

tate
consulting

*commercial engineering
at its best*



- building services
- fire engineering
- energy & sustainability
- masterplanning
- commercial engineering

Company Profile

ABOUT US

Tate Consulting is a building services engineering company that provides a strategic, flexible, experienced and innovative approach to delivering engineering and management consultancy services for its clients.



We have a proven track record in delivering client projects to the most demanding of timescales, within budget and with the lowest possible client risk. This specialist expertise and experience gives our clients the confidence and peace of mind from the outset that their project is in the best possible hands.

All our projects are led by a highly experienced Director and a team with a passion for delivering high quality commercial engineering solutions alongside an excellent level of service. As part of this approach, we focus on designing out systems rather than designing in complex and expensive kit and in seeking to balance the up-front capital cost of equipment and services against the associated life cycle costs of operating the building and provide options based on specific commercial requirements.

Our approach embodies the maximum possible contribution from each of the three pillars of environmental, economic and social sustainability.

We use this environmental expertise on a bespoke basis to maximise environmental and economic sustainability and to design in accessibility for all sections of society. These enhance the role buildings play in sustainable local communities.

In summary, we believe our commercial engineering approach and passion for delivering the highest levels of customer service sets us apart from other consultants and consistently delivers considerable added value to any project.

Our Directors



Shane Tate
Director



Jeff Bearcroft
Managing Director



Jim Lee
Project Director



Ray Cavanagh
Project Director

SECTOR EXPERTISE

- Logistics & Industrial
- Residential & Mixed Use
- Commercial
- Education
- Retail & Leisure



Asda Automated Home Shopping Distribution Centre | Dartford



Ballymore Developments, Royal Wharf | London Docklands



Public Records Office | Northern Ireland



Oldham 6th Form College | Oldham



Royal Elm Park | Reading

OUR SERVICES

Our engineers have worked for some of the largest consulting engineering firms in the UK, with extensive expertise across a variety of industry sectors.

We focus on providing high value, strategic technical advice and provide world-class technical excellence and project delivery skills on a bespoke and personal scale. The environmental impact of our work is at the heart of our values.

Building Services

To gain a better understanding of a building's behaviour against the natural elements such as the sun and the wind, we use complex building simulation modelling to predict the building energy use, and to influence concept design strategies. Our engineers assess the internal comfort conditions and the predicted energy demand of any building before we even consider designing the building services or putting a line on a drawing. This enables us to balance the positive contributions from natural resources, so that a building can have the lowest energy demand and operating cost throughout its whole life cycle. Our early attention to the preliminary building engineering services design enables us to provide critical information to project teams, such as builders' work information so that the building can be designed in an integrated way from the outset.

Electrical Engineering | Mechanical Engineering | Refrigeration Engineering | Public Health | Internal & External Lighting Design | Life Safety Systems | Lifts & Escalators | Process Control Systems, BMS & Instrumentation | Building Physics & Economics | Security & Communications | IT Infrastructure | Utility Infrastructure & Management | Site Surveys | CAD | CFD Modelling | Low & Zero Carbon Building Design | Whole Life Cycle Assessments | Expert Witness

Fire Engineering

We offer innovative fire engineered solutions to achieve fire safety and statutory compliance. We proactively engage with the local Fire Safety and Building Control teams at the outset to secure early buy in from all stakeholders involved which means reduced risk and cost exposure.

Fire Safety Engineering | Fire Fighting Access & Pressurised Escape Routes | Zone Modeling & Dynamic Simulation | Escape Time Analysis | Emergency Lighting Design | Fire Alarm Design | Enforcement Notice Management & Mitigation | Building Regulations & Technical Standards Compliance Work

Energy & Sustainability

We provide a range of energy and sustainability services ranging from BREEAM assessments, low carbon strategies, and energy auditing and renewable energy feasibility. Our approach is founded on the principles of saving energy and carbon and so our expertise in this area translates into everything that we do. For more than a decade, we have used our engineering skills to model the predicted energy consumption of buildings to help us design out, not in, building services. This not only reduces the energy required and the carbon footprint, but the capital, maintenance and operating costs of our client's businesses.

