

**Job Title:** Project Engineer

SC Engineers, Inc is a consulting engineering firm in the San Diego area. We are dedicated to providing our clients with the highest quality engineering solutions. We have established a reputation for providing energy efficient and sustainable engineering and design solutions to public and private sector clients including federal, state, and municipal agencies, healthcare providers, community colleges and universities, and technology organizations. We have a great track record of success for quality service and have received awards and commendations from various San Diego organizations. We are committed to becoming an integrated business partner for our clients and continuing to provide long term, sustainable design solutions.

As a consulting engineering firm, we play a critical role in assuring the delivery of high-performing, energy efficient buildings. Thus, we seek to hire a **Project Engineer** to apply his or her knowledge in mechanical engineering principles and tools including HVAC system design to ensure that our projects are designed to exceed our clients' expectations. The Project Engineer will assist in managing projects, performing HVAC and plumbing design, and perform LEED documentation and Energy Analysis, among other tasks.

The hired individual will be responsible for the following duties:

- Oversee project coordination during construction phase, planning the work schedule, determining manpower levels, and arranging for assignment of project personnel;
- Manage construction administrative duties such as field reports, responses to RFIs, processing bulletins and addenda;
- Lead job progress meetings, providing detailed instructions to installers and subcontractors to ensure they readily understand the expectations of the project;
- Track project progress, construction schedules, budgets, and use of materials;
- Design Heating, Ventilating, and Air Conditioning (HVAC) systems applying mechanical engineering principles and perform heating and cooling load calculations using Trane trace software;
- Generate and review detailed drawings and plans using computer-assisted software such as AutoCAD and Revit and perform calculations for various types of structure details, including building dimensions, elevations, sections, and other construction details;
- Transform initial rough product designs into working energy models;
- Analyze, review, and develop mechanical solutions for renovation projects; assist in carrying out technical tasks requiring calculations and assessment reports;
- Perform plumbing design-engineering calculations, including pipe hydraulic, plumbing domestic water, and sanitary systems calculations;
- Research and analyze product and parts designs along with their effect on energy solutions;
- Create assembly illustrations for use in instructions using computer assisted design software, along with product photos and line drawings;
- Record energy cost information for use in controlling expenditures and for reporting financial savings to clients;

- Partner with management in the preparation of proposals, scope of work documents, business development, and project pursuits.

**Minimum Requirements:**

- Master's Degree in Mechanical Engineering, or a closely related major;
- 1 year of work experience in mechanical engineering;
- Proficient in CAD and Revit software.

Apply to Shadpour Consulting Services dba SC Engineers, Inc. c/o Frank Shadpour, 17075 Via Del Campo, San Diego, CA 92127.