- Understand the cost of Salary merit increases, changes in benefit rates, bonus rate assumptions, travel, office, and other employee-related expenses
- Close the gap between Finance and HR assumptions by merging the assumptions into one planning & analysis solution

Capabilities

- Leverage SuccessFactors HR data to simplify planning based on existing headcount
- Pre-populate Plan expense assumptions by deriving run-rate from a set of Actual financial history from SAP S/4HANA Cloud
- Plan for new hires, terminations, and transfers and understand the financial impact of each change
- Adjust Plan expense rates as you see fit: change a salary, increase merit %, update a benefits rate, override a travel expense assumption, etc.

- Visualize Plan/Actual data in charts and tables, allowing for drill down, trend analysis, Actual v Plan variance, and year-over-year analysis



Headcount (FTE): - Plan Assumptions - INPUT

Company Code: Company Code 1710 / Cost Center: 1710190 (Services and consulting) / Location: US_CO_1001

COST CENTER	LOCATION	JOB CLASSIFICATION	ACCOUNT	VERSION	TIME			
				Actual	Plan			
				Sep (2018)	Oct (2018)	Nov (2018)	Dec (2018)	
Back Office-(US)	Denver	Administrative Assis...	∨ FTE Employee	8.0	8.0	13.0	13.0	
			∨ FTE Net Change	0.0	-	5.0	-	
			FTE Hire	-	-	5.0	-	
			FTE Transfers	-	-	-	-	
			FTE Term	-	-	-	-	
		Administrative Assis...	∨ FTE Employee	1.0	1.0	1.0	3.0	

4.2 Industries

The following packages in the category Industries are available in the Content Network.

Content Package Name

[Banking \[page 151\]](#)

[Chemicals \[page 152\]](#)

[Consumer Products \[page 154\]](#)

[Health Care \[page 158\]](#)

[Insurance \[page 161\]](#)

[Mill Products \[page 162\]](#)

[Mining \[page 164\]](#)

[Oil and Gas \[page 166\]](#)

[Public Sector \[page 169\]](#)

[Professional Services for SAP S/4 HANA Cloud \(SAP Best Practices\) \[page 168\]](#)

Content Package Name

[SAP High Tech \[page 192\]](#)

[SAP Public Services: Higher Education & Research \[page 193\]](#)

[SAP Real Estate \[page 196\]](#)

[SAP Sports One Analytics Version 2 \[page 203\]](#)

[Telco Customer Profitability Analytics \[page 206\]](#)

[Trade Management \[page 207\]](#)

[Utilities \[page 209\]](#)

[SAP Agricultural Origination, Trading & Risk Management Analysis \[page 184\]](#)

[Rural Sourcing Management \[page 180\]](#)

[Retail – Omnichannel Article Availability and Sourcing \[page 170\]](#)

[Retail POS data on CAR \(Model Company Fashion for Vertical Business\) \[page 175\]](#)

[Retail POS data on CAR \(Model Company Core Retail\) \[page 173\]](#)

[Engineering, Construction & Operations \[page 156\]](#)

[SAP Cloud Platform Intelligent Returnable Packaging Dashboard \[page 188\]](#)

[SAP Utilities: Meter to Cash \[page 197\]](#)

[SAP Consumer Products: Revenue Growth Management – Foundation \[page 189\]](#)

[SAP Automotive: Responsive Supply Network, Sales, and Inventory \[page 185\]](#)

[Supply Demand Overview for SAP S/4HANA Fashion and Vertical Business \[page 204\]](#)

[SAP Public Services - Volunteer Workforce Management \[page 195\]](#)

[SAP Aerospace & Defense TERMS Dashboard \[page 181\]](#)

[SAP Telecommunication: Customer Value Management \(CVM\) \[page 155\]](#)

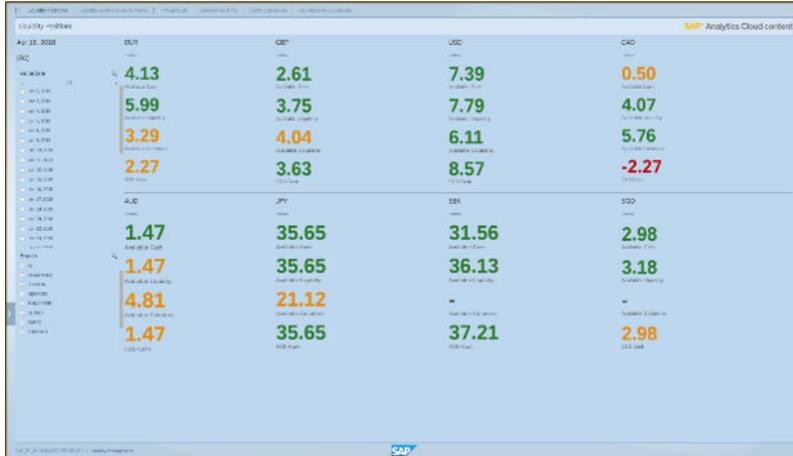
[Healthcare Enterprise Capacity Planning \[page 159\]](#)

[SAP Retail: Replenishment Planning and Unified Demand Forecast Dashboard \[page 177\]](#)

[SAP Retail: Unified Demand Forecast \[page 178\]](#)

[SAP Retail: Replenishment Planning \[page 176\]](#)

[Retail: POS Analysis for Retail \[page 171\]](#)



4.2.2 Chemicals

Here you can find the important highlights of the Industry Chemicals.

Financial Results

General assessment of financial performance as information to the management board – based on P&L, investments, and account positions.

Portfolio Performance

Assessment of portfolio performance with respect to contribution margin by business units, markets, regions, and customer segments.

Market Analysis

Assessment of product groups w.r.t external market data, market position and internal information on revenue, revenue development, margins & cost structures related to resource allocation.

Pipeline Health

Future oriented analysis of the sales pipeline based on opportunities by region, market segments and product groups.

HR information

Overview on the most important of HR topics.

Health & Safety

Incidents

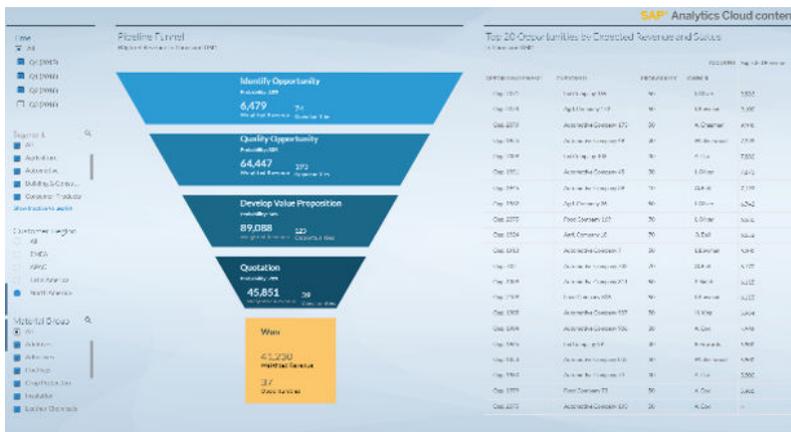
Report on current status on incidents, near misses and safety observations including root causes and areas of concern.

Greenhouse Gas Emissions

Monitor how well the different locations reach the companies greenhouse gas emission reduction target.

Risk Assessment

Analyze the risk situation and implementation of mitigating controls of operational units.



4.2.3 Consumer Products

Here you can find the important highlights of the Industry Consumer Products.

Financial Results

General assessment of financial performance as information to the management board – based on P&L, investments, and account positions. In addition, consumer product industry specific KPIs like organic sales growth are provided. Simulating the influence of Media Spend, Price, and Allowances on Net Revenue using a Value Driver Tree.

For details on all finance content, see the **LoB Finance - Financial Performance** content.

Market Share Analysis

Overview of the company's performance in different markets compared to the competition, based on external market information taken from SAP Demand Signal Management (DSiM). Root cause analysis of market share changes.

Sales and Distribution

Monitoring current sales situation and material availability.

HR

Overview of the most important KPIs.

Data Connectivity

CDS-Views based on S/4HANA finance data ("ACDOCA") and SD data, SAP Business Warehouse query views, and SAP SuccessFactors via Connector.





4.2.4 SAP Telecommunication: Customer Value Management (CVM)

Customer Value Management for Telco

Customer Value Management (CVM) is an automated methodology used in telco with one unified shared foundation for all marketing team members to identify the most promising targeting opportunity or next best action for any customer at any point in time.

The main purpose of this package is to simplify and accelerate the Customer Value Management scenario implementation for telecom operators and mainly for the marketing department. CVM also enables them with self-service Analytics.

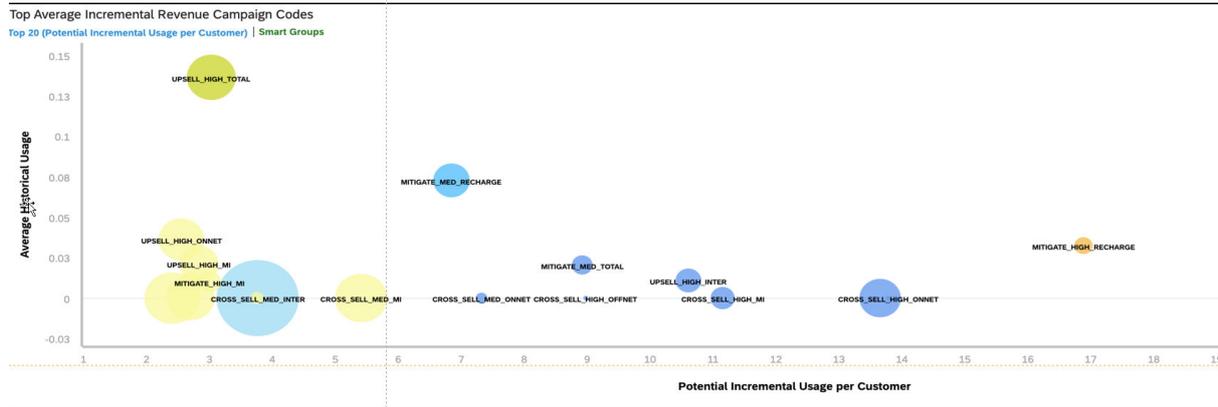
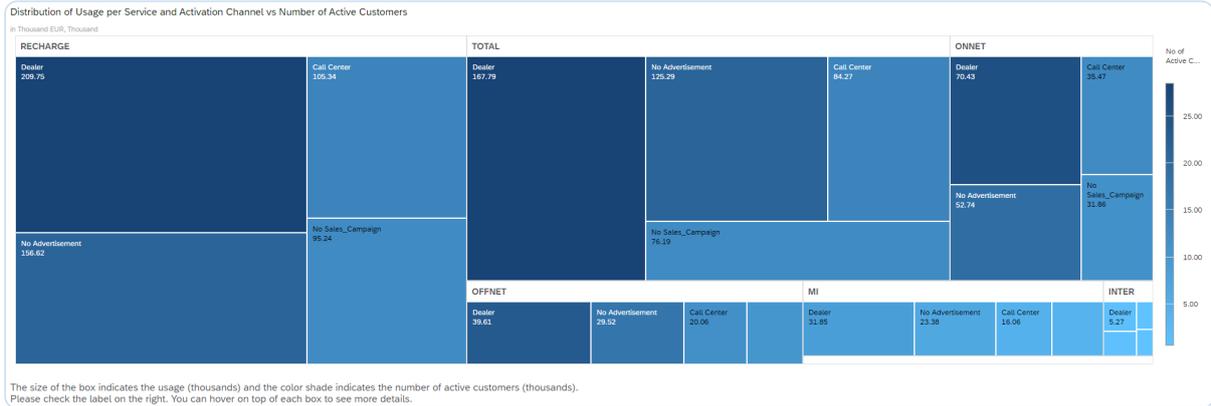
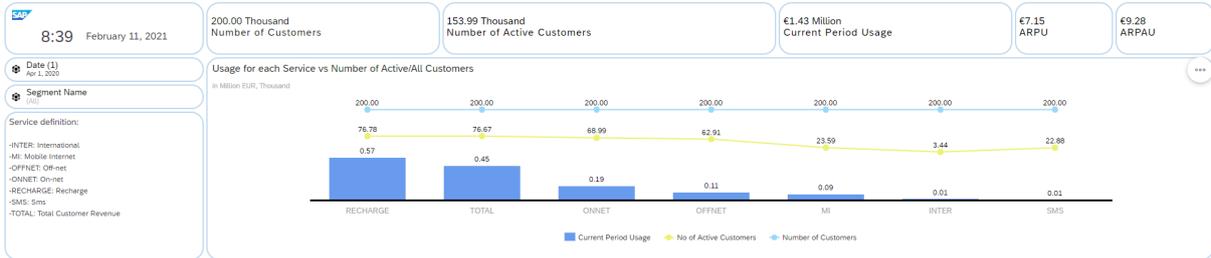
CVM Methodology

The methodology is designed to use the service revenue as the main KPI for the evaluation and calculation of the ideal targeting opportunity and also the customer value segment.

Data Connectivity

The Customer Value Management (CVM) content package is built on top of 3 source views containing usage transactions and insights, customer attributes and service configurations information. These 3 views can be connected to either live data or local data.

CVM KPIs Overview



4.2.5 Engineering, Construction & Operations

Business Development

Overview of all bids, their status and expected value; win-loose reasons Assessment of pipeline, new orders and trends as well as backlog.

Project Performance

Financial evaluation of current projects, profitability analysis and project fact sheet – including margin analysis, resource overview, business area and customer break-down as well as plan-actual monitoring.

Incident Reporting

Report on current status on incidents, near misses and safety observations including root causes and areas of concern.

HR Information

Overview on the most important of HR topics.



4.2.6 Health Care

Here you can find the important highlights of the Industry Health Care.

Revenue Cycle Overview

Gain insight into Revenue Cycle operations by monitoring Revenue, Collections and Accounts Receivables. Drill down by Facility, Financial Class and Date to identify potential problem areas.

Denials Management

Improve Revenue Cycle operations through the aggressive management of denials. Monitor actual denial volume on a daily basis in comparison to organizational standards. Monitor registration and claims production processes that determine denial rates in comparison to industry standards.

Monitor Quality Indicators and Patient Satisfaction Surveys

Track organizational attainment of critical measures used for value-based care, certification and quality assessment. Gain insight into performance over time and within the organization. Readily identify areas in the organization that are achieving quality goals and those areas that would benefit from performance improvement initiatives.

Population Health Management

Obtain actionable information on organizational population health improvement initiatives with the ability to drill down by organization, practitioner and individual patient. Identify best practices in top performing physicians for guidance in improving quality care throughout the organization. Analyze the geographic distribution of population health using spatial tools for equitable distribution of patient load and facility planning.

Smart Insights into Revenue Cycle and Population Health

Use the built-in predictive analytics to forecast future revenue, collections and accounts receivable based upon past performance. Create actionable intelligence by utilizing SAP Analytic Cloud algorithms to identify causative factors of organizational anomalies and population health risk factors.

Staffing Insight

Track nurse staffing levels over time, and estimate needs in the future, based on expected occupancy.

Overview

As of Apr 1, 2021

Occupancy
In Percentage

75%

189 Beds Available

Transfers
In Patients

261 (-11)

Admissions
In Patients

264 (-5)

Boarder Patients
In Patients

74

Tomorrow's Admissions
In Patients

271 (+7)

ED Arrivals
By Patients

65 (-11)

Discharges
In Patients

262 (-3)

Nurses Staffed
In Nurses

81 (-4)

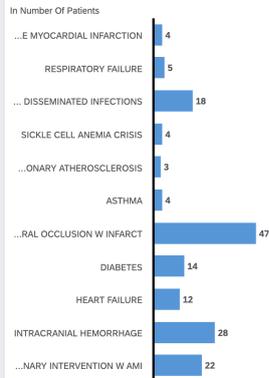
Patients, Admissions, Discharges And Transfers Over Time



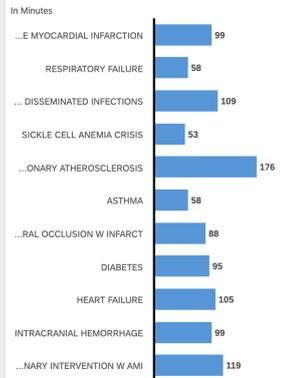
Census And Nurses Staffed Over Time



Most Common Diagnoses



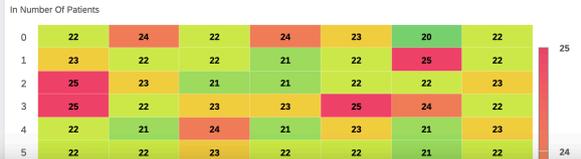
Wait Time Per Top Diagnoses



Wait Time Over Time



ED Occupancy By Hour



Nurses Staffed



4.2.8 Insurance

Here you can find the important highlights of the Industry Insurance.

Financial Results

General assessment of financial performance as information to the management board – based on P&L, investments, account positions and accounting standards including IFRS17.

Financial Planning

Simulating the influence of various revenue and expense KPI's on profitability using a Value Driver Tree planning simulation.

Financial Performance Management

Insurance profitability and cost performance indicators allocated to an insurance product level and measurement of all Solvency II regulatory requirements.

Channel and Sales Product Information

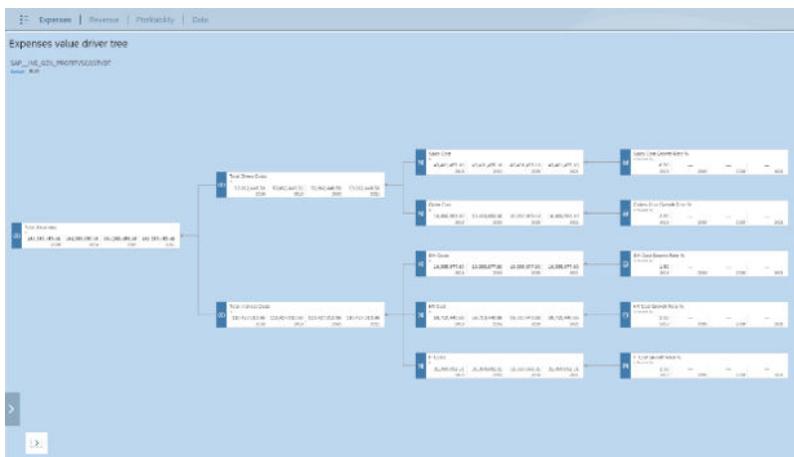
Assessment of Insurance product portfolio performance sales channels and market segments.

HR Information

Overview of the most important HR topics.

Travel Management

Detailed break-downs of expenses by multiple dimensions such as program/project, business area, country, payment type, vendor or time.



4.2.9 Mill Products

Here you can find the important highlights of the Industry Mill Products.

Financial Results

General assessment of financial performance – based on P&L, investments, and account positions.

Portfolio Performance

Analysis of product portfolio performance of business units with respect to contribution margin by product groups and configurable products.

Production Review

Review of the production performance of a configurable product portfolio with regards to quantity, scrap, operation duration and costs of production orders.

