

# Franco Altoe

## Sr. Fire Protection Engineer

Boothwyn, PA - Email me on Indeed: [indeed.com/r/Franco-Altoe/90476e550f01862b](https://www.indeed.com/r/Franco-Altoe/90476e550f01862b)

Fire Protection Professional with over 30 years experience in both domestic and international projects. Held progressively more responsible positions within the Refining, Petrochemical, Chemical, Pharmaceutical, Biotech, and Power Industries. Problem solver: strategic thinker; excellent communication skills and proactive leader. Able to work well in high-pressured environments, both independently and as part of a team. Ability to learn new processes and procedures quickly and to bring other team members up to speed. Recognized for superior interpersonal skills with an ability to quickly develop credibility with internal and external technical and managerial associates. Skillful negotiator establishing strong relationships with clients. • PDMS 3D CAD Design Training • DNV Phast • KY Pipe Hydraulic Program • HAAS Sprinkler Hydraulic Program • Hyper-Calc Sprinkler Hydraulic Program

### WORK EXPERIENCE

#### Sr. Fire Protection Engineer

SUNOCO INC - Philadelphia, PA - 2007 to Present

Responsible for the fire protection design for large and small capital projects and facility projects for Sunoco's refinery and chemical facilities. Created and maintained corporate engineering and Health Environmental and Safety (HES) fire protection standards and guidelines for use across different business lines, incorporating the requirements of NFPA, API and insurance industry loss prevention guidelines. Collaborated with Sunoco's insurance underwriters to determine the design basis for the fire / safety requirements for projects based on insurance industry guidelines such as; Factory Mutual Loss Prevention Data Sheets and XL Gap Loss Prevention Guidelines. Coordinated project utilizing fire protection requirements and design specifications with local building and fire code officials based on building and fire codes, NFPA standards, and recommended practices.

- Corporate subject matter expert for fire protection, providing guidance concerning fire protection issues for new and existing facilities across different business lines.
- Corporate fire protection expert for incident investigations involving fire protection issues.
- Reduced dependency and cost on outside contractors and consultants by performing the work internally.
- Participated in PHA and LOPA reviews and audits of completed LOPA's for compliance with newly developed standards.

#### Fire Protection Engineer

JACOBS ENGINEERING GROUP - Conshohocken, PA - 2002 to 2007

Responsible for the fire protection design for projects in the Refining, Petrochemical, Chemical, Pharmaceutical, Biotech, and Power Industries. Developed fire protection requirements and designed for the "grass roots" and existing facilities from \$500,000 to \$500+ million. Coordinated fire protection systems with other engineering disciplines, i.e. HVAC, Piping, CSA and Electrical. Analyzed existing fire water supplies and fire protection systems, providing recommendations for the redesign and upgrade of existing systems. Prepared performance and material specifications for fire protection systems. Supervised and coordinated 2D and 3D CAD designs. Multi-project responsibility, in various stages of design and construction.

- Participated in multi-office execution of projects where the design / engineering process is shared between various offices within the organization.

- International Project Experience: Responsible for the fire protection engineering and design for Pharmaceutical, Biotech, Petrochemical and Chemical projects in Puerto Rico, United Kingdom, Germany from 1980 to present. Duties including researching local codes and interfacing with local building and fire officials.
- Collaborated with owner's insurance underwriters to determine the design basis for the fire / safety requirements for projects based on insurance industry guidelines such as Factory Mutual Loss Prevention Data Sheets and XL Gap Loss Prevention Guidelines.

### **Fire Protection Engineer**

WASHINGTON GROUP INTERNATIONAL, INC - Philadelphia, PA - 1980 to 2002

Responsible for the fire protection design for projects in the Refining, Petrochemical, Chemical, Pharmaceutical, Biotech, and Power Industries. Developed fire protection requirements and designed for the "grass roots" and existing facilities from \$500,000 to \$500+ million. Coordinated fire protection systems with other engineering disciplines, i.e. HVAC, Piping, CSA and Electrical. Analyzed existing fire water supplies and fire protection systems, providing recommendations for the redesign and upgrade of existing systems. Prepared performance and material specifications for fire protection systems. Supervised and coordinated 2D and 3D CAD designs. Multi-project responsibility, in various stages of design and construction.

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### **EDUCATION**

#### **AAS in Fire Protection Engineering Technology**

Delaware Technical & Community College - Stanton, DE  
2001

#### **MA in Fire Protection Engineering**

Worcester Polytechnic Institute - Worcester, MA

#### **BS in Civil and Construction Engineering**

Temple University - Philadelphia, PA