Low Carbon Building Design | BREEAM Assessments | EPC's | SBEM Part L Calculations | Energy/ Sustainability Assessments | Renewable Energy Feasibility, Design & Implementation | Energy & Carbon Reduction/Conversion, Energy Management & Strategic Planning | Site Energy Audits

Masterplanning

We have earned an enviable reputation with our customers for successfully master planning and managing the utility infrastructure requirements for development sites. Our experience spans across every market sector, whether it be a mixed use urban scheme or a four hundred acre industrial development park.

We have a proven track record of being able to acquire, masterplan, negotiate and manage the delivery of utility services and diversions on time, on budget and with reduced risk.

Utilities Infrastructure Load Profiling | Capacity Modeling | Master-Planning | Desktop Studies | Utility Enquiries, Searches, Diversions, Procurement & Management | Property Development And Pre-Acquisition Due Diligence | Street & Highway Lighting Design

OUR DESIGN & MANAGEMENT APPROACH

We adopt a collaborative approach working with the client, interested stakeholders and the building design teams to define a clear brief, which sets out the aims and objectives of the project and a programme and budget that is site specific and realistic. Our approach is to achieve the best balance of quality, cost, function, efficiency, maintainability and project delivery.

1 Strategic Design

Early and close collaboration with the design team allows an overall design strategy to be developed and refined to reflect the whole building design and to add value.

2 Design

We use design/coordination workshops to develop high quality design proposals for inclusion in the employer's requirements with collaborative input from designers, installers and maintainers.

3 Procurement

Once design decisions have been made, we then consider selecting plant & equipment and the contractor procurement process.

4 Construction

We take a hands-on approach to the supervision and overseeing of the works with regular attendance at technical meetings with contractors.

5 Handover & Close Out

We implement a 'zero-defects' policy and agree benchmark site installations and samples for quality to ensure the client gets the best possible project outcome.

Collaborative Approach

Client

Stakeholders

Building
Design
Team

Tate:
Creating Value,
Minimising
Project Risk



OUR EXPERIENCE



Rolls Royce Technology & Logistics Centre | Bognor Regis

Construction Value: £15 million

323,000 sq ft technology and logistics centre

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical, Fire Engineering

Completion: 2015



Asda, Fully Automated Distribution Centre | Warrington

Construction Value: £100 million

600,000 sq ft ambient distribution centre

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical, Fire Engineering

Completion: 2014



B&M Stores, Distribution Centre | Liverpool

Construction Value: £20 million

500,000 sq ft new build distribution facility

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical Services

Completion: 2014



Asda Automated Home Shopping Distribution Centre | Dartford

Construction Value: £13 million

150,000 sq ft new build and fit out for automated HSC

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical, Fire, Sustainability Services

Completion: 2016



Euro Car Parts, Automated Distribution Centre | Tamworth

Construction Value: £50 million

1 million sq ft fit-out for automated distribution centre

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical, Fire, Sprinkler, MHE design services

Completion: 2016



Bericote Properties Ltd, Four Ashes I Wolverhampton

Construction Value: £30 million

500,000 sq ft new build and fit out for a car parts production facility

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical, Fire, Sprinkler design services

Completion: 2017

OUR EXPERIENCE



Moda Living, Quarry Hill | Leeds

Construction Value: £90 million

Residential / Mixed Use development of 500 residential apartments and associated retail space

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2021



Moda Living, Angel Gardens | Manchester

Construction Value: £85 million

Residential / Mixed Use development of 466 residential apartments and associated retail space

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2020



Ballymore Developments, Royal Wharf | London Docklands

Construction Value: £330 million

Residential / Mixed Use development for Phases 2B and 3, including over 1,900 apartments, townhouses and associated retail and amenity facilities.

