

# GAI Consultants, Inc.

Job Description- Fire Protection Engineer

**Location: Pittsburgh, PA**

## Summary

Transforming ideas into reality since 1958, GAI is an employee-owned engineering and environmental consulting firm. We provide local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets. We believe in community involvement and are committed to corporate responsibility including recycling and eco-friendly practices.

GAI consultants is seeking a NICET Level III Fire Protection Engineer to work in our Nuclear and Industrial Group located in Cranberry Township, PA. A successful candidate must have the ability to apply international and local Building Codes as well as NFPA Guidelines to fire protection system designs and evaluations in industrial and commercial settings.

## Essential Duties and Responsibilities

- ▶ Develop fire Protection Area Classification drawings and riser diagrams
- ▶ Develop fire protection layout and detail drawings using AutoCAD or like software
- ▶ Develop technical documentation necessary for the implementation of fire protection systems
- ▶ Review building layouts and author Fire Hazard Evaluations
- ▶ Perform hydraulic calculations to determine fire protection piping and equipment sizes
- ▶ Support communications between GAI and their Fire Protection and Architectural sub consultants
- ▶ Establish and maintain a collaborative working relationship with clients
- ▶ Create project criteria documents
- ▶ Develop equipment and material specifications relative to fire protection
- ▶ Develop bills of materials
- ▶ Develop scope of services
- ▶ Support constructed cost estimates for fire protection projects
- ▶ Develop engineering estimates for fire protection projects
- ▶ Provide guidance and direction to engineering resources of less expertise in fire protection design

## Qualifications and Competencies

- ▶ A minimum of ten years of Fire Protection Engineering experience is required that includes special hazard suppression systems
- ▶ BS or MS degree in Mechanical Engineering or Fire Protection Engineering
- ▶ Current Professional Engineer registration in the state of Pennsylvania
- ▶ Possess evidence of passing the NICET Level III exam
- ▶ Must have a working knowledge of the NFPA codes
- ▶ Proficient with Microsoft Office software
- ▶ Working knowledge of AutoCAD or like software
- ▶ Ability to work and collaborate in a group environment
- ▶ Must be a team player
- ▶ Must be detailed oriented
- ▶ Ability to maintain professionalism at all times
- ▶ Possess professional verbal and written communication skills
- ▶ Good interpersonal skills.

## To Apply:

- ▶ Please send a resume to [m.thoma@gaiconsultants.com](mailto:m.thoma@gaiconsultants.com)
- ▶ Visit the posting site at: <https://opportunities.gaiconsultants.com/Careers.aspx?req=2017-CRAN-016>