Sales Review

Sales Review Configurable Products

Analysis of best- and non-selling configurable products to drive production planning decisions. Assessment of increased usage of lower grades and average weight per order within the customer base to create customer-tailored sales incentive programs.

Sales Pipeline

Assessment of opportunity pipeline as an indicator for future business health.

Environment, Health and Safety

Greenhouse Gas Emissions

Overview of the company's greenhouse gas emission reduction target.

Incidents

Reporting on status of incidents, near misses and safety observations including root causes and areas of concern.

Human Resources

Human Resources

Overview of key Human Resources topics.

Recruitment

Overview of recruitment related aspects.

Data Connectivity

CDS-View based on S/4HANA, Query views based on SAP Business Warehouse, SAP SuccessFactors via Connector, Integration to SAP Cloud for Customer via OData API.



4.2.10 Mining

Financial Results

General assessment of financial performance – based on P&L, investments, and account positions.

Mining Direct Production Costs

Benchmark direct production costs per cost category per ton of ore for all relevant locations. Simulate effects of market price changes and cost reductions on the direct costs per ton to meet demanding efficiency targets.

Environment, Health and Safety

Analyze current status on incidents and monitor risk assessments and the implementation of mitigating controls.

Human Resources

Human Resources

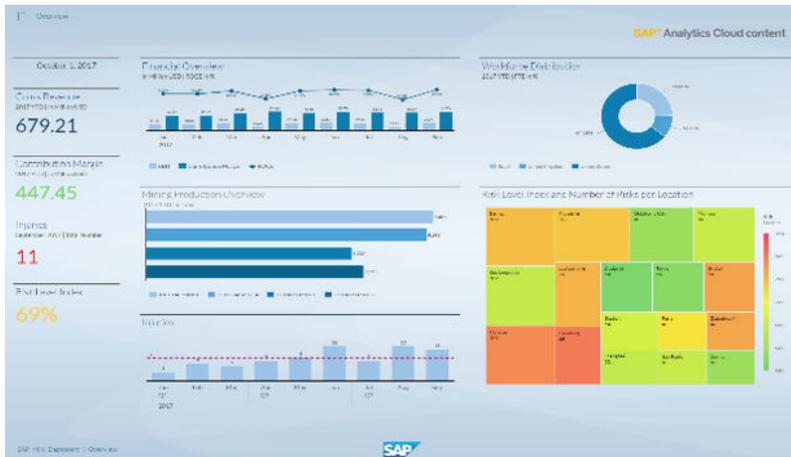
Overview of key Human Resources topics.

Recruitment

Overview of recruitment related aspects.

Contingent Worker, Statement of Work (SOW), and Vendor Management

Gain insights into the current contingent and statement-of-work (SOW) worker situation and costs.



4.2.11 Oil and Gas

Here you can find the important highlights of the Industry Oil and Gas.

Financial Results

General assessment of financial performance – based on P&L, investments, and account positions.

Upstream Direct Production Costs

Benchmark direct production costs per cost category per barrel of crude for all districts, fields, or wells. Simulate changes of the direct production costs per barrel to meet demanding efficiency targets.

Downstream Portfolio Performance

Assessment of the product portfolio performance of downstream and chemical business units with respect to contribution margin by markets, regions, and customer segments.

Downstream Supply Chain Performance - Gross Refining Margin

Comparison of the refineries economics based on the difference of the cost of the raw materials and feedstocks consumed and the value of the finished products produced to improve e.g. decisions on matching supply/demand, refinery planning or investments.

Downstream Supply Chain Performance - TSW Shipments

Monitoring execution performance of O&G shipments (TSW nominations) by key parameters like carrier, mode of transport, route, vehicle and site to improve the lead time and delivery quality in the supply chain.

Capital and STO Projects

Improve decisions on the current portfolio of capital and STO (Shutdowns, Turnarounds, and Outages) projects based on budgets, costs, commercial value, risks and ROI including analysis of budget deviations.

Environment, Health and Safety

Monitor how well E.g., oil platforms or terminals reach the companies greenhouse gas emission reduction target. Analyze current status on incidents and the risk situation including implementation of mitigating controls.

Human Resources

Overview on the most important of HR topics and recruitment.

Contingent Worker, Statement of Work (SOW) and Vendor Management

Gain insights into the current contingent and statement-of-work (SOW) worker situation and costs.



4.2.12 Professional Services for SAP S/4 HANA Cloud (SAP Best Practices)

Here you can find the important highlights of the Industry Professional Services for SAP S/4 HANA Cloud (SAP Best Practices).

Overview

Best Practice for SAP S/4HANA Professional Services Cloud Content with SAP Analytics Cloud.

Real-time integration between S/4HANA Cloud and SAP Analytics Cloud

Real-time Analysis for S/4HANA Cloud enables a project manager to dive into S/4HANA Cloud using a real-time connector. Accelerators include a pre-built set of LIVE analytical dashboards, key performance indicators, and reports (Best Practice Analytics scope item 28W).

Revenue and Backlog Analysis

- Professional Services content for S/4HANA Cloud (Best Practice Analytics scope item [28W](#)) enables pre-built set of analytical dashboards and reports that help you analyze revenue contracted, pipeline revenue, backlog in work on SAP S/4HANA Cloud data.
- Compares revenue contracted and revenue in pipeline, revenue contracted and backlog in cash etc., by region, by calendar year, by service organization, by customer.
- Lists top 5 Service organizations, Customers by revenue contracted, revenue pipeline and backlog in work.

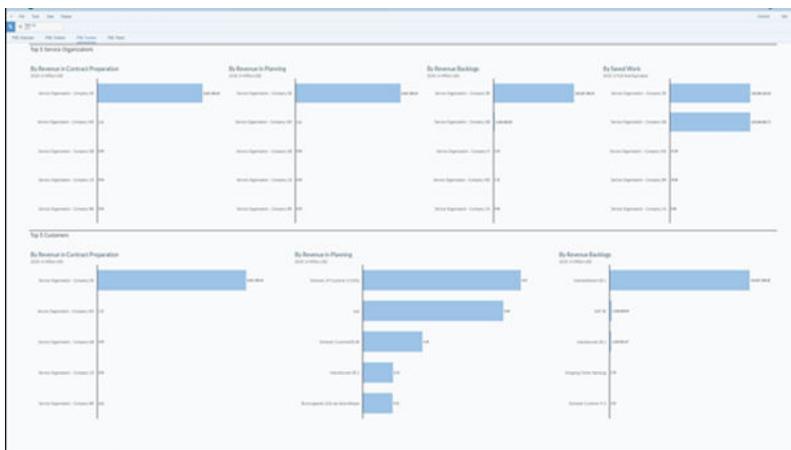
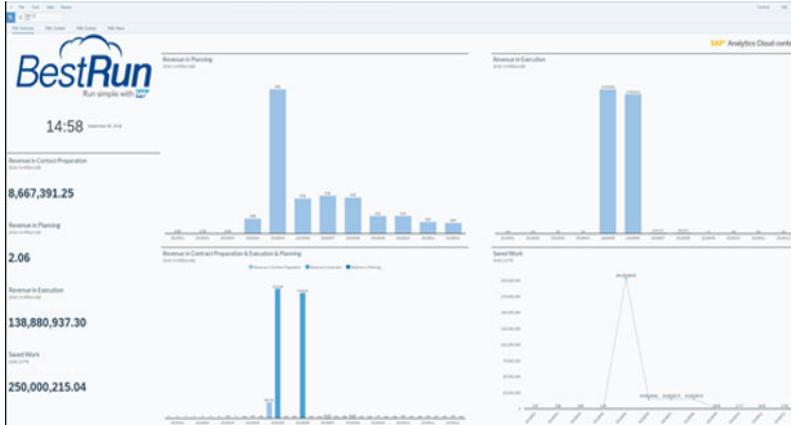
Integration between SAP Analytics Cloud and SAP S/4HANA Cloud

SAP delivers best practice methodologies to integrate the revenue contracted, pipeline and backlog work data from SAP S/4HANA Cloud into SAP Analytics Cloud.

Data Connectivity

CDS-Views based on S/4HANA Professional Services for CPM data: Revenue Analysis Backlog in work.

What's New: 2 new pages are added around Performance and Actual & Plan LPI's.



4.2.13 Public Sector

Here you can find the important highlights of the Industry Public Sector.

Financial Results

Assessment of budget definition and budget consumption for the year and year over year comparison; Funds Management analysis; key financial indicators such as revenue, expenditure and receivables/payables.

Constituent and Program Management

Overview of the constituent service and program execution.

People Focus

Overview on the most important of HR topics.



4.2.14 Retail – Omnichannel Article Availability and Sourcing

Web Shop Health Check (Sourcing Overview Analysis)

What results did sourcing produce for all shopping carts? How many carts failed in what country / region? How has the cart-to-order conversion rate has changed over time?

The Sourcing Overview Analysis provides an overview of sourcing success key figures on shopping cart level based on a selected sales channel.

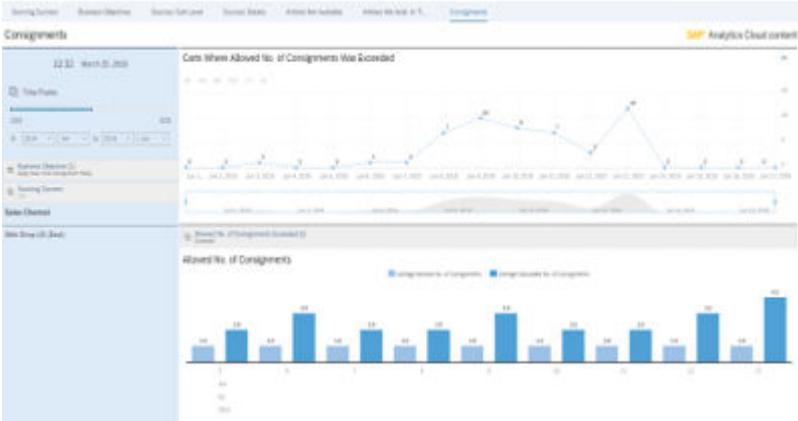
Analysis of Failure Reasons (Sourcing Details Analysis)

What were the reasons behind the sourcing results produced for the shopping carts in the selected sales channel (web shop)? What is the business objective providing the sourcing result most often and what are the failure reasons per business objective? What influence factors reduced the initial list of eligible sources from the sourcing network? What articles were most often responsible for sourcing failures?

The Sourcing Details Analysis provides insights into reasons of failed sourcing on shopping cart and item level based as well as strategy steps, based on a selected sales channel.

Data Connectivity

Based on BW Live Data.



4.2.15 Retail: POS Analysis for Retail

Analyze point-of-sale (POS) transactions – all in one place, from anywhere, and in real time with the SAP Data Warehouse solution.

POS Analysis Cockpit

Get an condensed overview of your current business: Compare year-to-date values (YTD) by last-year-to-date values (LYTD). Immediately understand the TOP and FLOP merchandise categories and sites for each KPI.

Compare net sales amount, sales quantity and number of transactions between last year and this year over month.

Included KPIs are net sales amount, sales quantity, number of transactions and average basket value.

POS Sales Analysis

Analyze data of the current and last year by countries, regions and cities. Directly understand the TOP and FLOP merchandise categories, products, and sites.

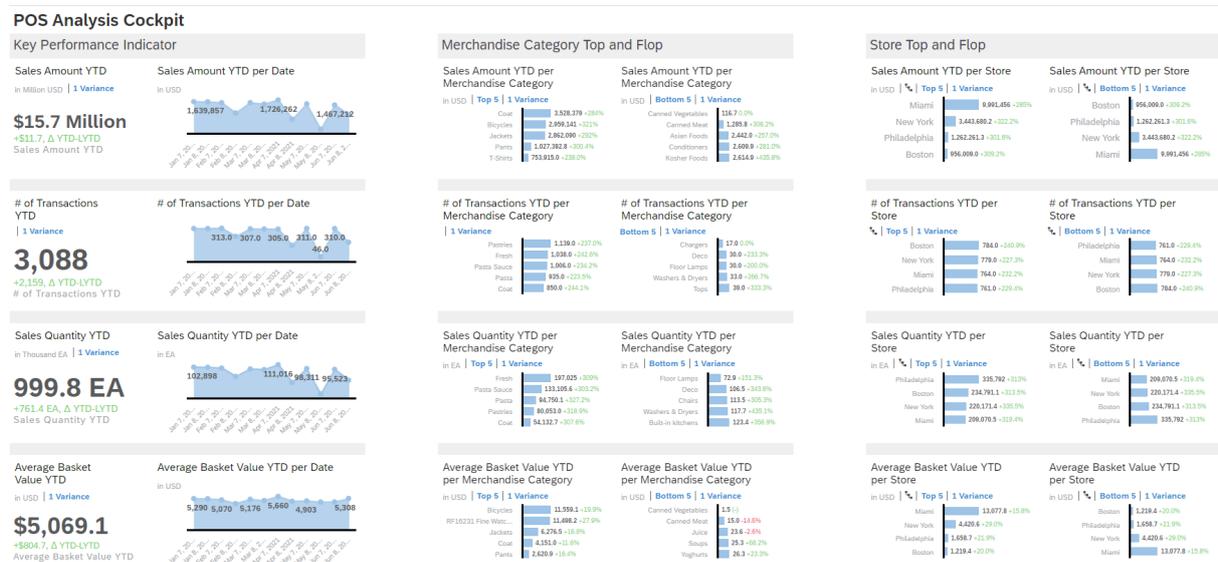
Included KPIs are net sales amount, sales quantity, number of transactions, average basket value and average number of items per basket.

Store Analysis

Drill into the shopping basket to the sales hour per site, to get a detailed understanding of the consumer behavior. Review best and slow seller. Get an overview of the traffic load per workstation, operator and merchandise category for number of transactions.

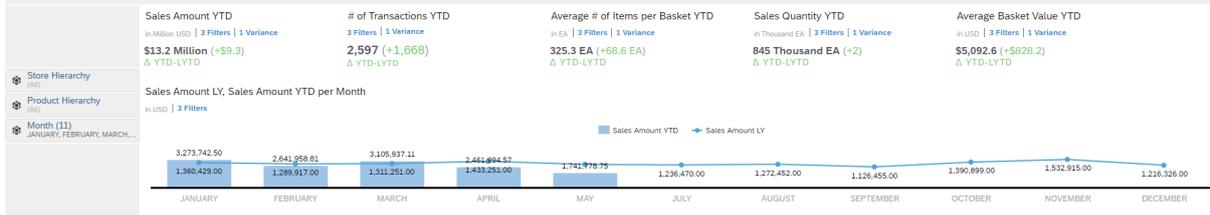
Data Connectivity

Based on SAP Data Warehouse Cloud live connection (local tables).

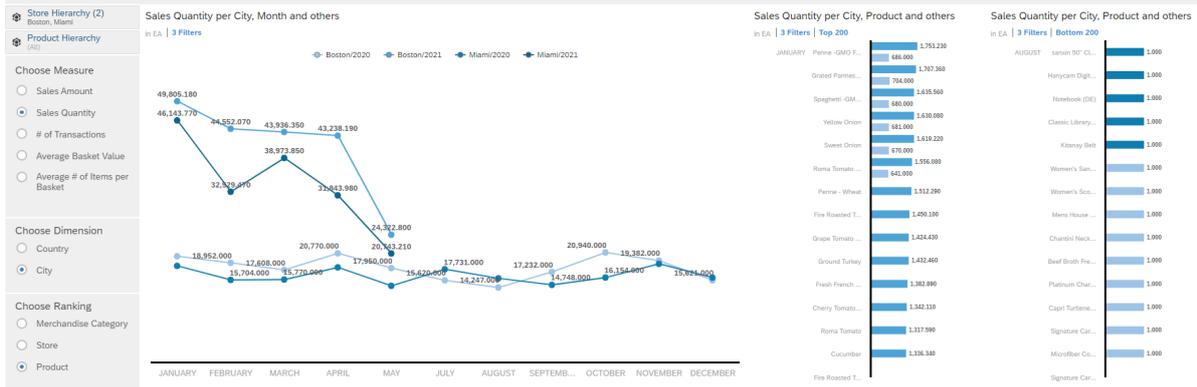


POS Sales Analysis

Sales Analysis - Overview YTD vs LYTD



Sales Analysis in Detail - Choose Measures and Dimensions



4.2.16 Retail POS data on CAR (Model Company Core Retail)

Sales Analysis by Region and Location

Analyze data from different channels like POS systems & web shop across regions, locations and merchandise categories. Included KPIs are net sales amount, cost amount, gross margin amount and percentage.

The net sales amount is visualized on a geo map to support your analysis.

Basket Analysis by Week

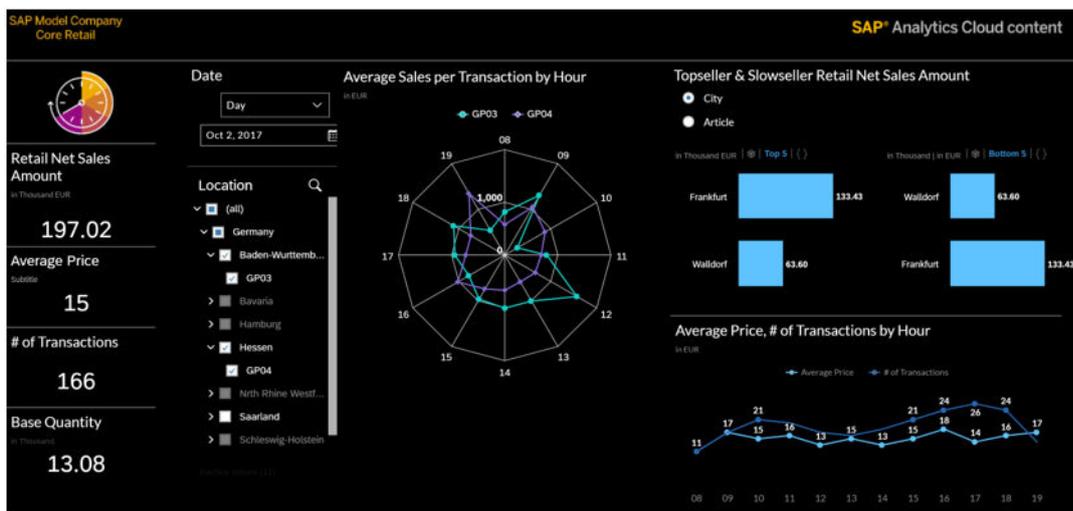
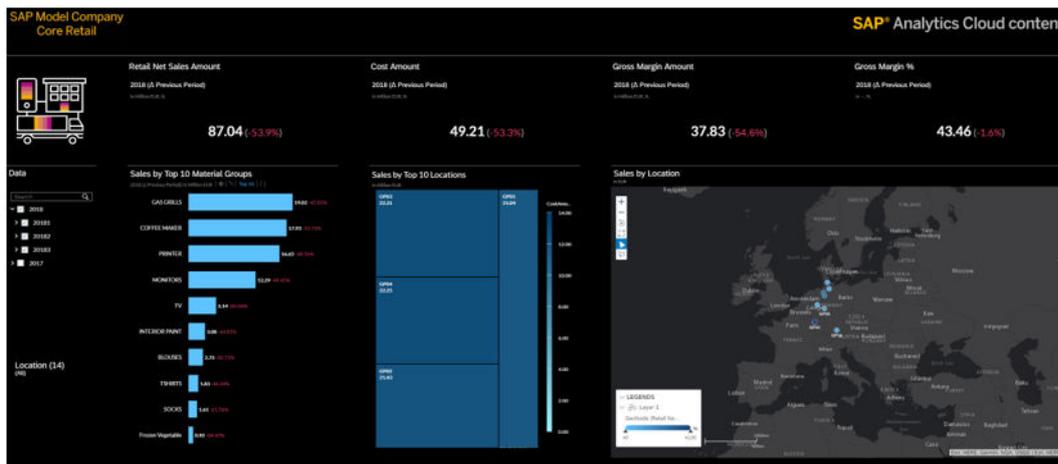
Net sales amount, average price per transaction, number of transactions and average number of units are calculated in real time as soon as trickle feed by the POS system. You can compare week by week (up to five different weeks are handy).