Contract type: Full Duties Design & Construction

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2017 – 2020



Titanic Quarter Limited, ARC Apartments | Belfast

Construction Value: £70 million

The Abercorn Residential Complex comprises 474 apartments with commercial and retail space

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2012



Donegal Quay Ltd The Obel Tower | Belfast

Construction Value: £60 million

88m high residential development of 233 apartments

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2011

OUR EXPERIENCE



Adelaide Exchange | Belfast

Construction Value: £12 million

Commercial city centre development bounded by a mix of office, leisure, residential space and car parking

Contract type: Full Duties

Consulting Services: Mechanical & Electrical Services

Completion: 2010



Citibank, Titanic Quarter | Belfast

Construction Value: £17.5 million

140,000 sq ft bespoke category B office fit-out

Contract type: Traditional Full Duties

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2010



The Core | Aberdeen

Construction Value: £3 million

140,000 sq ft bespoke category B office fit-out

Contract type: Traditional Full Duties

Consulting Services: Mechanical, Electrical & Sustainability Services

Completion: 2010



Public Records Office | Northern Ireland

Construction Value: £26.6 million

A new 100,000 sq ft bespoke building for the Public Records Office

Contract type: Traditional Full Duties

Consulting Services: Mechanical & Electrical Services

Completion: 2010



Adobe Headquarters | Maidenhead

Construction Value: £5 million

50,000 sq ft LEED Platinum certified category B fit-out

Contract type: Traditional Full Duties

Consulting Services: Mechanical & Electrical and Sustainability Services

Completion: 2010

OUR EXPERIENCE



Oldham 6th Form College | Oldham

Construction Value: £1 million

Refurbishment of Art Department

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical Services

Completion: 2015



Swinton High School | Manchester

Construction Value: £2.2 million

Refurbishment and New Wing to the School

Contract type: Design and Build Contract

Contract type: Traditional Full Duties

Consulting Services: Mechanical & Electrical Services

Completion: 2015



Wychall Primary School | Birmingham

Construction Value: £1.2 million

Construction of Nursery

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical Services

Completion: 2015



Parliament Hill / William Ellis Schools | Camden

Construction Value: £18 million

The project comprises of a new kitchen & canteen building, sixth form block and teaching block, various building refurbishments and building extension

Contract type: Design & Build

Consulting Services: Mechanical & Electrical Engineering, Sustainability, Vertical Transportation

Completion: 2018



Centre for Innovation and Enterprise, Begbroke Science Park | Oxford

Construction Value: £11.2 million

The project is an extension to the existing CIE building which doubles the accommodation over two floors

Contract type: Traditional Build Contract

Consulting Services: Mechanical & Electrical Engineering, Sustainability, Vertical Transportation

Completion: 2016

OUR EXPERIENCE



Royal Elm Park | Reading

Construction Value: £200 million

Development of convention centre, 250 bed hotel, 630 new homes and commercial and leisure facilities

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical Engineering, Vertical Transportation and Sustainability

Completion: 2018



Princes Quay | Hull

Construction Value: £1million

Tenant Fit-out works

Contract type: Design and Build Contract

Consulting Services: Mechanical, Electrical Engineering

Completion: 2011



Rushbond plc, Bretton Hall Estate | Wakefield

Construction Value: £10 million

Re-development and refurbishment for hospitality & conference venue

Contract type: Design and Build Contract

Consulting Services: Services: Infrastructure Masterplanning and Mechanical & Electrical Services

Completion: 2018



Asda Superstore Pwllheli | Wales

Construction Value: £10 million

New build and fit out

Contract type: Design and Build Contract

Consulting Services: Mechanical & Electrical and Sustainability Services

Completion: 2009



B&M Stores | Grimsby

Construction Value: £1 million

New build and fit out

Contract type: Design and Build Contract

Consulting Services: Fire Engineering Services

Completion: 2012



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