

Principal Fire Protection Engineer - Charlotte, NC

Parsons

Job Description:

Our Fire Protection Engineers will complete a wide variety of difficult engineering assignments, applying engineering techniques and analyses within the Fire Protection discipline. Engineers with our company may support various market sectors of the business like Industrial Plants, Oil and Gas, Chemical Facilities, Utilities, Hospitals, and Manufacturing facilities. We offer diverse work assignments for our Engineers performing design, assessments, analysis and modeling. Some assignments involve CAE (computer aided engineering)/CAD (computer aided design) applications.

Responsibilities may include:

Fire protection project proposal support, developing project scope, bid specifications. Support Fire protection upgrades or redesigns for various types of facilities, which include extracting engineering information from CAD drawings. Prepare engineering computations, material quantity takeoffs, estimates, surveys, and designs. Support installation, test and acceptance testing for fire protection systems. May assist a customer with fire protection system inspections and analysis at their facilities, and make recommendations for correcting or improving those systems. At this level may manage a fire protection and related mechanical projects and oversee/lead other engineers. Perform Fire Modeling with common software tools. Prepares and issues specifications, data sheets, and other construction documents. Provide technical guidance to CAD Designer/Drafters, Designers, and lower-level Engineers working on the same project. Provide the seal and signature of the professional engineer, as appropriate, ensuring compliance with all applicable codes, regulations, and ordinances. Act in an advisory capacity to senior management personnel on engineering related matters. Performs other responsibilities associated with this position as may be appropriate.

Qualifications –
REQUIREMENTS:

- 4-year degree in Engineering (or related field) and 8-10 years of related work experience. Professional Engineer registration is required
- Proficiency in utilizing CAD and other PC software packages typically associated with engineering is required. 2-D AutoCAD proficiency preferred
- Hydraulic program experience
- NFPA, IBC, and FM Global Datasheet knowledge. Code review/analysis
- Other relative experience that would be beneficial to the candidate: CFD (Computational Fluid Dynamics) simulation experience. Smoke exhaust system design experience. Fire Hazard Analysis experience. Loss prevention/Risk Analysis experience Fire Protection and Fire Detection construction experience

Company Information

Parsons is proud of our 70+ years in delivering engineering, technical, and construction services to our legacy markets: infrastructure, industrial, federal, and construction. As markets have evolved, so have we. Parsons is a provider of choice for cybersecurity and alternative project delivery services. We believe talent, passion, and commitment generate success. Parsons employees go the distance for our customers and give back to the communities in which we live and work. We welcome self-starters who have the ability to solve problems elegantly-and who believe in our core values of integrity, safety, quality, innovation, sustainability, and diversity. If this describes you, join us! Parsons delivers a better world.

EEO Tag

Parsons is an equal-opportunity, drug-free employer committed to diversity in the workplace. Minority/Female/Disabled/Protected Veteran/LGBT.

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