Basket Analysis by Day

Breaking down the shopping basket to hourly levels and compare days / stores in order to deeply understand consumer behavior. Get best and slow seller views for cities and articles in the same selection.

Data Connectivity

Based on live connection to SAP Customer Activity Repository (SAP CAR).



4.2.17 Retail POS data on CAR (Model Company Fashion for Vertical Business)

Sales Analysis by Region and Location

Analyze data from different channels like POS systems & web shop across regions, locations and article hierarchy nodes. Included KPIs are net sales amount, cost amount, gross margin amount and percentage. The Net sales amount is visualized on a geo map to support your analysis.

Sales Analysis by Division

Analyse key performance indicators such as net sales, cost and margin along article hierarchy nodes to identify top divisions and their ratios.

Sales Analysis by Product

Breaking down the POS data to product level shows ratios across analysis colors, brands, seasons, average price additionally to the known KPI's, class and fashion attributes to categorize top and slow seller to identify product strategies.

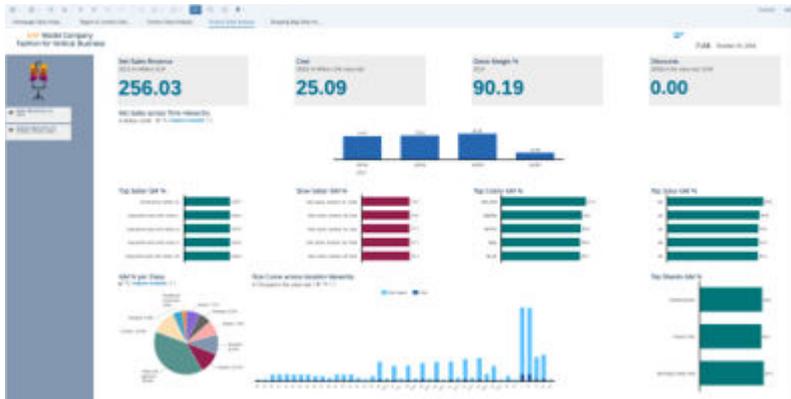
Shopping Bag Analysis

The POS data are shown at shopping bag level to analyze shopping behavior of the end consumer with the help of affinity analysis and a product fact sheet to identify product and placement strategies down at store level.

Data Connectivity

Based on live connection to SAP Customer Activity Repository (SAP CAR).





4.2.18 SAP Retail: Replenishment Planning

Replenishment Planning

This content provides an overview of replenishment planning key indicators that can help identify issues.

Using the dashboard, visualize:

- Order quantities of a product in multiple locations
- Order quantities of several products in one location
- Order quantities generated using replenishment runs that have been changed manually
- Product locations with a high rate of changed items
- Development of changed order quantities over time

Based on these insights, a Replenishment Planner can take better decisions and initiate relevant actions.

→ Tip

You can configure navigation from this story to the [Review Order Plan Items](#) app. For more information, please refer to SAP Note [3057209](#).

Data Connectivity

The data connectivity is based on SAP CARAB 5.0 FP01.

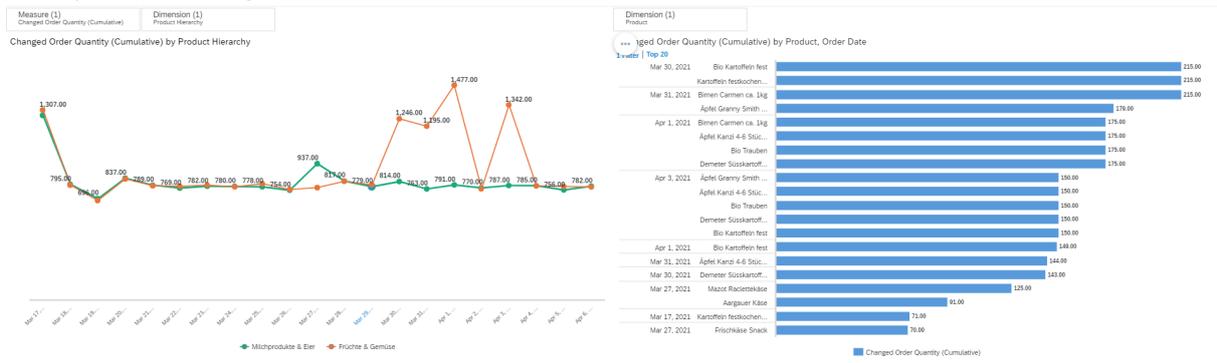
Replenishment Planning

Location Hierarchy (PH)	Product Hierarchy (PH)	Replenishment Type (PH)	Supplier (PH)	Order Date (1)
				Jan 5, 2021 - May 9, 2021

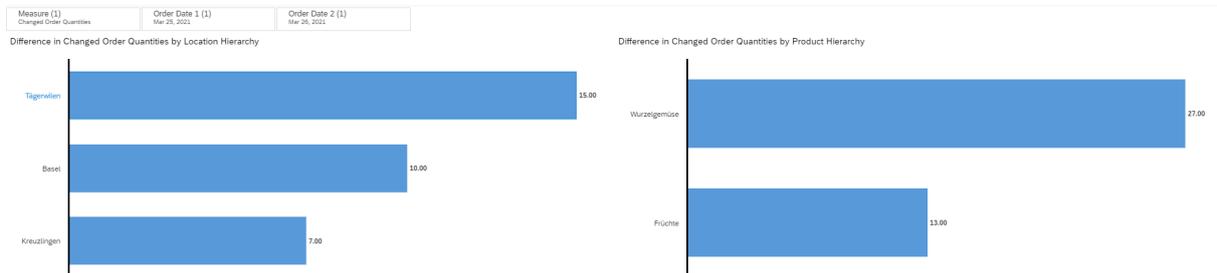
Changed Order Quantities and Items



Detailed Analysis of Order Quantities and Changed Items



Comparison of Changed Order Quantities for Different Order Dates



4.2.19 SAP Retail: Replenishment Planning and Unified Demand Forecast Dashboard

Dashboard

This content helps retailers analyze replenishment and forecast data over certain time periods to identify patterns and monitor trends that influence the business.

Using the dashboard, visualize:

- Order quantities of a product in multiple locations
- Order quantities of several products in one location
- Order quantities generated using replenishment runs that have been changed manually
- Daily sales figures, out-of-stock rates, and system forecasts for product locations
- Alerts by alert type based on products and locations

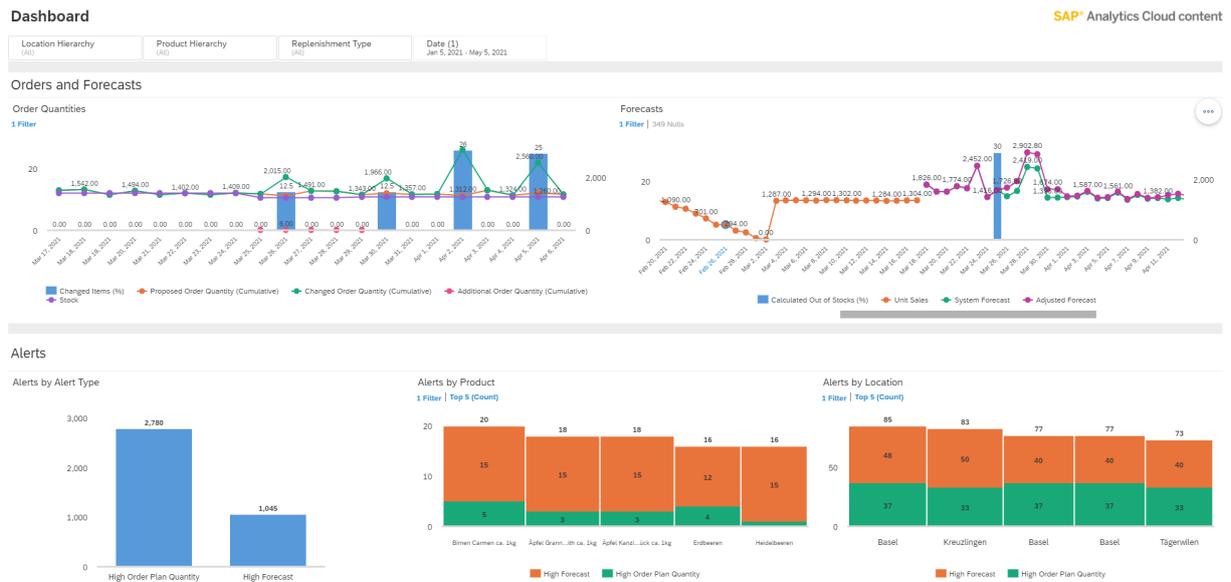
Based on these insights, Planners can take better decisions and initiate relevant actions.

→ Tip

You can configure navigation from this story to other related stories and also to the [Manage Alerts](#) app. For more information, please refer to SAP Note [3057209](#).

Data Connectivity

The data connectivity is based on SAP CARAB 5.0 FPS01.



4.2.20 SAP Retail: Unified Demand Forecast

Demand Forecasting

This content helps retailers analyze forecast data over certain time periods to identify patterns and monitor trends that influence the business.

Using the dashboard:

- Visualize daily sales figures, out-of-stock rates, and system forecasts for product locations
- Ensure forecast quality is in alignment with the target
- View different adjustments applied across products and locations
- Distribution of absolute forecast adjustments based on classification and location

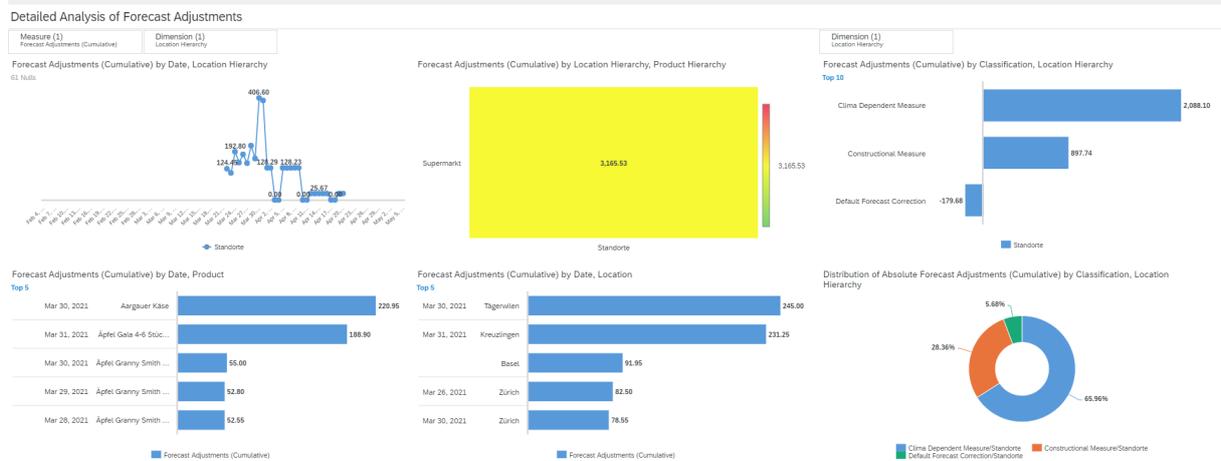
Based on these insights, Planners can take better decisions and initiate relevant actions.

→ Tip

You can configure navigation from this story to the [Analyze Forecast](#) app. For more information, please refer to SAP Note [3057209](#).

Data Connectivity

The data connectivity is based on SAP CARAB 5.0 FPS01.



4.2.21 Rural Sourcing Management

Overview

The SAP Rural Sourcing Management Reports provide exemplary reports with data that can be generated with the SAP Rural Sourcing Management, a mobile cloud application for capturing smallholder farmer transactions. The following reports for different stakeholders provide insights about possible palm oil or cotton productions scenarios.

Cotton Reports

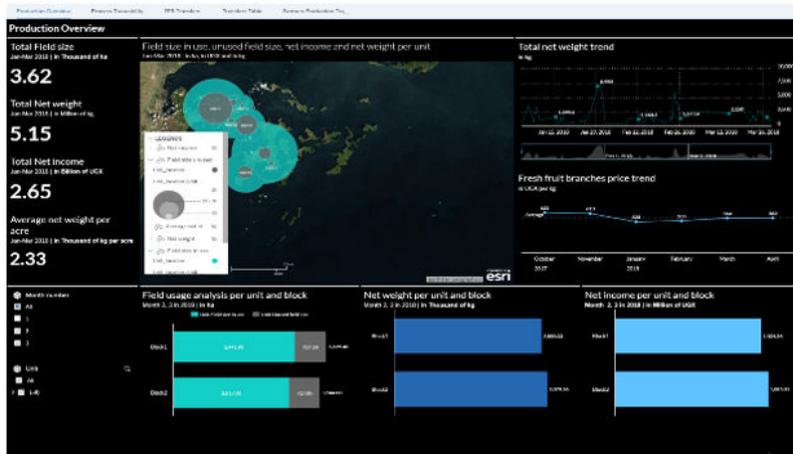
The cotton reports visualize major KPI's like input supply, productivity, fulfillment of delivery agreements or attended trainings from Top to Bottom, meaning there is a report each from the warehouse through the ginnery level down to the smallholders, where the individual farmer can learn all about his or her productivity. Above the farmers level, each report also uses geo maps.

Additionally there is a sustainability report, which is an easy check on to what degree sustainability criteria are fulfilled for a certain certificate.

Palm Oil Reports

The palm oil reports provide a quarterly overview of the fruit branches productions and include palm oil specific KPI visualized on geo maps. The performance is being analyzed by comparing the actual production to the capacities as well as the quarterly trend. Traceability is enabled within each report, so each food branch can directly be tracked down to a block, a unit or a single farmer which enables optimization from bottom to top.





4.2.22 SAP Aerospace & Defense TERMS Dashboard

Content for SAP Aerospace & Defense Total Enterprise Reporting for Medium & Small Businesses (TERMS).

Total Enterprise Reporting for any size business

Measure your business on your own terms by loading data in a simple spreadsheet format.

Load data from any source

Simply load enterprise metrics into a simple, generic spreadsheet format. Whether you have a sophisticated ERP, or you are running your business entirely on spreadsheets, align the rows and columns to our template and all dashboards run automatically.

No design needed for our standard set of 21 KPIs

We've aligned 21 KPIs across the areas of Finance, Customer, Operations, and People that measure business health. No coding is required to take advantage of advanced dashboards with built-in forecasting.

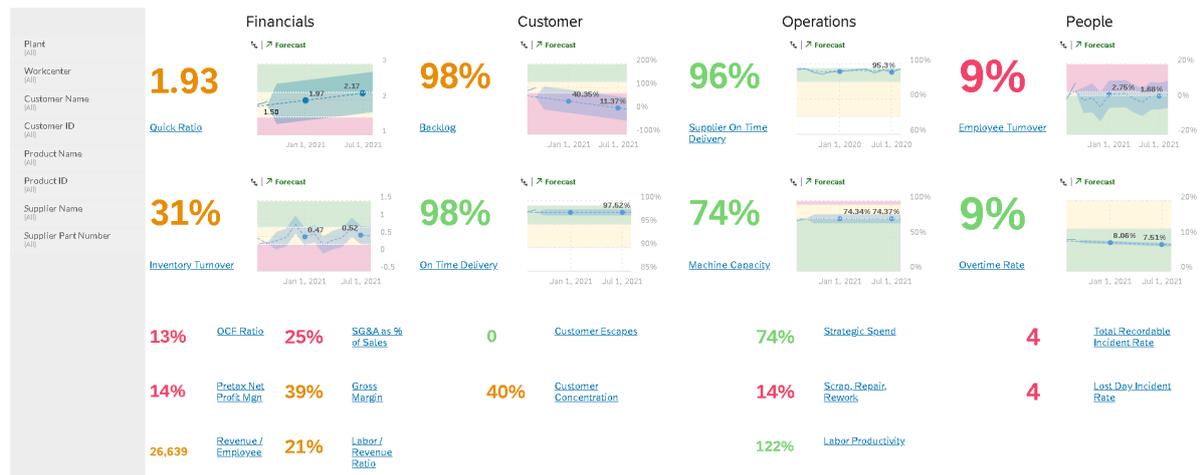
Industry-vetted KPI that can be customized to you no coding required

KPI thresholds for OK / Warning / Critical thresholds are populated automatically for the A&D industry, but they can be customized to your business with a simple slider.

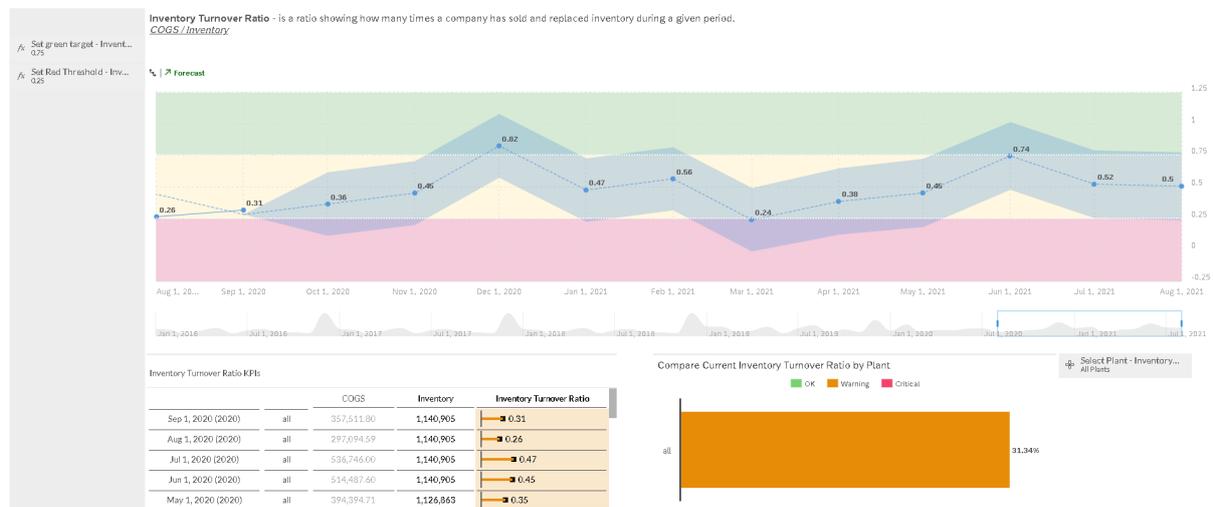
Drilldown by Workcenter, Customer, Supplier, Product and other dimensions

Add new rows in the template based on several simple categories, and the dashboard automatically provides custom drilldowns, forecasts, and predictive modeling on those dimensions.

