

SENIOR ELECTRICAL ENGINEER - SAN JOSE & SAN FRANCISCO

AlfaTech is always looking for bright new talent to join our team. Our top priorities when hiring are to ensure that each candidate shares our vision of sustainability, our drive to stay ahead of the curve, and our mission to set the standard for exceptional client service. AlfaTech's Electrical Engineering Department is currently looking for a Senior Electrical Engineer. This is a senior-level position assisting the Senior Principal of the Electrical Engineering Department. We have a position open at the AlfaTech headquarters in San Jose, California, as well as in our beautiful downtown San Francisco office.

This position is for a person who has 10 to 20 years of experience, who will serve on project teams as a capable and efficient Senior Engineer, often making major design determinations under the general direction of the Senior Principal. Senior Engineer is expected to work fairly independently with minimal supervision, working with Project Managers, Architects and Owners to develop project electrical designs. On smaller projects without dedicated Project Managers, function as project manager.

Must exhibit technical competency and be able to design projects as well as direct/train junior engineers and designers. Design electrical, lighting, fire alarm and low voltage systems for commercial buildings. Perform building analyses and prepare reports of findings. Oversee construction phase of projects. Be aware of each project's scope of work and note any additional services. Deal with problems and coordination issues during construction.

Essential Duties & Responsibilities

- Available during regular business hours to meet and respond to the needs of clients and to be available to ATCE staff, and as needed beyond regular business hours when necessary
- Attends and schedules kick-off, MEP coordination and formal QA meetings if not scheduled by PM
- Proposes innovative solutions to design problems including strategic evaluation
- Assist, co-authors, or authors reports, opinions and recommendations for the approval of the Project Manager concerning the direction of the project
- Performs calculations, using engineering formulas and skills
- Performing electrical power and lighting load calculations
- Calculating illumination levels and specifying lighting fixtures
- Completing California Title 24 Energy Compliance prescriptive documentation (lighting)
- Sizing and specifying emergency- and standby-generators, UPS gear, ATS equipment
- Selection and layout of primary and secondary distribution systems up to 21kV
- Coordination with electrical and voice-data utility service providers and submission of service application requests
- Schematic design of fire alarm systems for various building types
- Understanding of low voltage systems including phone, data, intercom/PA, surveillance, intrusion, access, sound, CATV and similar systems.
- Designs and selects equipment to meet project specific requirements and company standards
- May perform designs directly on CAD
- Edit standard material and construction specifications to match project requirements as part of preparation of project specifications
- Check all technical work for accuracy. Review technical content with Department Heads from each discipline involved in the project where necessary
- Implement ATCE quality assurance procedures during design process (e.g., Design Criteria submission, Design Checklists, Interdisciplinary Coordination Schedules, etc.)
- Signs and seals drawings, if registered. Coordinates review, signature and seal with Team Leader, PM, or Department Head if not registered
- Reviews product data submittals for conformance to contract documents
- Performs submittal reviews and insures accurate, timely response to all construction RFI's

- May serve as a field engineer during construction by performing site visits and preparing written reports of observations
- Documents changes and clarifications to scope, schedule and budget back to PM and in the project files
- May have a better technical understanding of the project than does the Project Manager
- Acts as project manager on small projects, coordinating directly with clients and owners
- Acts as a technical advisor to junior professional staff assigned to the project

Key Skills & Qualifications

At a minimum, the Senior Engineer will possess a college degree in Electrical Engineering with a P.E. in the State of California, LEED, BMS and at least 15 – 20 years of relevant experience.

Limits of Authority

Has authority to propose design solutions, however has limited authority in that all major decisions concerning the cost, design, schedule and completion of projects is the responsibility of the Project Manager. All designs, reports and opinions must be approved by the Project Manager or Department Manager. Client contact progresses with the responsibilities and level of Engineer as outlined above.

Relationship to Others

Reports to Senior Principal and is assigned to projects by the Department Head; while assigned to projects, works under the direction of the various Project Managers. Works closely with engineers in other disciplines for coordination and with the other project team members. When acting as project manager, maintains client relationships and coordinates directly with clients.

Benefits

AlfaTech Consulting Engineers offers a comprehensive and competitive benefits package including medical, dental, vision, 401K, employee stock option plan, 9 holidays per year, vacation, sick pay. Alfa Tech has a health & wellness program, workout room & showers, legal assistance program, half day off on the last Friday of the month, and regular social events among other benefits. Plus free drinks in our soda case!

The Company

Our mission is to always put our clients first by offering the most innovative and sustainable solutions to every project, with a focus on our collective environment and its future. Our working culture perpetuates our standards; each team member is valued for his or her dynamic expertise and imagination. We apply the skill and passion of our people to consistently exceed client expectations. Our working culture fosters an environment that runs on our core values: providing innovative, efficient, and sustainable solutions that offer our world the best environmental, economic and social benefits. Our People are Authentic. Ethical. Smart. Dynamic. Energized. Committed. Inventive. Compassionate. Expert. Loyal. These are the characteristics that represent the AlfaTech team. Each member of our staff embodies our culture and values. It is through each individual's expertise and vision that we are able to provide the most reliable, practical, innovative and sustainable solutions for our clients.

TO APPLY for this position, please send your cover letter and resume to jobs@atce.com.

AlfaTech Consulting Engineers is an equal opportunity employer.