



## **Designer 1 Engineering Fire Protection Designer**

To support our rapid growth, CoolSys Energy Design (CED) is in search of a Fire Protection Designer to join our team! Our ideal candidate will transform initial “red-line” designs into engineering drawings using AutoCAD or Revit under the supervision of a Senior Engineer.

### **About CoolSys Energy Design**

CoolSys Energy Design is a full-service consulting engineering firm headquartered in Princeton, New Jersey with offices in California, Florida, and Texas. Our company provides mechanical, electrical, refrigeration, energy management, plumbing, and fire safety design engineering services. We work with an exciting variety of nationwide supermarkets, multi-family residential buildings, and industrial facilities. Pioneers in sustainable technologies, we proudly deliver cost-effective and environmentally intelligent building performance.

### **In this role, you will:**

- Prepare calculations, detailed drawings, and specifications related to fire protection, fire alarm, and special systems for a variety of building projects.
- Perform hydraulic calculations and work with outside resources to incorporate special hazard systems.
- Design and specify fire suppression systems including wet-pipe, dry-pipe, pre-action, deluge, fire pumps, and storage tanks on a wide variety of project types.
- Create and maintain AutoCAD and Revit drawing packages.
- Participate in conceptual design for specific projects.
- Comply with project schedules, regulatory requirements, and industry best practices.
- Maintain responsible control over all design activities pertaining to the project, including engineering, quality control, and code compliance.
- Ensure work is executed accurately and in a timely and cost-effective manner.
- Prepare design calculations and engineering documents that are constructible and meet both customer quality requirements and company standards.
- Coordinate with local building officials regarding code compliance.
- Assist with on-site visits and reporting, as required.
- Provide support for other department activities as required including plotting drawings, producing transmittals, and coordinating the shipment of deliverables.

### **Desired Qualifications:**

- Bachelor of Science degree in Fire Protection or Mechanical Engineering. Other engineering or construction disciplines are considered based on experience and skill set.
- 1 to 5 years of relevant professional experience
- Knowledge of AutoCAD and Revit required.
- Working knowledge of building codes and NFPA Standards.

- Strong analytical, problem-solving, and decision-making capabilities, as well as demonstrated high-quality technical writing skills.
- Team player with sound business ethics and the ability to multi-task in a fast-paced environment.
- Ability to achieve project goals and deadlines with minimal supervision.
- Willingness to work with all levels of internal staff, as well as outside clients and vendors to develop a full understanding of building energy systems and their operation.
- High proficiency in Microsoft Office applications (Word, PowerPoint, Outlook, and Excel).
- This position will require minimal travel to project sites.

### **Why CoolSys Energy Design - Benefits**

At CED, we offer a competitive salary and a flexible hybrid work schedule. Our fantastic benefits package includes health, vision, and dental insurance, generous 401k match, ample paid time off, parental leave, professional development, and more.

### **Why CoolSys Energy Design – Mentorship & Career Growth**

Mentorship and professional development are pillars of our culture and we build roles based on the qualifications and ambitions of our staff. We provide significant growth opportunities for employees rising to the top as well as career flexibility for those who want more variety in the type of work they do.

### **Why CoolSys Energy Design - Culture**

Our company culture includes charity events, celebrating our successes, and an annual picnic. We run silly competitions like best work-from-home photo and farthest paper airplane distance. We are a fun, friendly, and smart group that works and plays hard. Full of personality, our engineers are encouraged to share their other talents including photography, singing, windsurfing, theatrical sword fighting, and more.

Truly an Equal Opportunity Employer, CoolSys has a diverse staff that includes men and women from China, India, Egypt, South Africa, Poland, Israel, and across the United States.

NOTE: We do NOT offer visa sponsorship.

### **The Hiring Process**

The first step is to apply AND email your resume to Casey Sky Noon at [Casey.Noon@Coolsys.com](mailto:Casey.Noon@Coolsys.com). If the hiring committee thinks you are a good fit, she will contact you to set up a video conference interview.