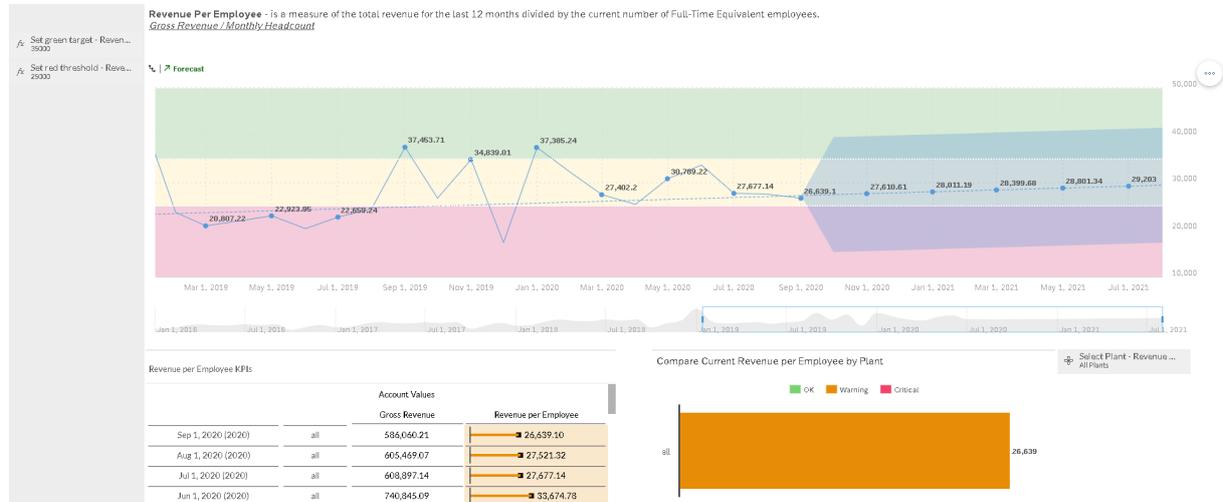
SAP® Analytics Cloud content



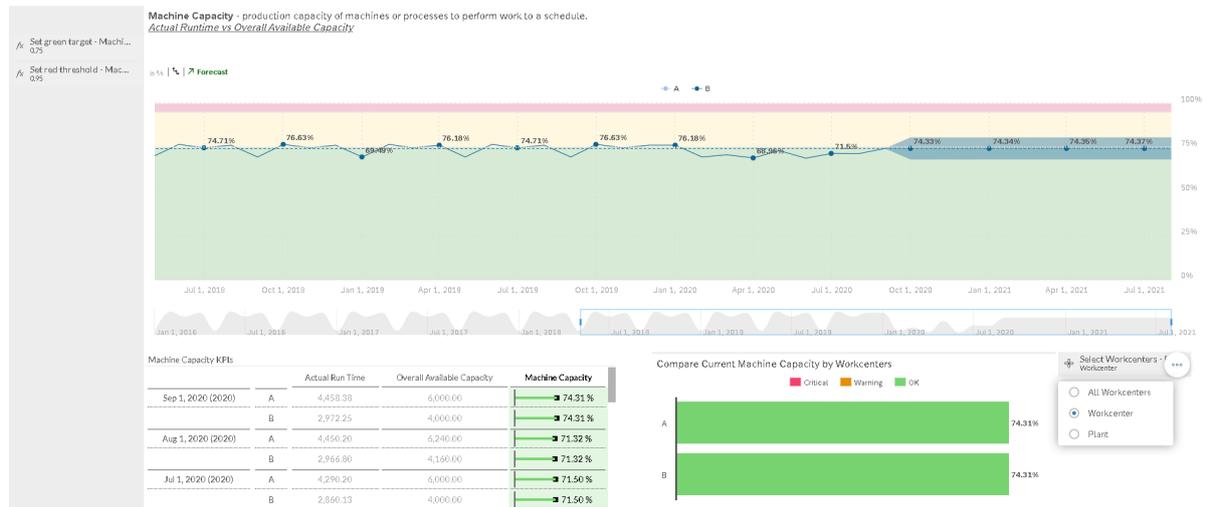
SAP® Analytics Cloud content



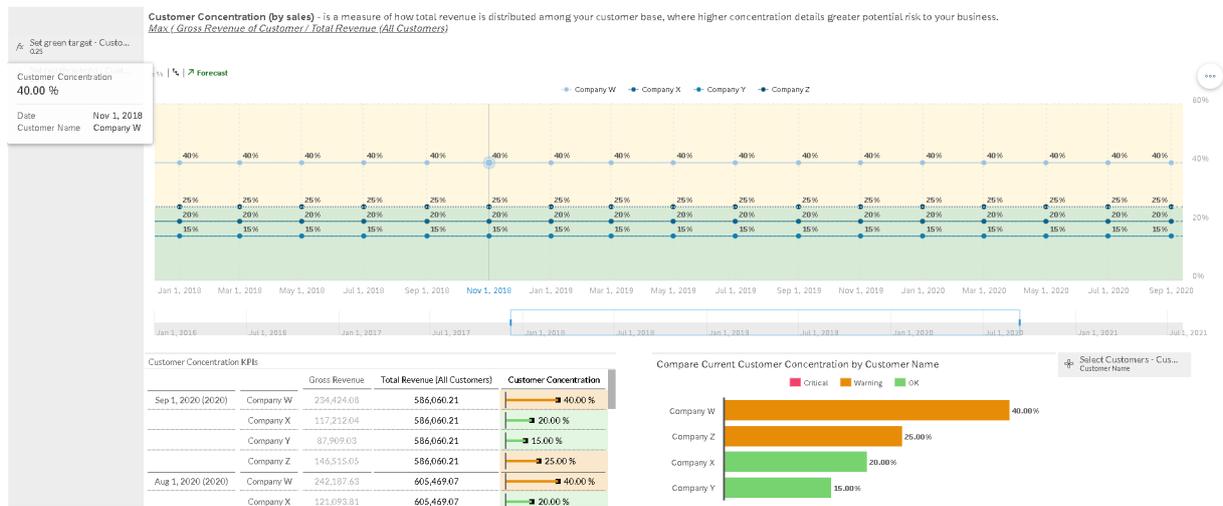
SAP® Analytics Cloud content



SAP® Analytics Cloud content



SAP® Analytics Cloud content



4.2.23 SAP Agricultural Origination, Trading & Risk Management Analysis

Trader & Risk Manager

General assessment of profitability as information to the management board – based on allocated income and cost positions across multiple dimensions including profit centers, product types, trading desks and org units.

- Market news feed
- Commodity risk current view
 - Position (future component physical & hedges)
 - Position (basis / differential / premium)
 - Position (price type)
 - Mark-to-Market (MtM)
- Commodity risk end of day
 - As for current view, selectable day
- Commodity risk day over day
 - As for current view, selectable period
 - Delta MtM explained / Trading Profit & Loss

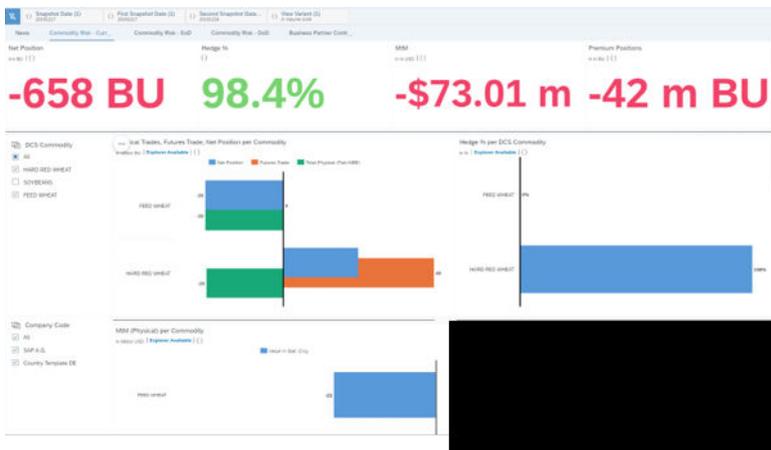
Trader

Business partner contract & risk analysis, all per counterparty

- Open contract value
- MtM risk
- Unrealized contract quantity
- Contract quantity due for delivery
- Contract pricing status
- Future component unpriced contracts requiring rolling or pricing

Data Connectivity

Live Models, with responsive pages, mobile enabled.



4.2.24 SAP Automotive: Responsive Supply Network, Sales, and Inventory

The Automotive industry is operating in global supply networks. Optimizing efficiency, and driving down cost and risk are crucial factors here. This initial release of the content provides sales and inventory information, to support the responsive supply network scenario. In addition find data from purchasing (S/4HANA) and production costs. The data models is catered for further exploration and drill-downs into relevant dimensions and measure.

The Overview page delivers relevant KPIs at a glance, while details within each area are available as follows:

Sales

Analyze sales by order value and quantity. Drill down to different dimensions such as material, material group or document date

Purchasing

Check the order quantities and values and get insights by drilling down to material group, purchasing group or order date. Use the Explorer to to ad-hoc analysis on the entire data model.

Stock & Inventory

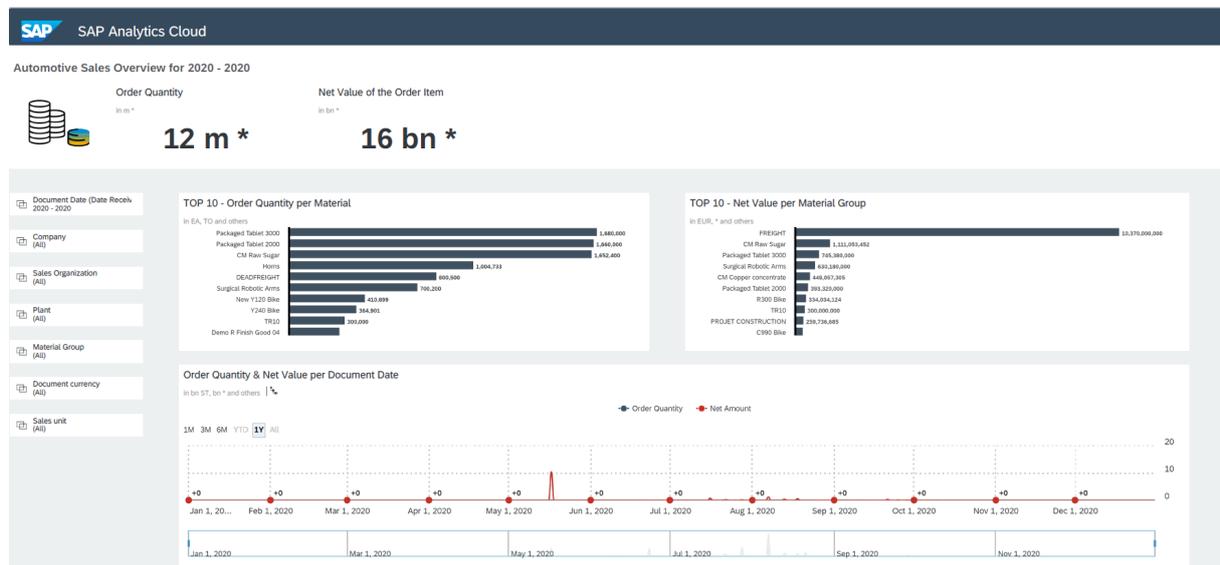
Get information on the stock inventory and the evaluated stock by plant, material group, material or dates.

Production Costs

Analyze production cost details: quantity and value of goods received by plant, material group, material and date.

Data Connectivity

Based on SAP Data Warehouse Cloud live connection (S/4 HANA – CDS views / SAPI extractors / Tables)



Architecture

Five main harmonized views are used to build the SAP Analytics Cloud visualizations:

- Inventory
- Product Costing
- Sales
- Purchasing
- Production Orders

The package contains the following objects to also allow further and broader analysis:

Master Data: The content contains 19 views tapping into various relevant attributes and texts for supply, sales and inventory information: different concepts such as customer, material, plant, sales organization and others.

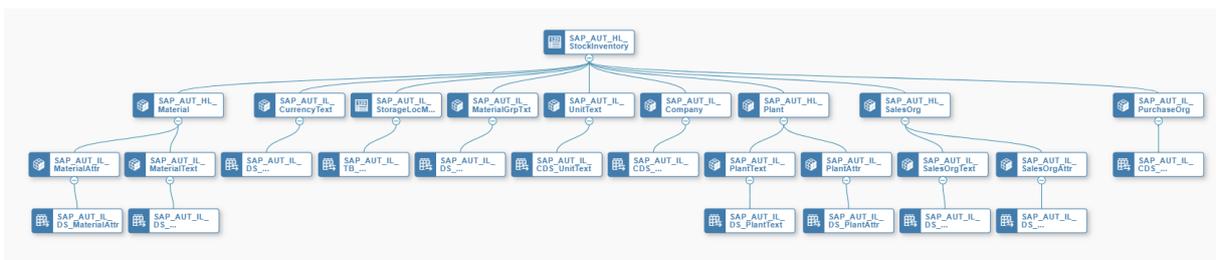
Sales: 3 views based on sales orders.

Purchasing: 3 views based on purchase orders.

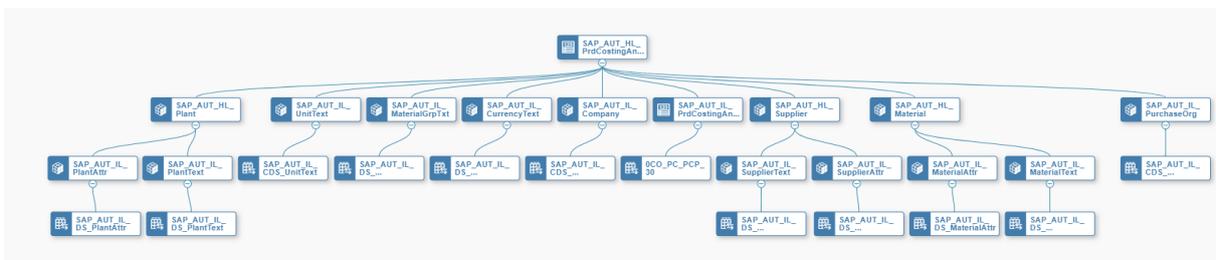
Stock & Inventory: 3 views based on the storage location for material.

Production Costs: 4 views based on the product costing analysis and production orders.

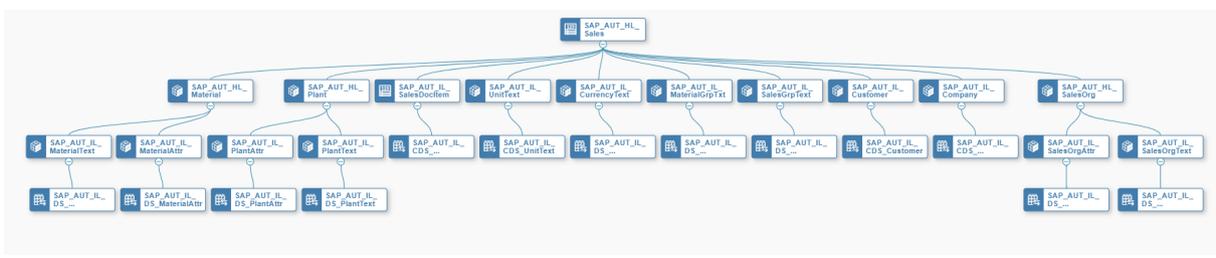
Inventory



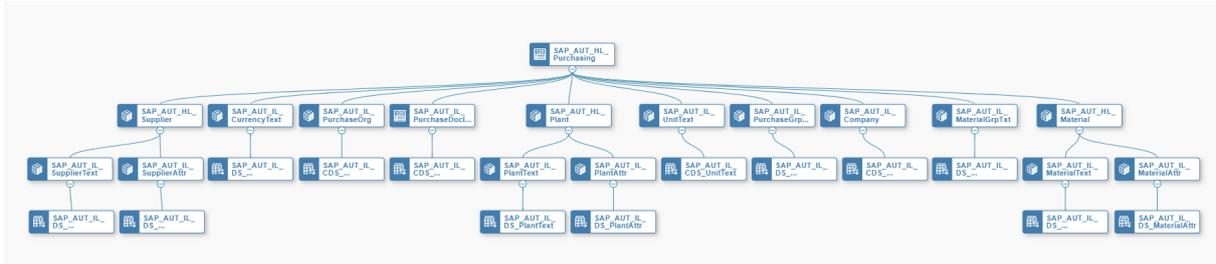
Product Costing



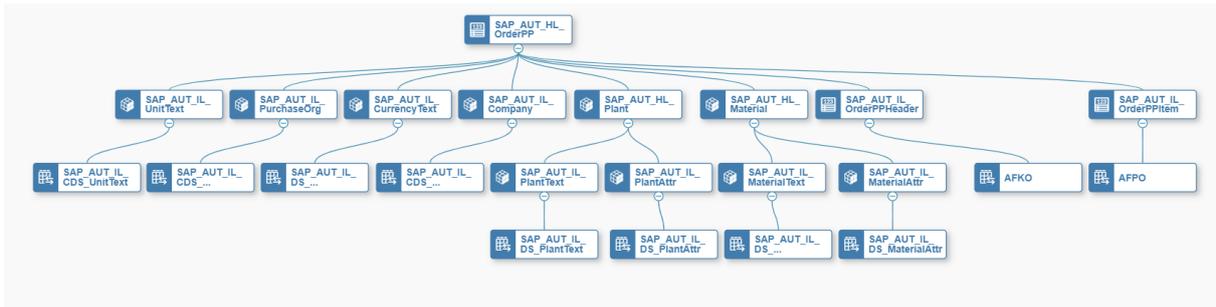
Sales



Purchasing



Production Orders



4.2.25 SAP Cloud Platform Intelligent Returnable Packaging Dashboard

Overview of the Returnable Packaging

This package provides an overview of Stock Quantity of material, Number of Account Postings, and the Posting quantity that are inbound and outbound based on the selected filters. The charts also provide associated key Indicators for the material

Deep Insights

Analytics with real-time data helps in better management of **Returnable Packaging**. The visual representation makes data analysis and comparison easy which in turn enables Packaging Managers to make informed decisions.

