

Senior Engineering Manager

Overview:

Our client is one of the nation's largest at-risk design-build electrical engineering, integration and construction firms with its headquarters in the Mid-Atlantic region. They focus on large complex electrical projects from data centers to electrical power plants to government buildings. Many of their projects are in excess of \$100 million in electrical EPC cost alone. All of their projects come with tight timelines and high expectations. Consequently, our client seeks the absolute best industry talent to lead these projects from start to finish.

As a pioneer in at-risk design-build, where electrical design and construction are merged seamlessly in one organization, our client leverages the efficiency of getting the project right before it goes to the field and has established a series of operating principals that ensure success and have enabled their exponential growth and ability to tackle some of the most dynamic projects in the world. They employ more than 3,000 people in offices throughout the United States, Europe, and the Middle East.

We seek an outstanding hands-on engineering professional who can join a winning team and work to set the highest possible bar of excellence. This is a company of electrical engineering professionals dedicated to being the best in their field. If you are an electrical engineer, this company can not be beat. They are progressive, innovative, and focused on your specialty. They eat, sleep and breathe all things electrical. Of equal importance, they do it better and more profitably than anyone else.

As a contractor that not only creates innovative designs, but executes the final project, they remain involved in service after the project is complete. Therefore, success and failure can be readily measured over a longer period of time and honest feedback is provided to the engineering team from construction, service, and the client. By following an organized process of continuous improvement, our client is structured to make consistent, incremental progress toward better and better world class design and execution.

In mid-2008, the company developed an Engineering Service Center (a center of engineering excellence for the company) with leadership to mentor and train its cadre of top flight technical talent, disseminate valuable electrical design expertise in-house amongst the company's various divisions, and address the engineering needs of large, complex projects. With a current design-build backlog of more than \$1 billion, the engineering service center will continue to grow during the next several years, paralleling the company's ever expanding base of business.

It is important to understand that our client has made a true commitment to outstanding engineering embedded in a design-build process. Efficiency, constructability, and value engineering are integrated into a design-build process that is second to none. The cost of a poor design decision is magnified ten fold in the field at construction, so getting it right in design is the number one priority for the company. Innovative ideas are not just welcomed, they are expected. Initiative is a cultural norm. Confident, talented engineering professionals who have a drive to be the best of the best and participate on a world stage will excel in this environment.

Reporting Relationships:

The Senior Engineering Manager will work as a part of the engineering team and will take on as much responsibility as they can effectively handle.

Essential Functions:

The Senior Engineering Manager serves as the design coordinator on projects and performs the following duties:

- Reviews all electrical technical documentation for the project and identifies need for further review assistance from technical specialists.
- Prepares and implements the electrical engineering work plan in accordance with project scope, schedule and budget; and monitors/tracks performance accordingly.

- Helps to streamline inter discipline/contractor and specialty systems work process interfacing.
- Ensures the production of complex technical documentation.
- Leads a team of electrical engineers, plans and supervises their work as well as mentors their growth.
- Schedules, manages and coordinates project reviews and conflict resolution meetings.
- Identifies and implements resolution to design issues related to constructability.
- Manages completion of deliverables, studies, specifications, SOPs for customers and suppliers.
- Leads technical briefings with customers, suppliers and or other disciplines and contractors.
- Identifies and inputs lessons learned for future reference and draws from previous lessons learned.
- Oversees engineering in the field, participates in engineering or change orders during construction.
- Oversees final testing and commissioning of project.
- Specifies electrical equipment and materials and prepares material requisitions (bulk and equipment).
- Designs Low and Medium Voltage Life Safety, as well as essential and critical power distribution systems.
- Participates in industry-specific working groups or panels.

Company Values:

- **Performance** – Commitment to Excellence
- **Productivity** –Efficiently Generating High Quality Work
- **Teamwork** – Working Together to Accomplish Common Goals
- **Safety** – Maintaining a Safe Work Environment for Yourself and Your Co-Workers
- **Learning & Mentoring** – Recognizes Strengths/Weaknesses of Co-Workers and Learns From/Assists
- **Customer Service** – Commitment and Professionalism when Interacting with Clients
- **Taking Ownership of Problems** – Continuous Commitment to Resolving and Learning from Deficiencies

Experience/Education:

- BS Electrical Engineering degree with a minimum of sixteen (16) years of related experience.
- Advanced degree, Supervisory experience on large projects, and DOD or DOE experience preferred.
- PE Registration required.
- Hands on Microsoft office programs, VISIO, and other computer programs.
- Extensive knowledge and application of NEC code and ANSI/IEEE Standards.
- A strong working knowledge with ETAP or other electrical system design tools (e.g.: CAD 2D).
- Extensive knowledge of electrical systems, schematics and electrical equipment layouts.
- Five (5) plus years of supervisory experience.
- Excellent oral & written communications skills.
- Must pass a substance abuse test and remain free of prohibited substances.

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