



Experienced Design Engineer / Fire Protection Engineer

Indian Head, MD

Consulting Services - Engineering And Science / Full Time / Hybrid

ERG is a research and consulting firm that provides a wide range of support to federal, state, and commercial clients. ERG offers multidisciplinary teams with nationally recognized skills in engineering, science, economics, public health, informational technology, and communications. We hire people with the best minds and then provide them with a vibrant and flexible environment in which to develop their careers. The qualified individual must be highly motivated with the skills to prioritize, perform, and communicate effectively in a fast-paced environment.

ERG is seeking fire protection engineers with experience designing fire protection systems (FPS) and analyzing existing or planned FPS, for high hazard areas, such as chemical processing facilities or explosives storage facilities. The position is located at a federal site in Indian Head, Maryland, and will involve working closely with program/construction management teams to support the full life cycle of projects from initial concept design through project completion and commissioning.

This position will be hybrid at the federal site in Indian Head, MD, and will include interaction and support from ERG personnel at the federal site, as well as from ERG's Chantilly and Arlington offices. Indian Head is approximately 30 miles from Washington, DC, 25 miles from Alexandria, VA, and 60 miles from Fredericksburg, VA. Alternative work schedules may be considered.

Job Description:

- Primarily requires development of requirements and technical review of design packages as well as occasional design work.
- Design FPS supporting construction, renovation, and modernization efforts in accordance with federal and local requirements and industry codes, standards, and guidelines.
- Review, evaluate, and critique FPS designs working closely with architect and engineering (A/E) firms.
- Analyze existing or planned facilities to identify FPS requirements associated with current or planned use.
- Conduct site visits to document existing conditions of FPS, develop new requirements based on planned use, and create preliminary scopes and cost estimates for projects to improve the FPS.
- Perform fire protection design reviews for facility improvement projects provided by third-party design firms.
- Develop or review test plans for new or modified FPS. Assist with planning/scheduling testing.
- Prepare technical memoranda/reports to document compliance with the design scope.
- Identify and work to proactively resolve any compliance issues.
- Analyze, formulate, and recommend facility fire protection requirements, design, space criteria, and usage through space utilization studies and forecasts.
- Lead analyses and solution development for facility planning and management for sensitive testing facilities.
- Lead complex activities related to the control and management of cost, schedule, risk, and resource optimization.
- Prepare or review facilities estimates and site proposals for client review as to cost and feasibility.

Qualifications and Skills:

- Bachelor's degree in engineering (minimum GPA of 3.0)
- A minimum of 8 years experience is required, 10+ years is preferred
- At least 4 years of relevant experience and a degree in fire protection engineering, or at least 5 years of relevant experience and a degree in another engineering discipline
- Professional Engineering license (PE) in Fire Protection Engineering
- Demonstrated experience with NFPA 1, NFPA 101, NFPA 13, NFPA 15, NFPA 30, and NFPA 72
- Demonstrated ability to collaborate/communicate effectively with internal/external stakeholders
- Excellent verbal/written communication, problem-solving, conflict resolution, and decision-making skills
- Experience designing fire alarm systems and sprinkler systems and developing FPS drawings and specifications
- Must currently hold or be able to obtain a Department of Defense Secret-level security clearance; Must be a U.S. citizen as this position is not eligible for Limited Access Authorizations

Ideal Candidates will have:

- Experience with fire safety requirements for vertical new construction and building renovation
- Experience with DoD fire protection requirements, such as NAVSEA OP-5 and UFC 3-600-01
- Experience with ultra-high-speed FPS
- Experience with ultra-violet/infrared (UV/IR) detection technologies
- Experience with relevant regulations, including construction building codes

\$100,000 - \$180,000 a year

A signing bonus may be offered to exceptionally well qualified candidates.

ERG offers competitive salaries and excellent benefits, including health and dental insurance, life insurance, long-term disability, educational benefits, FSAs, a generous 401k plan, profit sharing, an EAP, 11-20 paid vacation days per year, 10 paid holidays per year, 56 hours or more of sick leave (based on the state you work in) per year (pro-rated for part-time) and more. The salary range for all positions depends on the years and type of experience.

ERG is an equal opportunity employer and complies with all applicable EEOC and affirmative action regulations. All qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran. As such, successful candidates must be committed to working with diverse and inclusive teams.

Please be aware, the only authentic corporate domain for ERG is <https://www.erg.com>. ERG may, on occasion, screen applicants via telephone or video interviews via Skype, Teams, GoToMeeting, or another type of video platform. However, any candidate extended a job offer might be asked to meet in person with an ERG employee before providing confidential personal information associated with new employment.

If you're a qualified individual with a disability or a disabled veteran, you have the right to request a reasonable accommodation if you are unable or limited in your ability to use or access ERG's online application process as a result of your disability. To request accommodation, please contact Human Resources via email at Resumes-Lex@erg.com or call (781) 674-7293.

As ERG is a friendly, flexible, inclusive environment and has clients who are committed to making the world a better place, ERGers are incredibly dedicated. We promote and recognize principles of fairness, equity, and social justice in the work we do, the partnerships we foster, and the culture we value both within and outside of our organization.

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