User Experience

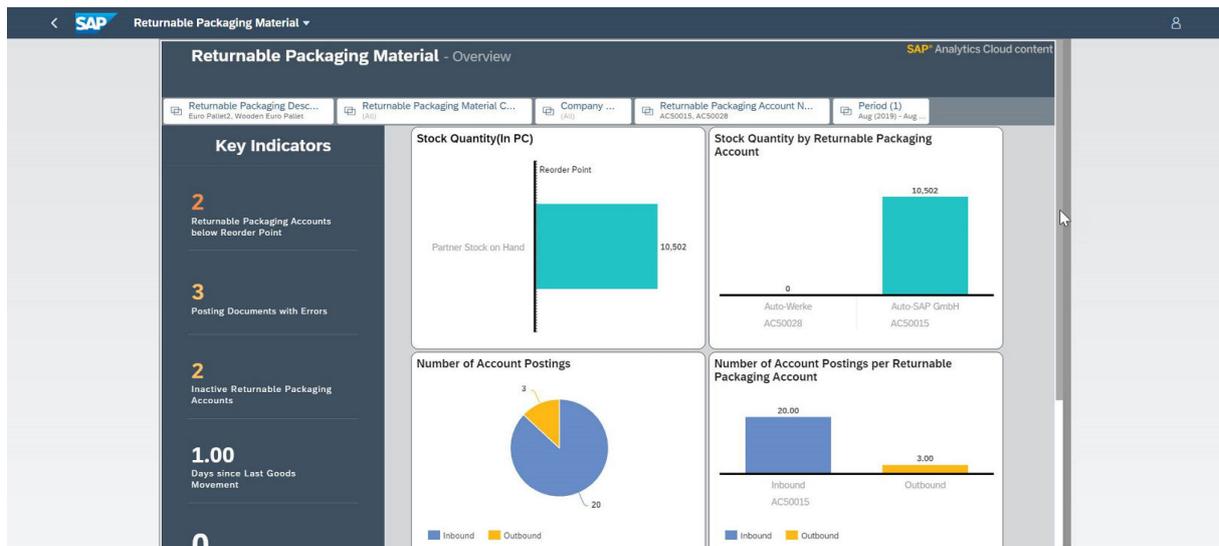
Fitting visualizations and context information with slicing and dicing capabilities.

Decision Making Made Easy

As a result, effective and efficient analysis of data leads to better management of Returnable Packaging.

Data Connectivity

Based on HANA Live Connection to SAP Returnable Packaging Management.



4.2.26 SAP Consumer Products: Revenue Growth Management – Foundation

For the Revenue Growth Management scenario, sales order information, material sales and information on promotions are foundational information. The Overview page shows net values, cost and promotion plan material sales volume at a glance.

Sales Orders

Gain further insights into the sales orders and drill down sales order values and costs by ship-to party, sales organization, business area and other dimensions. Analyze order values and cost over billing date.

Material Sales

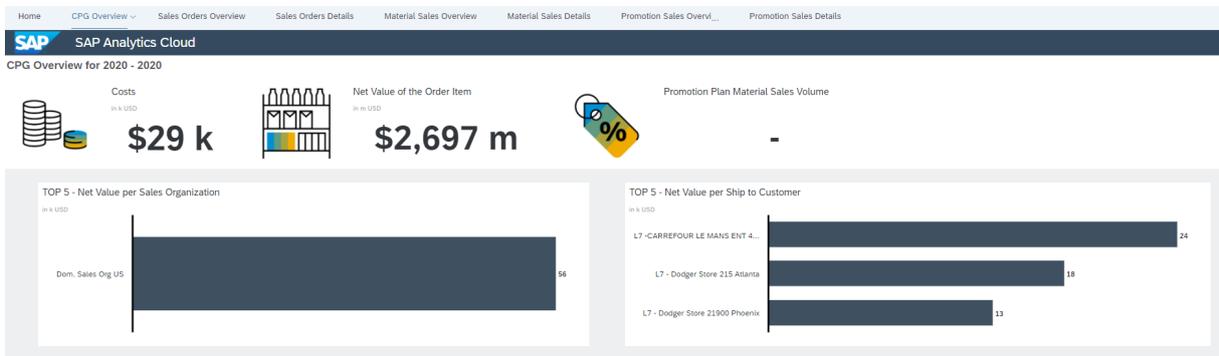
Analyze material value and cost by material category, material group, billing date

Promotion Sales

Analyze planned promotion sales volumes, planned gross revenues, planned sales quantities and drill into promotion details.

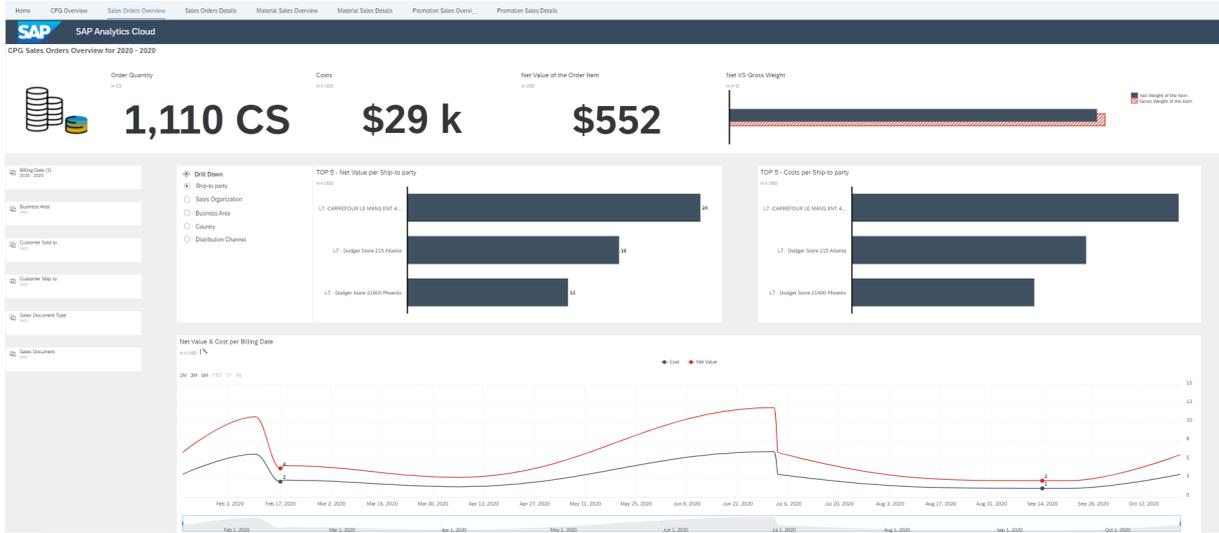
Data Connectivity

Based on SAP Data Warehouse Cloud live connection (S/4HANA)



This section displays detailed material sales data. It includes a navigation sidebar on the left with filters for Billing Dates, Material Group, Material Category, Material type, Material, Sales Organization, and Customer Group. The main area contains a table with columns for Material Number, Ship-to party, Plant, Cost, and Net Value. Each row is accompanied by horizontal bars representing the Cost and Net Value.

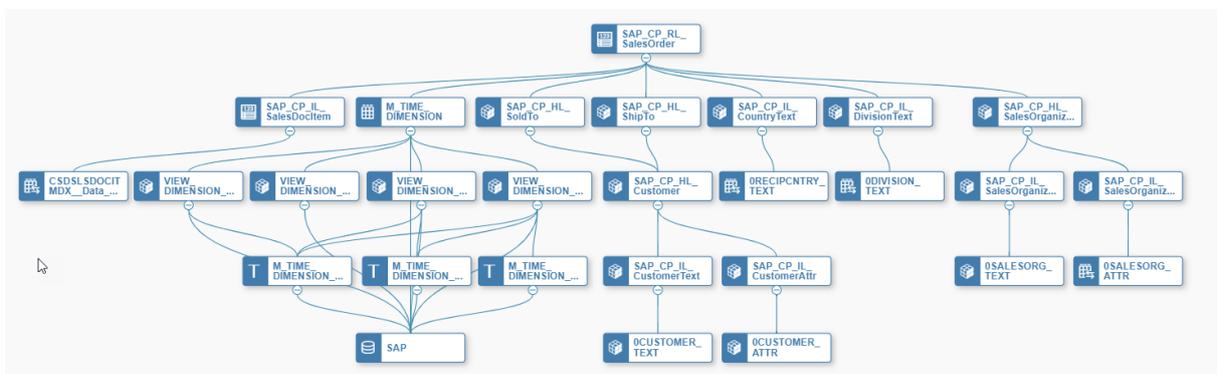
Material Number	Ship-to party	Plant	Cost	Net Value
00000000000100022	TMCH700001	Plant 1 US	\$297 m	\$568 m
00000000000100023	TMCH700000	Plant 1 US	\$297 m	\$582 m
00000000000100004	TMCH700006	Plant 1 US	\$279 m	\$522 m
00000000000100023	TMCH700001	Plant 1 US	\$148 m	\$291 m
00000000000100032	TMCH700000	Plant 1 US	\$114 m	\$213 m
00000000000100040	TMCH700000	Plant 1 US	\$110 m	\$205 m
00000000000100041	TMCH700000	Plant 1 US	\$100 m	\$187 m
00000000000100042	TMCH700006	Plant 1 US	\$68 m	\$129 m

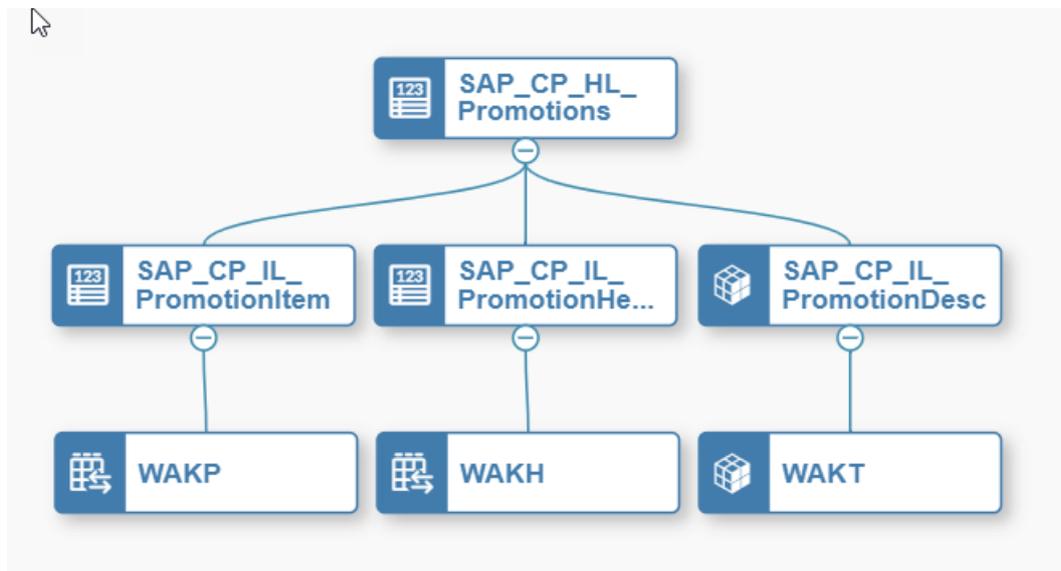


Architecture

Three main harmonized views are used to build the SAP Analytics Cloud story:

- Sales Order
- Material Sales
- RGO Use Case





4.2.27 SAP High Tech

Here you can find the important highlights of the Industry SAP High Tech

Overview

A 360° financial health and performance view for High Tech (3D Printer) company. Dive into product sales, revenue and expense by products to understand the areas that are impacting your bottom-line profit and areas for growth.

Plan and Simulate

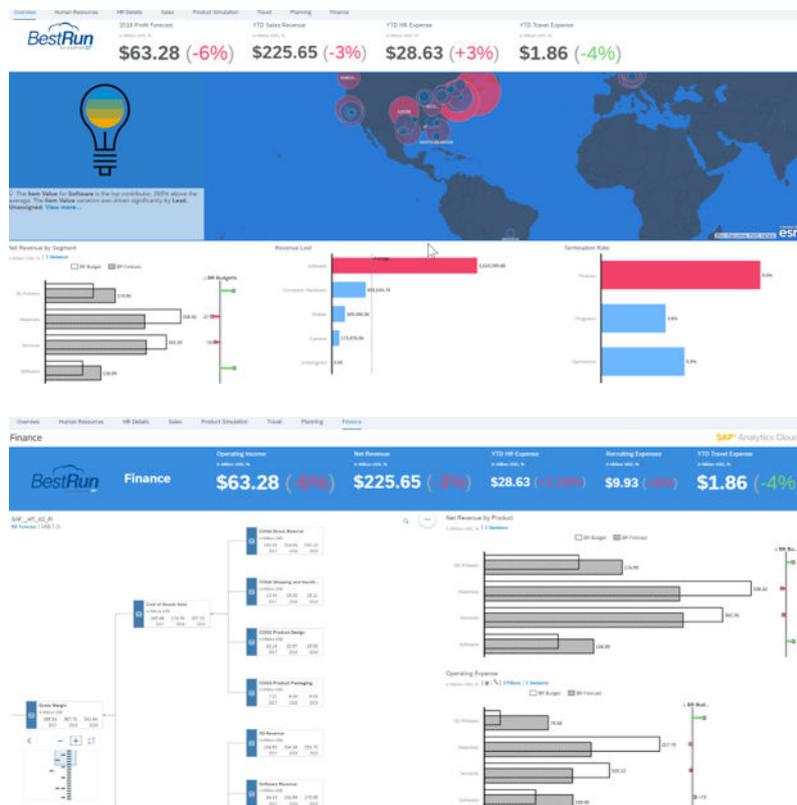
Connect areas of your business and run simulations in one area to see how it will impact other areas. They are typically made up of four different node types, each performing different functions. Running a simulation can project how much you are likely to make in coming years. This information can help inform business decisions such as increasing inventory to match projected demand, allocating resources to hiring more staff, or justifying the cost of a new campaign.

Integrated Status of each LoB

Understand the correlation between different Line-of-businesses within the organization and how it affects the financial health of the company.

Data Connectivity

S/4 HANA, CRM, Concur, SuccessFactors, Ariba, and Fieldglass.



4.2.28 SAP Public Services: Higher Education & Research

Here you can find the important highlights of the Industry SAP Public Services: Higher Education & Research

Finance

Assessment of budget definition and budget consumption for the year. Funds Management analysis and key financial indicators such as revenue, expenditure and receivables/payables.

Grants

Budget Commitment and Actuals

Manage Budgets for Grants, comparing the Released and Current, as well as Available Budget. Drilling down by Grant type, Sponsored Program and Class.

Grant Lifecycle

Breaking down the Grant Lifecycle Stages and Grant User status, analyzing Completion and Closing rates as well as the distribution of Grants by Type.

Students

Enrolment

Analyze Students Enrolment, including capacity by Faculty and Instructor. Furthermore, analyze Grade distribution and passed ratios.

Demographics

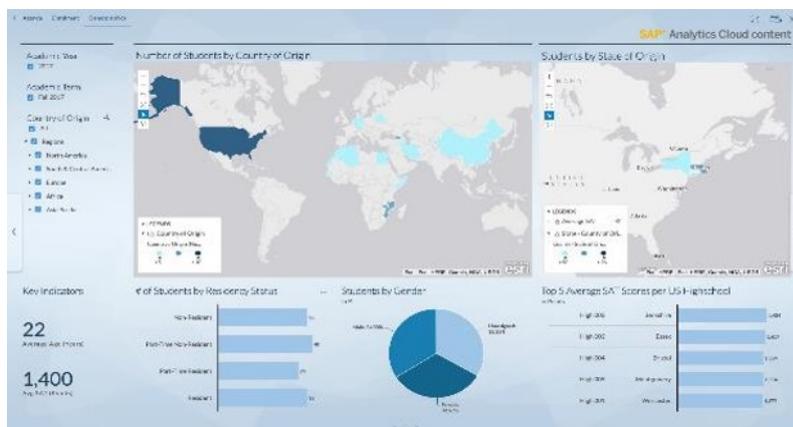
Analyze Diversity and High-School Performance of recruited Students. For Example, Gender Diversity and Residency Status.

HR

Overview of the most important HR topics.

Data Connectivity

Several data source used, such as BW, SAP Student Activity Hub (HANA Connectivity), SAP SuccessFactors.





4.2.29 SAP Public Services - Volunteer Workforce Management

Volunteer Workforce Management

A user gets an overview of the agency's volunteer workforce and its readiness, i.e. qualifications, to help with a certain type of an emergency incident.

In the **Volunteers** overview, a user gets transparency about the number of the agency's volunteers and the number of professional qualifications they attained in this financial year. She also infers the percentage of volunteers who did not yet acquire a certification.

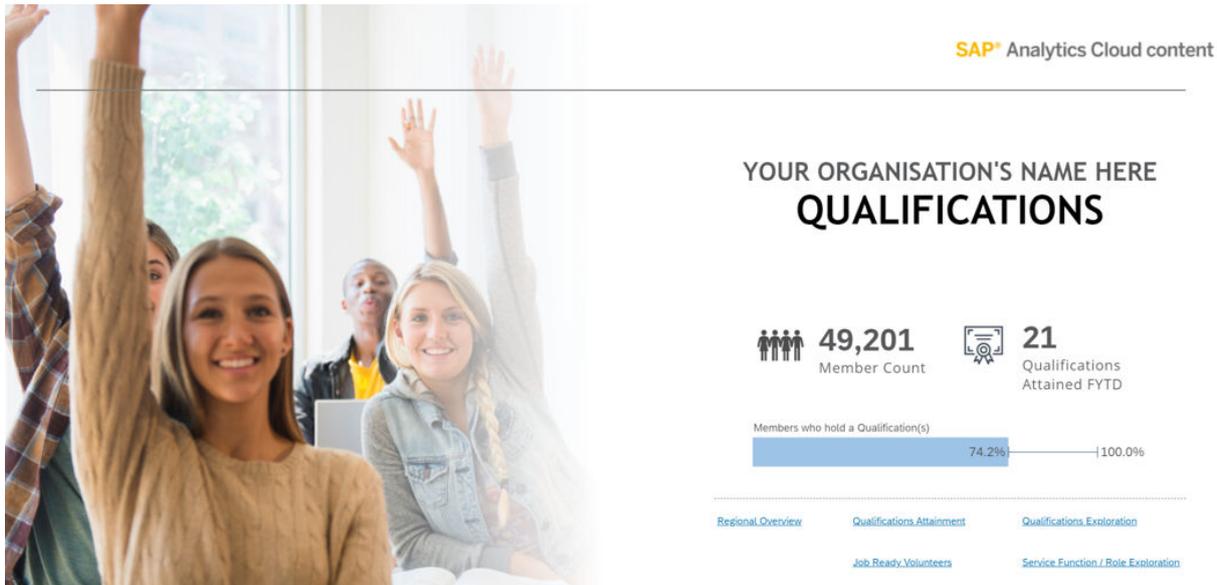
In the further story pages, a user gets a closer insight into the gender, geographical, and age diversity of volunteers. She is also provided with an opportunity to inspect qualification attainment per different volunteer groups.

A user can also see historic trends in attainment of different qualifications for both males and females. She is provided with a closer look on the time trend for the current financial year.

A user can quickly react to the real time incidents by inspecting required volunteer skills and drilling down to the individual names of members qualified to assist in an emergency.

