



Job Title: **Senior Electrical Engineer**

Reports To: Division Leader / Project Team Manager

Summary:

The Senior Electrical Engineer has full responsibility for interpreting, organizing, executing and coordinating engineering projects some with and/or complex challenges with significant impact on major company programs and serves as Project Manager, Project Engineer or Staff Engineer with responsibility for applying intensive and diversified knowledge of engineering principles and practices in broad areas, using advanced techniques, theory, precepts and practices in a specialized engineering field and related sciences and disciplines.

As a Project Manager— plans, coordinates and directs engineering projects with many complex features including responsibility for the work of both in house staff and other consultants.

As a Staff Engineer— carries out complex or novel assignments requiring the development of engineered systems.

Responsibilities:

- Plans, coordinates, and oversees other engineers' and support personnel work as a lead on a project basis.
- Prepares specifications for use in engineering design and development and serves as a technical specialist on a certain product, building type, etc.
- Makes preliminary selections, engineering adaptations, and prepares reports in line with engineering principles and practices.
- Adjusts and correlates data, recognizing and addressing discrepancies. Work with the Team Manager to prepare design budgets and schedules.
- Assists in estimating discipline hours required to complete the design requirements of a project.
- Provides leadership and assigns engineering design job functions to designated designers and oversees their efforts in completing the project on time and within budget.
- Provides complete construction documents that match the client and project team requirements and reviews preliminary and final designs with other disciplines for function, clearances, coordination, and final review prior to turning in for formal QAQC; follows through with QAQC comments.
- Participates in and completes formal QAQC reviews for other electrical designers.
- Follows up on requests for information and submittals as well as punch lists in the field and construction observation.
- Prepares electrical distribution equipment information and Lighting systems to participate in Project Team Selection Interviews with potential clients. Provides electrical detail and answers electrical questions during interview process and follows up with any electrical questions and/or needs following the interview. Documents project information as required.



- Participates in project walkthroughs as needed with client and project team to assess whether client's vision for the project is attainable. Provides electrical expertise to clarify project plan, scope; communicate potential issues and offer alternative suggestions for the client to consider.
- Assesses the electrical and infrastructure needs on site for the programming phase of the project as needed or required. Communicates with the appropriate municipalities and utility companies to collect data necessary to begin the electrical design plans for the project.
- Responsible for high level electrical narrative for Pre-Design presentation with the client and project team. Collaborates with architect, civil and structural engineers to avoid project deficiencies prior to presentation with the client.
- Responsible for high level calculations to establish appropriate sizing for infrastructure. Researches city, county, and national electrical codes, verifies, reviews and becomes familiar with coding requirements.
- Participates in project meetings during all phases of project - Meeting can be held in office and out, ranging from 30 minutes to 8+ hours per meeting.
- Prepares and/or oversees the preparation of construction and bidding documentation for all phases of project.
- Review and Assess engineering building components - includes on-line, in-house and factory witnessing and construction observation.
- Train/Mentor junior engineers.
- Maintain a high level of integrity and discipline with a strong work ethic.
- Special projects and other duties as required.

Qualifications:

To perform this job successfully, and individual must be able to perform each essential function satisfactorily; have knowledge of the practical application of engineering science and technology. This individual must have knowledge of and experience with Revit, AutoCAD and Microsoft Office and the ability to establish and maintain effective working relationships with project team members, peers, vendors and clients.

- BS in Electrical Engineering.
- PE or the ability to obtain within 12 months.
- At least 7 years of prior consulting engineering with building construction experience in 1 or more of the following projects: Healthcare, Higher Education, K-12 Education or Municipalities.
- Experience in the design, planning, and specifying of normal and emergency power equipment and distribution, lighting and lighting controls, fire alarm, and other electrical systems.
- Ability to pay attention to detail and multi-task in a fast-paced, deadline-driven environment.
- Ability to enter, access, and retrieve information on a computer. Knowledge of Revit, AutoCAD, Microsoft Office and the ability to learn new computer systems.



- Ability to understand and follow facility safety rules, pay attention to detail and work safely and efficiently both within the office and at client sites.
- Ability to effectively communicate with all levels within the organization as well as outside vendors, clients, suppliers.
- Ability to travel by auto or plane as required.
- Decision-making ability that positively reflects the company's mission and values and is in line with the company's fiscal responsibilities.
- Ability to produce a valid driver license and proof of insurance.

Physical Requirements of performing this job:

While performing the duties of this job, the employee is regularly required to sit or stand. The employee is frequently required to walk; use hands/fingers, handle or touch, reach with hands and arms; orally communicate and hear and participate in client site visits which may also include climbing stairs/ladders, kneeling, leaning, or twisting. The employee will rarely lift objects up to 35 lbs. Specific vision abilities required by this job include both close and distance vision, color vision and the ability to adjust focus.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this position.

We accept resumes for posted (available) positions only. Qualified applicants should forward their resume and cover letter to hiring@dynamix-ltd.com. Please type the Job Title in the subject line.