



Project Manager - Electrical Job Description

Location: Concentrate Operations, MN **Reports To:** VP of Concentrate Operations
Department: Operations **Status:** Exempt

Job Summary:

Ensure that the Electrical team provides consistent, high-quality, cost-effective, and timely deliverables and products for the construction of Magnetation Plant 4. Oversees, guides, and manages the work of contractors, vendors, suppliers and employees. Promotes environmental stewardship and a work culture focused on health and safety.

Essential Functions:

- Manages, expedites, and supports consultants' and contractor document submittals, budgets, and schedules
- Maintains and fosters contacts with consultants, contractors, vendors, and material suppliers
- Serves as an interface between the Electrical Engineering team and internal clients, including the Construction, Operations, Environmental, Health & Safety, to facilitate interdepartmental relations
- Assists with the development of new electrical engineering standards and maintains and improves existing standards and guidelines, implementing industry and company best practices
- Ensures that the electrical portion of the estimated Balance of Plant cost is optimized by providing accurate project layouts and bills of material takeoffs with constructability and operability needs
- Acts as a subject matter expert regarding some electrical engineering activities
- Interacts closely with internal teams to ensure that project needs and objectives are met
- Prepares electrical-related scope documents, exhibits, budgets, specifications, schedules, and Requests for Proposals (RFPs)
- Leads or participates in project meetings and conference calls
- Produces quality electrical engineering plans, studies, and specifications while ensuring compliance with department, project, company, utility, regional electrical entity, and industry requirements and standards
- Participates in engineering, design, and construction review processes
- Leads and conducts value-engineering studies of alternative design approaches
- Reviews electrical discipline calculations and equations, including electric circuit calculations, 3-phase power and ampacity, impedance, sizing of conductors, calculation of losses, reactive power, verification of proper phase rotation, relaying calculations, short circuit calculations, and Arc Flash studies
- Interprets plans, specifications, drawings, and documents related to engineering and construction
- Coordinates project construction with Project Managers and Site Construction Managers to resolve critical and time-sensitive construction-related electrical issues
- Leads or assists with investigations of electrical-related issues, including root cause analysis as needed
- Additional duties as required



Qualifications:

- BS Electrical Engineering Degree is a minimum
- Active PE license is preferred
- Senior Level Electrical Engineer with 5+ years of electrical engineering work experience including:
 1. engineering projects and planning
 2. automations and controls,
 3. Power distribution
- Demonstrated leadership skills and abilities;
- Strong communication skills and ability to deal tactfully and efficiently at all levels of the organization;
- Exceptional organizational and problem solving skills;
- Awareness of operational safety requirements in a manufacturing environment and ability to apply and follow procedures and requirements per regulatory bodies;
- Strong desire to be a part of a start-up/high growth company with an entrepreneurial spirit and a fast-paced, results-oriented culture.