Connectivity

Based on an import connection (flat file, original data source: SAP ERP Central Component, LSO module)



4.2.30 SAP Real Estate

Here you can find the important highlights of the **Real Estate Management** package for the current release. This dashboard provides real time insights on your real estate property portfolio.

Real Estate Portfolio Management

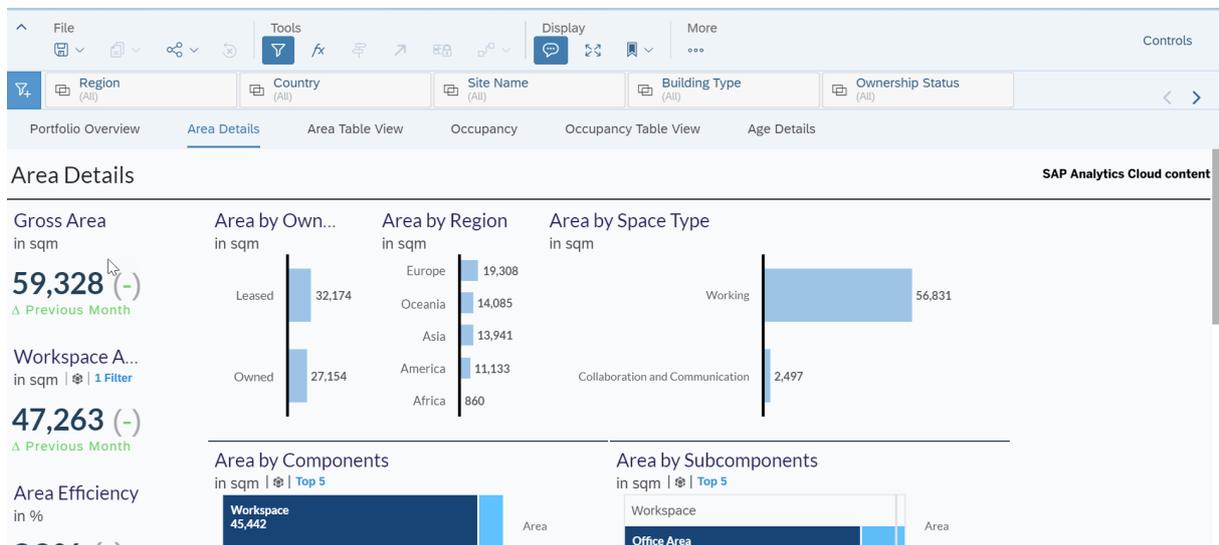
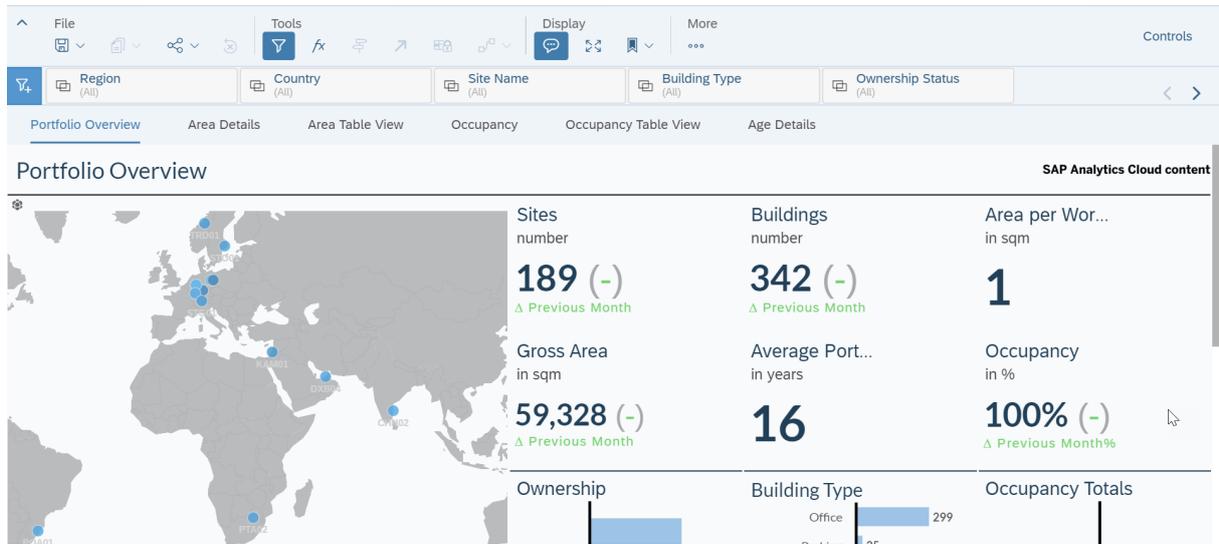
Real estate manager get a Portfolio Overview globally, regional or on site level. Indicators like size, age, occupancy and ownership are visible high level and allow further deep dive for details. Various story filters support quick access to most relevant key figures.

Occupancy Details contribute to an efficient workplace management. The number of target capacity compared to occupied and available workplaces - separated by workplace types like dedicated, shared or hot desk, allow this insight to action.

Area Details provide insights on space and their usage, for example, workspace area (offices, meeting rooms, office corridors) compared to other area components, like storage, parking among others.

Building Details provide insights on the portfolio age. Compare regions, indicate oldest and largest buildings where investments might be required.

A **table** view provide additional features such as exporting master data.



4.2.31 SAP Utilities: Meter to Cash

The industry content **Utilities – Meter To Cash** helps customers to analyze the end to end flow from metering to billing:

- Analyze gaps in the metering flows
- Find root cause of **non-billable** instance

For each area find relevant measures and also a broad data model in place to go beyond this scenario. Start with an overview page with important KPIs and navigate to more information in the respective areas:

Reading

Reading overview and details: All meter reading data and reasons for the register of a device

Maintenance

Maintenance overview and details: Explore Volume of Maintenance and drill-down to Work Center, Location and Creation Date.

Billing Orders

Billing overview and details: Overview on billing orders created when an installation is to be billed. Filter and drill-down to billing transaction status or installation.

Payment

Payment overview and details: Payments and Duration of Clarification Activity. Drill-down to Creation Date, Payment Types & Source Types, filter on Business Partner or Company Codes

Account Receivable

Account receivable overview and details: Amount, Clearing Amount presented for Main transaction, Sub transaction, Clearing Reason, and Account Determination

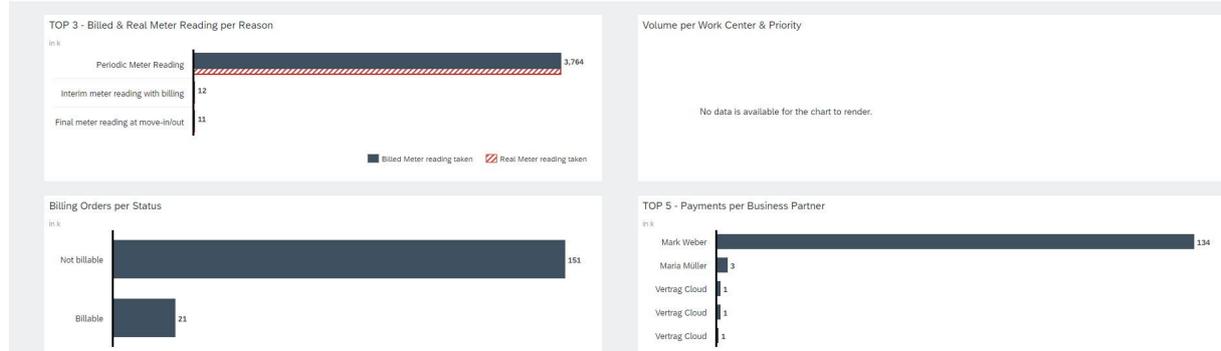
Data Connectivity

Based on SAP Data Warehouse Cloud live connection (S/4HANA)

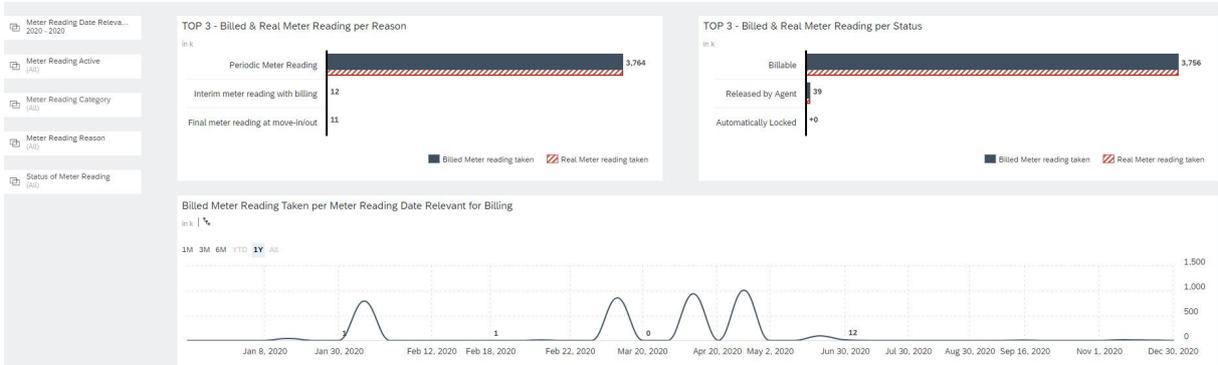


SAP Analytics Cloud

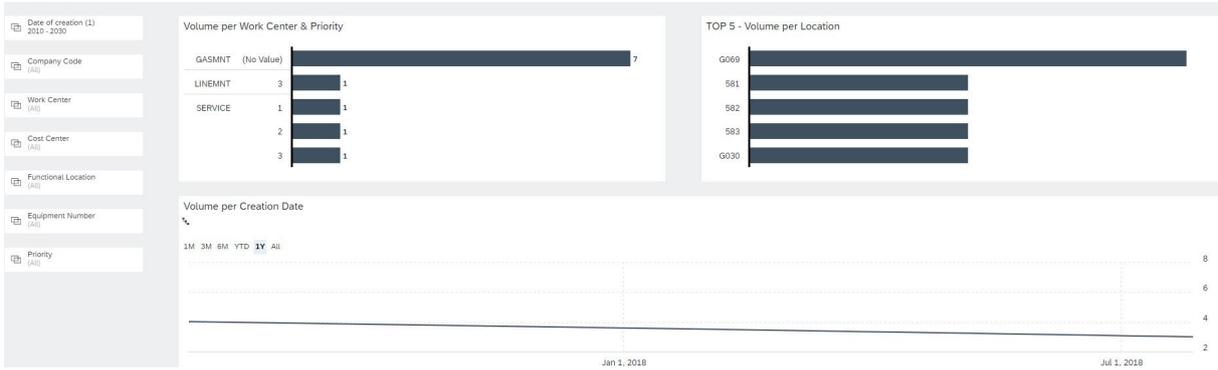
Utilities Overview for 2020 - 2020



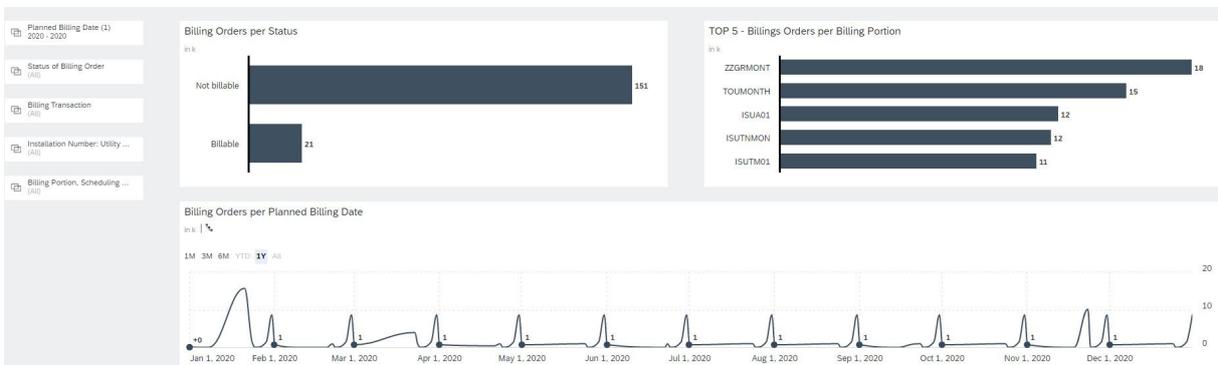
Utilities Reading Overview for 2020 - 2020

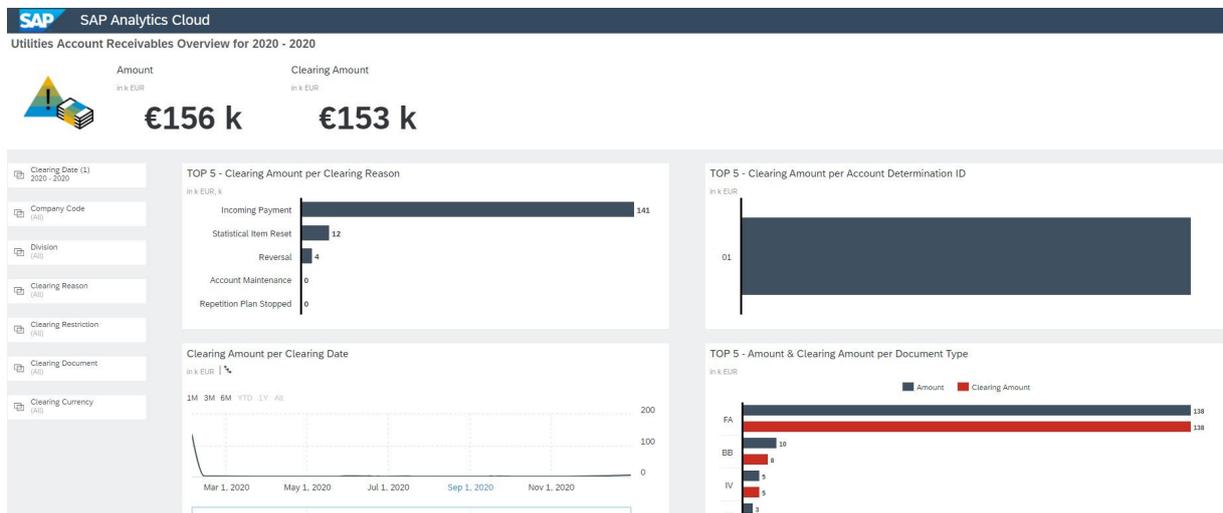
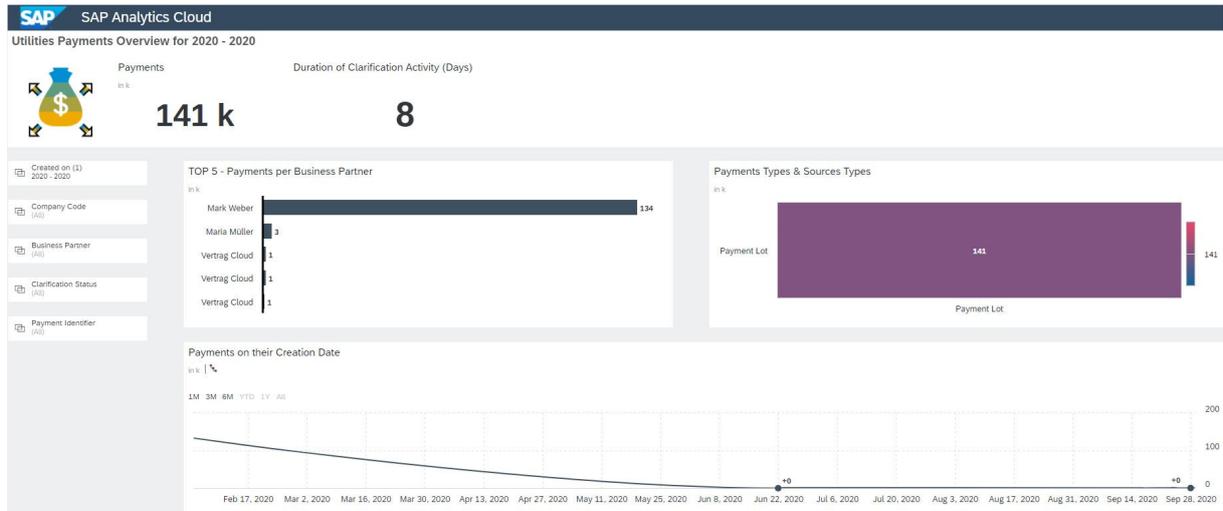


Utilities Maintenance Overview for 2010 - 2030



Utilities Billing Orders Overview for 2020 - 2020





Architecture

Five main harmonized views are used to build SAP Analytics Cloud dashboard:

- Harmonized View on Meter Reading Data
- Payments
- Billing Orders
- Business Partner Item
- Maintenance Items

The package contains further objects covering basic utilities information and will allow further and broader analysis:

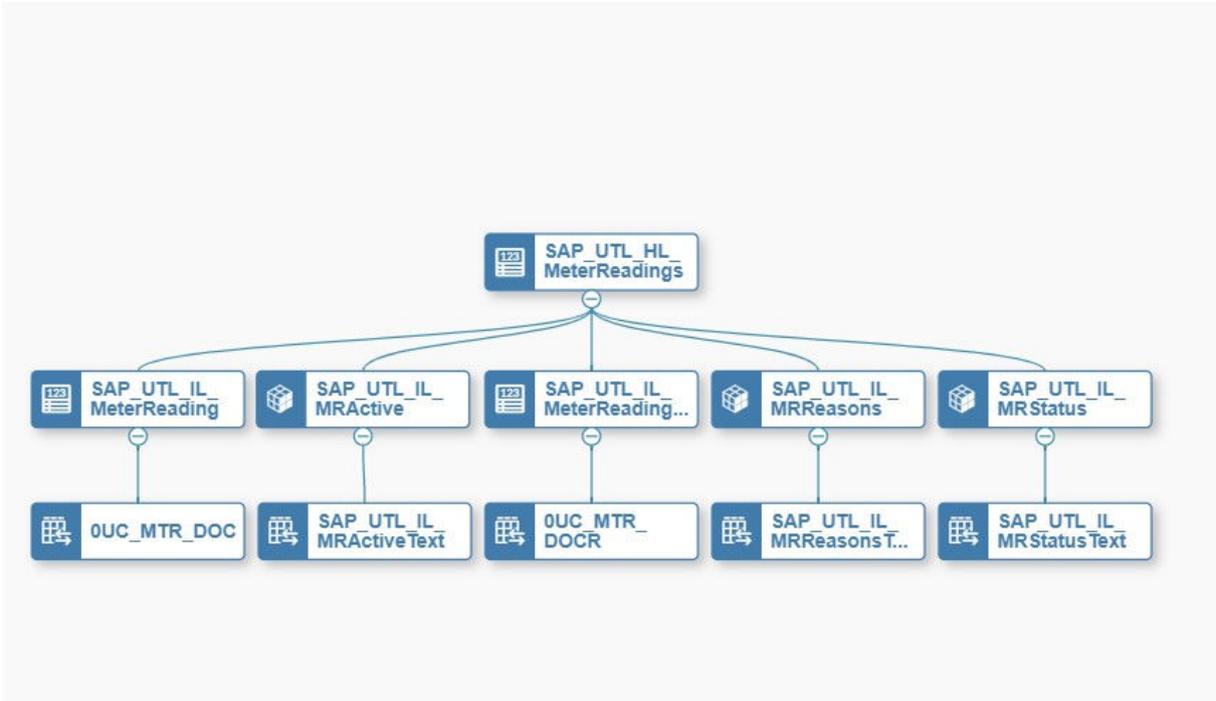
Master Data: 25 master data views offering time-independent and time-dependent data on point of delivery, contract number, installation, device and business partner

Energy Data Management: 21 views showing meter reading, billing orders, device allocation, settlement, point of delivery and profile detailed data

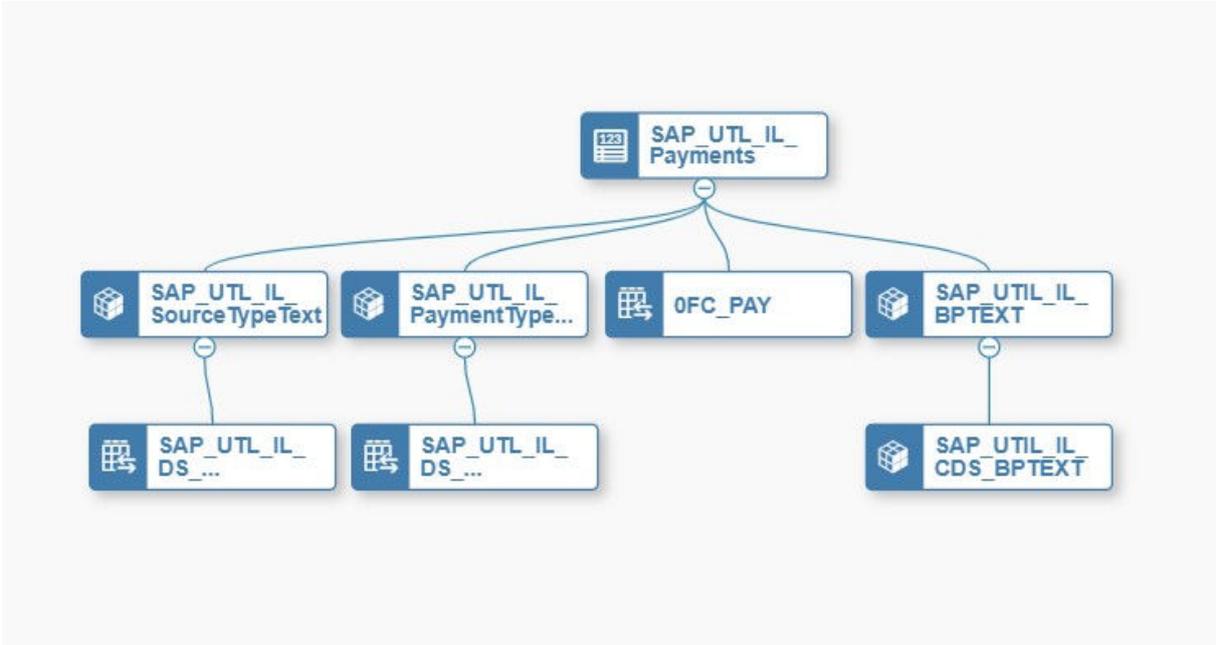
Financial: 7 views presenting business partner item, payments, returns, dunning activities and installment plans data

Maintenance: 8 views offering maintenance items, equipment, functional location and work centers

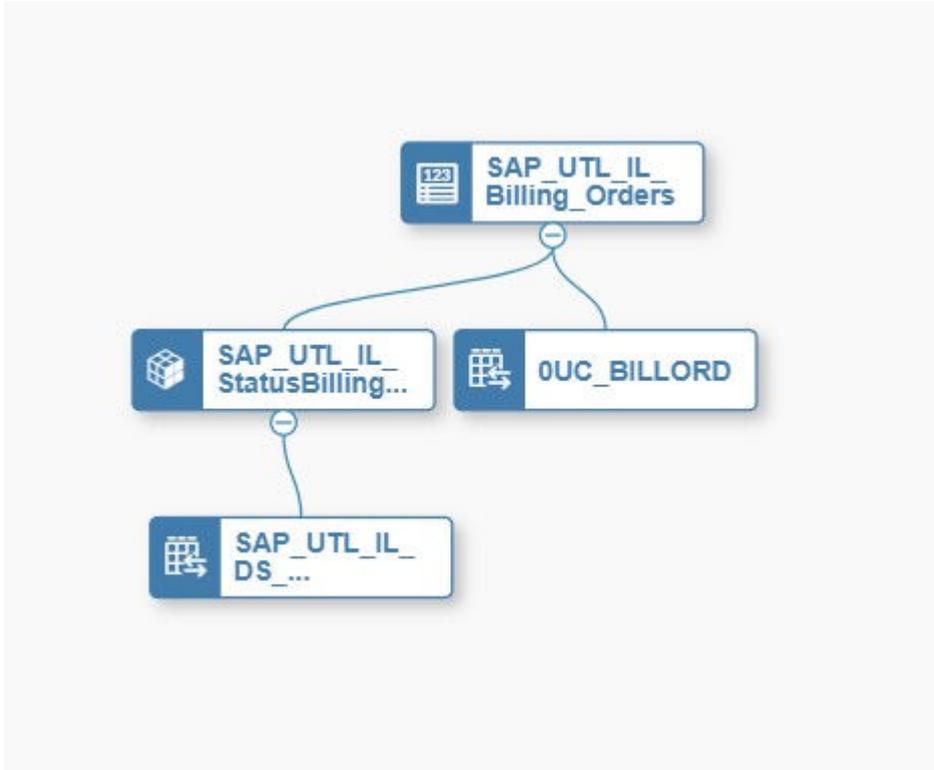
Harmonized View on Meter Reading Data



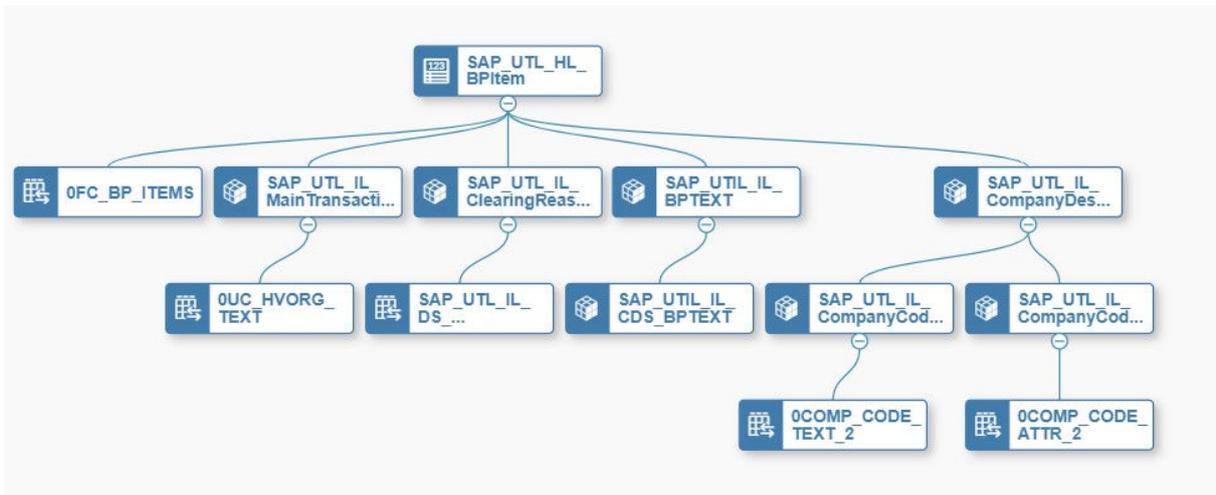
Payments



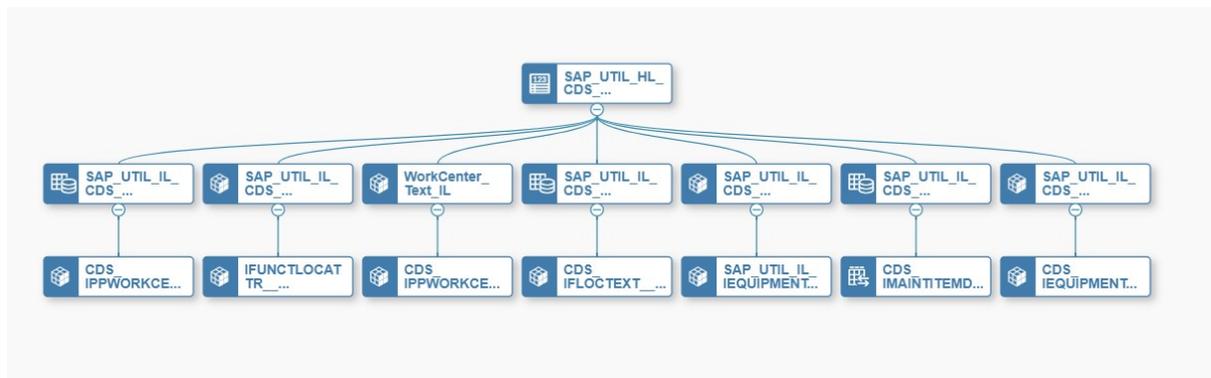
Billing Orders



Business Partner Item



Maintenance Items



4.2.32 SAP Sports One Analytics Version 2

Here you can find the important highlights of the Industry Sports One Analytics.

Overall Transparency

360 degree overview of all sports areas of a club, e.g. Team Management, Health, Performance Diagnostics, Load, Training Planning, Scouting and many others.

Deep Insights

360 degree overview of a team, a position or a single player / athlete.

User Experience

Fitting visualizations and context information.

Possibility of ad-hoc analyses to go even more into data details to find hidden results.

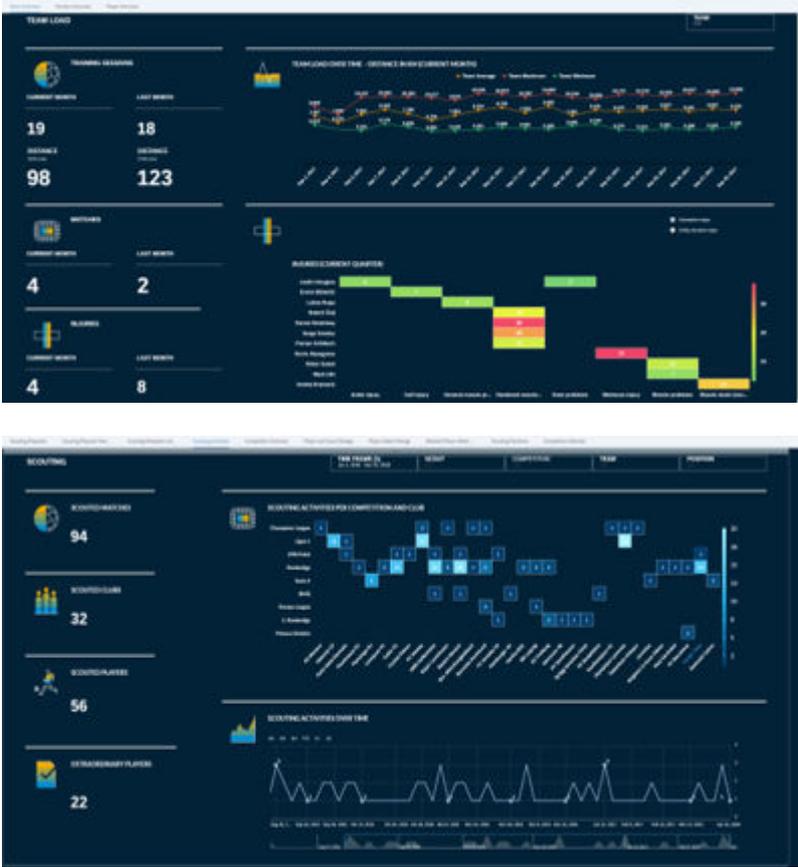
Decision Making Made Easy

As a result:

Effective and efficient root-cause analyses to identify risks and opportunities in the club and decision making support.

Data Connectivity

Based on HANA Live Connection to an SAP Sports One cloud system.



4.2.33 Supply Demand Overview for SAP S/4HANA Fashion and Vertical Business

Overview

With SAP Analytics Cloud content for the supply and demand overview, fashion companies can leverage consistent business intelligence to drive business decisions on fulfilling customer orders and supply planning based on better visibility into the demand and supply situation.

With this content you can:

- Analyze the overall demand situation and its fulfillment rates.
- Analyze the supply availability and supply delivery delay and there by optimizing supply chain planning.

- Analyze reference rates of sales contracts.
- Analyze the reasons for customer returns and rejections.

Order Fulfillment

Provides visibility of the overall demand and supply situation.

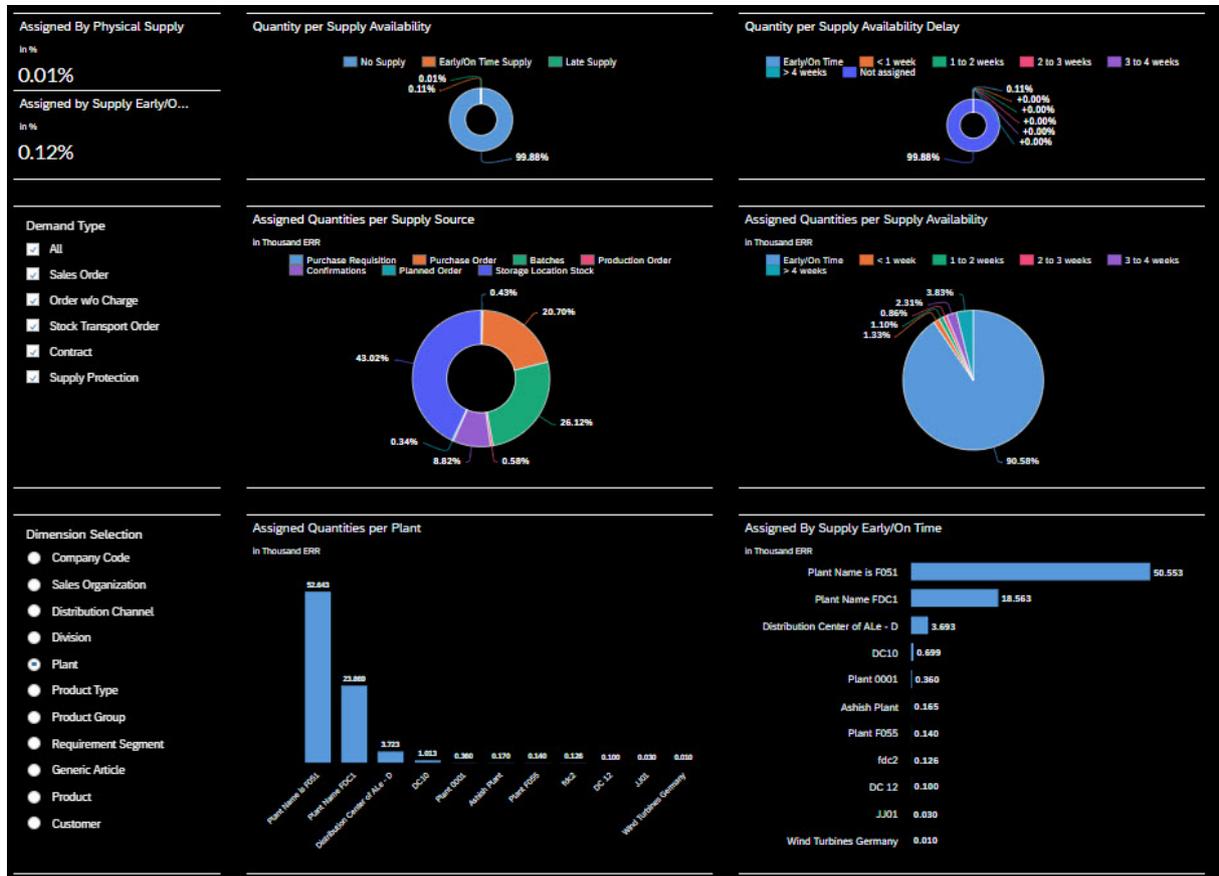
The order fulfillment information with respect to Supply Demand Overview by Location, Fulfillment Overview, Supply Coverage Overview, Sales Orders with Exceptions, Contracts Overview, and Rejections and Returns are displayed.

Delivery Performance

Provides an overview of the delivery performance of the current situation of demand documents that are ready for delivery and open for delivery.

Data Connectivity

Based on CDS Views from S/4HANA system.





4.2.34 Telco Customer Profitability Analytics

Here you can find the important highlights of the Industry Telco Customer Profitability Analytics.

Overview

In telecom industry, communication service providers (CSPs) need to identify the sources and causes of subscription-related and service-related margin issues, so that they can make informed decisions and take immediate action. The CSPs can analyze and visualize trends related to margin, revenue, and other key performance indicators (KPIs) such as product offerings or customer usage patterns at an aggregated level.

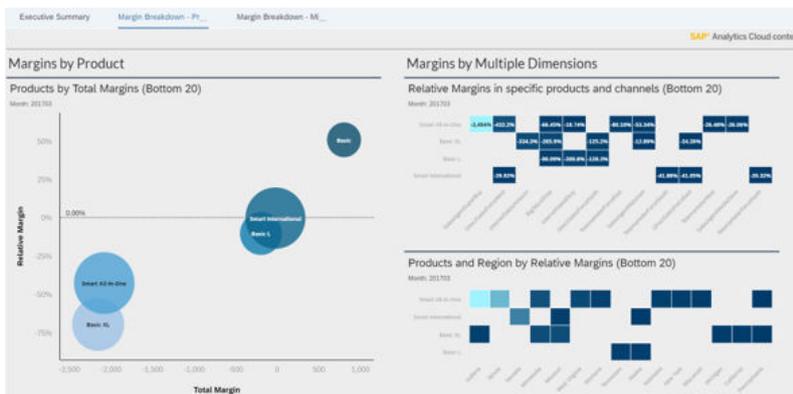
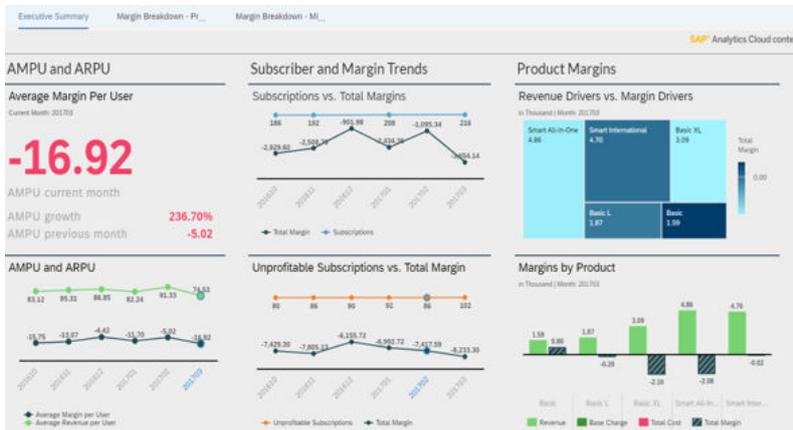
Key Features

- Executive Summary of AMPU, ARPU, and interesting trends
- Visualization of Margin breakdown by Products
- Story of Margin breakdown based on other key factors

Stories In-Detail

- AMPU month-on-month growth charts

- Trend chart for Unprofitable Subscriptions with Total Margin
- Comparison of Revenue and Total Margin aggregated for various Product Offerings
- Heat maps to visualize margins based on multiple dimensions
- Visualize the impact on Margin due to factors like Region and Sales Channel



4.2.35 Trade Management

Overview

Trade Management provides content in the areas of Customer Business Planning and Advanced Trade Management Analytics.

Key Stories

Monthly Sales Review

The Monthly Sales Review Dashboard and the specific detailed KPI pages are used by consumer products manufacturers to review the performance of retailers and categories right down to product level. The key audience targeted comprises sales directors and key account managers (KAMs).

Sell-In/Sell-Out Comparison Report

Provides an overview of sell-in and sell-out volumes based on a common unit of measure and shows how the retailer's stock builds up and reduces over time.

Retailer View

In consumer products industries, the KAM often talks to the retailer to review how the business plan is progressing and to discuss upcoming and completed activities such as trade promotions. It is important that a KAM can access key information on the plan from a retailer's perspective. This includes data such as retailer profit and retailer margin. Typically, the retailer uses a formula to calculate his margin that is different from the one the manufacturer uses. Sell-out data is also very important for this scenario.

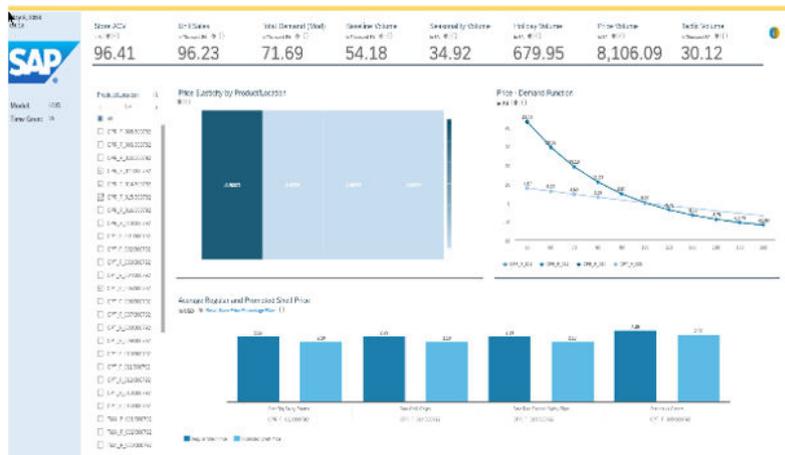
Trade Promotion Details

In consumer products industries, the KAM needs an overview of the planned promotion and, following execution of the promotion, a comparison between planned and actual values. The KAM also needs to be able to see the key promotion details quickly in a compact format. Filtering by shelf or list prices, applied merchandizing tactics, or KPIs is also required for reporting purposes. After the promotion has been executed, information on how the promotion performed (planned vs. actual) is also needed.

Data Connectivity

Full integration with the standard P&L in SAP Customer Business Planning based on out-of-the-box HANA calculation views.





4.2.36 Utilities

Financial Performance

General assessment of financial performance as information to the management board – based on P&L, investments, and account positions.

Revenue Assurance

Analyze the liquidity trend: Contract Accounts DSO & Overdue Items (from FI-CA). Billed/unbilled revenue (from IS-U Sales Statistics).

Customer Engagement

Analyze customer activities (from IS-U Partner Contacts) and sentiments (from SAP Marketing). Report on payment behavior and dunning activities (from FI-CA).

Renewable Energy

Analyze contracts and billed/unbilled revenue for renewable products to see how well the initiative is received in the market.

Capital & STO Projects

Investment Decisions for Capital and STO (Shutdowns, Turnarounds, and Outages) projects. Analyze portfolio items and financial plans.

Human Resources

Overview of the most important HR topics, including Recruitment.

Environment, Health & Safety

Report on current status on incidents, near misses and safety observations including root causes and areas of concern. Report on Greenhouse Gas Emissions.



4.3 Partner Packages

The following packages are developed by SAP Partners and are available in the Content Network.

Content Package Name	Developed by
Finance and Controlling	A41S Avantum
Logistics and supply chain	Abaco Consultores
Retail Solution	Akili
Alcohol and Beverages Transformation	Aqoia
Digital Edge Solution (Automotive)	Aqoia
People Science	Blueprint
Sales Funnel Dashboard	Blue Reply
Revenue Recognition	Bramasol
Leads and Opportunity Management	Cognizant
Equipment Effectiveness	Cognizant
Spend Analytics Solution	Cognizant
Analytics for SAP Lease Administration by NAKISA	Comerit
Like for Like Method Retail	CTAC
RFM Method Retail	CTAC
Shelf Optimizer	CTAC
App Catalogue	Dahlbeer
Product Portfolio Planning	Dahlbeer
ARAPP	Dahlbeer
Cost to Serve	Delaware
Financial Statement	Ernst & Young
Sales Analysis	Incture
Corporate Finance	Infomotion
Retail HR – Store Analytics	Infosys
Utilities 360 – Energy Supply	Infosys
AR Reporting	Infosys
Business Trip Planning	Infosys
Org Review for CPG	Infosys
Retail Industry Financial Solution	Infosys
Qualtrics Employee Engagement Survey Solution	Infosys
Load Monitor	Innologic
ZoomIn Sales Analytics	Intellect Bizware

Content Package Name	Developed by
ZoomPro Project Analytics	Intellect Bizware
IT.Analytics CXO Dashboard	Intelligence India
Gross Profit and Revenue Analysis	Intelligence Nordics
Finance Dashboard	Intelligence Turkey
CRM to Go for SAP Analytics Cloud	Maihiro
Data Privacy and Protection	Mibcon
Raw Material Planning	MSG Systems
Activity Based-Costing	MSG Systems
Vendor Risk Rating	Nimbl
Headcount Planning	Nimbl
IT Infrastructure Monitoring	NTT Data
easyBI Tiles	Plus-IT AG
ProTime Analytics	Process Partner AG
iPlan	Protiviti
Demand Forecast Planning	Prowess Enterprise
Employee Attendance	Prowess Enterprise
Retail Data	Prowess Enterprise
Predictive Analytics	PwC
SHARP HR Analytics	Renew HR
Digital Marketing Analytics	RW Consulting
Material Analytics Solution	SAVIC
Planning and Production analysis	SAVIC
Finance Analytics	SAVIC
Contract and Lease Management Analytics for SAP HANA	Sierra
Opportunity Pipeline Reporting	Syntax
Financial Planning	Syntax
Price Volume Mix (PVM)	TruQua
Social Media Sentiment Analysis	TruQua
Access Control Inventory	VASPP
Cap-Ex Planning	VASPP
Ideal Supplier Identification	VASPP
Inventory Optimization	VASPP
Process Control	VASPP
Spend Analytics	VASPP

Content Package Name	Developed by
Employee Experience Analytics	VASPP
HR IT Metrics	VASPP
Retail Seasonal Forecasting	VASPP
Revenue by Plant Maintenance	VASPP
Request Accommodation for Disability Act	VASPP
Accounts receivables	Visual BI
Sales and Distribution	Visual BI
Upstream Oil & Gas	Visual BI
HR Management	Visual BI
Production Analytics	Visual BI
Location Analysis	Visual Crossing
Weather analysis	Visual Crossing
Supply Chain Performance	Westernacher
Energy Usage	WIPRO

4.4 Planning Content

Content Package Name
Finance [page 18]
Finance: Operational Expense Planning and Analysis [page 33]
Financial Planning & Analysis for SAP S/4HANA Cloud (SAP Best Practices) [page 29]
Human Resources Salary Planning [page 51]
Integrated Financial Planning for SAP S/4HANA Cloud [page 53]
SAP Product Carbon Footprint Analytics [page 104]
Banking [page 151]
Chemicals [page 152]
Insurance [page 161]
Oil and Gas [page 166]
SAP High Tech [page 192]
SAP Integrated Business Planning [page 52]
Liquidity Planning for SAP S/4HANA Cloud (SAP Best Practices) [page 64]
SAP S/4HANA Procurement Cloud Content with SAP Analytics Cloud [page 106]

Content Package Name

[Product Cost Planning \[page 70\]](#)

[Project Budgeting & Planning for SAP S/4HANA Cloud \[page 71\]](#)

[Project Staff Planning \[page 72\]](#)

[SAP CRM - Sales Performance and Planning \[page 87\]](#)

[Sales Planning for SAP S/4HANA Cloud \[page 77\]](#)

[Travel & Expense - Concur \[page 142\]](#)

[Workforce Planning for SAP S/4HANA Cloud \[page 148\]](#)

[Supply Chain Management – Extended Service Parts Planning \[page 140\]](#)

4.5 Best Practice Solution Packages

General

SAP Best Practices offer comprehensive solution packages which also include SAP Analytics Cloud content as an option for analytics.

The following is the list of Best Practices packages available in the Content Network:

- [Financial Analytics Dashboard for SAP Analytics Cloud \[page 27\]](#)
- [SAP SuccessFactors Workforce Planning \(SAP Best Practices\) \[page 110\]](#)
- [Financial Planning & Analysis for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 29\]](#)
- [SAP S/4HANA Procurement Cloud Content with SAP Analytics Cloud \[page 106\]](#)
- [SAP S/4HANA Sales Analytics Content with SAP Analytics Cloud \[page 108\]](#)
- [Sales Planning for SAP S/4HANA Cloud \[page 77\]](#)
- [Treasury Management for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 144\]](#)
- [Workforce Planning for SAP S/4HANA Cloud \[page 148\]](#)
- [Receivable Management Cloud Content with SAP Analytics Cloud \(SAP Best Practices\) \[page 75\]](#)
- [Project Budgeting & Planning for SAP S/4HANA Cloud \[page 71\]](#)
- [Liquidity Planning for SAP S/4HANA Cloud \(SAP Best Practices\) \[page 64\]](#)
- [HR Analytics for S/4HANA Cloud and SAP SuccessFactors \(SAP Best Practices\) \[page 40\]](#)
- [Sales Planning for SAP S/4HANA Cloud \[page 77\]](#)

For detailed information on the offerings, documentation, and configuration guides, visit [SAP Best Practice Explorer](#).

5 Known Issues and Restrictions

This topic provides information about the known issues and restrictions specific to each content package in the Content Network.

Issue	Solution	Valid from / to SAP Analytics Cloud version
Number Formatting lost for Chart Type Numeric Point for imported stories.	Re-assign the correct Number Formatting in Styling	2016.24.x
Broken Page Filters in Story "SAP Chemicals: Pipeline Health": Segment, Customer Region and Material Group in combination with table.	Use a different chart	2016.24.x fix planned for 2016.25.x
You do not see the folder SAP_Content after you have imported a content package. Only the folders SAP_BPE_Content_Delivery and / or SAP_GEN_Content_Delivery exist. Newly imported content can be found in folder SAP_GEN_Content_Delivery.	You have imported content prior to release SAP_SAC_CONT_2017_19. With release SAP_SAC_CONT_2017_19, the folder structure for the content has changed. All content will only be presented in the public folder SAP_Content going forward. Content imports currently does not update all folder names. Please re-name SAP_GEN_Content_Delivery to SAP_Content and add the description SAP Analytics Cloud content.	2017.19
HR-SPL content: Salary_Overall account uses Exception Aggregation in the modeler, which results to wrong Variance analysis figure when being created in charts (known issue).	Workaround (not implemented in the content): Create two specific new accounts using Resultlookup formulas, which retrieve Actuals (1) in the first one and Budget (2) in the second one. Then, create a third account which does 2 minus 1, and use it in a table, activating the In-Cell chart capability.	2018.1.4 –
HR-SPL content: Once employees are assigned to a paygrade and a location on a public version, there are wrong units %*€ displayed, which prevents the Salary_Overall aggregation to show up.	Once data entry is done for the assignments of an employee, please save and publish the version to have correct unit displayed.	2018.1.4 –
Cost Centre planning and Budgeting: Number Formatting lost for Chart Type Numeric Point for imported stories.	Re-assign the correct Number Formatting in Styling	2016.24.x -

		Valid from / to
		SAP Analytics
Issue	Solution	Cloud version
Cost Centre Planning and Budgeting: Broken Page Filters in Story SAP Chemicals: Pipeline Health: Segment, Customer Region, and Material Group in combination with table.	Use a different chart	2016.24.x The fix is planned for 2016.25.x.
Supplier Performance: SAP Supply based Optimization:	Re-assign the correct Number Formatting in Styling	2016.24.x -
	<ul style="list-style-type: none"> • Number Formatting lost for Chart • Type Numeric Point for imported stories 	
[SAP Intelligent Returnable Packaging] The filters show few values to be inactive due to cascading effect.	To set a filter initially set all filters to all and then choose the cascading as required.	

SAP Product Carbon Footprint Analytics

Supported S/4HANA System Releases

- S/4HANA On Premise: 1909 FPS1
- S/4HANA Cloud: 1911 or later

Related to S/4HANA Data Import

- Currently, only quantity structures as defined by product cost estimates from S/4HANA are used (not as-is / actual quantity structures).
- - When importing entries of the quantity structures, all entities with zero amounts are excluded by the S/4HANA API. Only those structures with a non-zero cost are imported to SAP Analytics Cloud. Refer to SAP Note [2922844](#) for a correction to ensure that also quantity structures with a zero amount are imported. (This correction will be delivered with S/4HANA OP 1909 SP3.)
- A financial planning calculation run for the product cost estimates in S/4HANA needs to be executed before replication into SAC.
- Product cost estimates need to be calculated on group / enterprise level to ensure that intercompany processes are reflected correctly.
- Only products are imported that have been sold in the past (according to the fiscal year filtered in the import query).
- Certain kinds of updates to S/4HANA product quantity structures will not be reflected in this solution. Specifically, this refers to changes that include replacing certain materials or activities with different materials or activities in the product quantity structure, as well as changes that remove certain materials or activities from the product quantity structure.
 - As a workaround the customer should consider the following approach: Instead of deleting entries in the product quantity structure, a user should set corresponding quantities of materials or activities to

be removed to zero. New materials or activities can be created in the product quantity structure and will be replicated to the SAC data model correctly, as will updates in the maintained quantities.

- If semi-finished products are sold, these products will be available for CO2e maintenance
 - Note that direct emissions maintained on a semi-finished good will not be automatically aggregated up into direct emissions of a finished product that uses this semi-finished product
- All dimensions that feature hierarchies (for example, product or cost center) need a hierarchy entry maintained (or <root>) for data initialization to work correctly. Please note that missing hierarchy information (for example, no/empty value maintained) may cause data actions to fail without hints to the specific entry, so it is recommended to ensure existence of hierarchy information for all relevant dimensions.
- Depending on the S/4HANA configuration, the format of date periods imported can differ to what is expected, for example "PPP.YYYY" format versus "PPP/YYYY". In this case, the data will not be imported correctly in SAP Analytics Cloud. The administrator, during the configuration of the data connection and data import, should check the data formats. In case of mismatches, it is enough to re-create the query itself as a copy of the original query and adjust the date format accordingly. SAC will then with the new query store the configured S/4HANA date format and use it for this specific query.

Related to CO2e Data Maintenance and Monitoring

- CO2e values for raw materials are maintained on material level.
- Life Cycle Assessment (LCA) mapping needs to be done by user outside of solution.
- CO2e values for transport & direct emissions are maintained on product level.
- CO2e values for activities/energy are maintained on cost centre & activity type level.
- CO2e values can be maintained up to the precision of 1-gram CO2e.
- CO2e is calculated based on fiscal year and periods.
- Smallest time granularity for CO2e monitoring is 1 fiscal period (~30 days), i.e., dayspecific calculation is not possible.
- When the SAC content has been imported into a tenant with demo data, upon opening the Data Maintenance story for the first time, some tables may show a small warning sign towards their top related to data inconsistencies. This warning can be ignored; in particular it should vanish after executing the initialization data action once.

6 Support

This topic provides information about the process of requesting support for the content packages.

Content Packages

If you're facing any issues with a content package, then go to [SAP Support Portal](#) and create a request. You've to mention the component name for your package. You can find the component details below.

Component Details of Content Packages

Package Name	Component
Integrated Financial Planning for SAP S/4 HANA	CO-FIO-SAC-PL
SAP Intelligent Returnable Packaging	LO-RL
Receivable Management for SAP S/4 HANA Cloud (Best Practices)	CA-GTF-ANA-CNT-BPP
Treasury Management for SAP S/4HANA Cloud (Best Practices)	CA-GTF-ANA-CNT-BPP
SAP Business ByDesign	AP-RC-ANA-SAC
SAP SuccessFactors Visa and Permits Management	LOD-LH-VPM
SAP Master Data Governance - Data Quality Analysis	CA-MDG-ADQ
Procurement for SAP S/4HANA Cloud (Best Practices)	CA-GTF-ANA-CNT-BPP
Financial Consolidation for SAP S/4HANA Cloud (Best Practices)	CA-GTF-ANA-CNT-BPP
SAP Sales for SAP S/4HANA Cloud (Best Practices)	CA-GTF-ANA-CNT-BPP
Professional Services for SAP S/4HANA Cloud (Best Practices)	CA-GTF-ANA-CNT-BPP
Sales Planning for SAP S/4HANA Cloud (Best Practices)	SV-RDS-BPC
Workforce Planning for SAP S/4HANA Cloud (Best Practices)	SV-RDS-BPC
Financial Planning & Analysis for SAP S/4HANA Cloud (Best Practices)	SV-RDS-BPC
Liquidity Planning for SAP S/4HANA Cloud (Best Practices)	SV-RDS-BPC
Project Budgeting & Planning for SAP S/4HANA Cloud (Best Practices)	SV-RDS-BPC
HR Analytics with SAP Analytics Cloud (Best Practices)	SV-RDS-HCM
SAP Marketing	CEC-MKT-ISG-ME
SAP Field Service Management	CEC-SRV-FSM

Package Name	Component
Financial Analytics Dashboard for SAP Analytics Cloud	CA-GTF-ANA-CNT-BPP
SAP SuccessFactors Workforce Planning (SAP Best Practices)	SV-RDS-HCM
SAP Entitlement Management	LOD-EMS
Supply Demand Overview for SAP S/4HANA Fashion and Vertical Business	LO-RFM-ARN
Predictive Asset Insights	IOT-PDM
SAP Intelligent Asset Management	IOT-PDM
SAP Logistics Business Network - Supply Chain Network Analytics	SCM-LBN-II
SAP Integration Suite	OPU-API-OD-AN

i Note

If you didn't find your package in the above table, then your package is delivered as a template and they are not supported through the SAP Support Portal. For any issues with the templates, you can write to sap_analytics_cloud_content@sap.com.

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