



## Fire & Risk Engineering

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### ***FIRE PROTECTION ENGINEERING - FIRE AND LIFE SAFETY***

### ***FIRE/EXPLOSION INVESTIGATION AND RECONSTRUCTION - RISK MANAGEMENT***

#### **AREAS OF EXPERTISE:**

Forensic Analysis of Fires/Explosions: Cause, Development, Spread and Behavior  
Fire Loss and Incident Reconstructive Analysis  
Fire Hazard/Risk Assessment; Special and High Challenge Hazards  
Municipal Fire Defense, Water Supply and Fire Protection System Analysis  
Fire/Building Codes, Standards: Consulting, Interpretation and Equivalencies  
Evaluation and Management of Risk - Master Planning

#### **BUSINESS EXPERIENCE:**

Union Camp Corp. (now International Paper): Manager, Corporate Fire Protection  
Rolf Jensen & Associates, Inc.: Consulting Fire Protection Engineer  
New York City Transit Authority: Manager of Fire Safety

#### **EDUCATION AND TECHNICAL EXPERIENCE:**

B.S., Fire Protection Engineering, University of Maryland  
M.S., Technology Management, Stevens Institute of Technology  
A.A.S., Electronics Engineering, County College of Morris  
Instructor, Chemistry of Hazardous Materials, US-FEMA  
Industrial/Municipal Fire Department Operations; Incident Command/Hazardous Materials;

#### **SELECTED PROJECT EXPERIENCE:**

2003 Station Nightclub Fire (West Warwick, RI)  
1993 World Trade Center Explosion (New York, NY)  
1990 Happyland Social Club Fire (Bronx, NY)  
2001 One New York Plaza Fire/Explosion (New York, NY)  
1985 Brooklyn Navy Yard Fire (Brooklyn, NY)  
1992 O'Brien-Newark Cogeneration Plant Fire (Newark, NJ)  
1990 Denver Airport Jet Fuel Tank Farm Fire (Denver, CO)  
1998 Swissair Flight 111 Fire/Crash (Nova Scotia)  
New York City Transit Authority (systemwide) - multiple locations/projects  
New York City Housing Authority - multiple locations/projects  
New Jersey Transit - Rail Equipment Facility (Kearny, NJ)  
New York City Department of Correction/Riker's Island Facilities - multiple locations/projects  
Jurisdictional Law Departments: New York City; City of Philadelphia; Port Authority of NY/NJ;  
State of New Jersey Office of the Attorney General - multiple projects  
New York State Office of Mental Health - multiple locations/projects  
New York Telephone/NYNEX; Bell Communications Research (BellCore); T-Mobile;  
Cingular Wireless; American Telephone & Telegraph (AT&T) - multiple projects  
U.S. Veterans Administration Medical Centers - multiple locations/projects  
Integrated Pulp/Paper Mills - multiple locations/projects  
University of Medicine & Dentistry (UMDNJ); Columbia University (New York, NY);  
Saint Patrick's Cathedral (New York, NY); Best Foods (Englewood, NJ);  
New York Life Insurance (Lebanon, NJ); Christ Church Complex (Rockaway, NJ);  
Scandinavian Airlines (Newark, NJ); K. Hovnanian Cos. (various); Ingersoll Rand Corp. (NYC);  
Stockholm (Sweden) Globe Arena; Jacob K. Javits Convention Center (New York, NY)

#### **AFFILIATIONS AND PUBLICATIONS:**

Society of Fire Protection Engineers (SFPE) - Active Member; Local and National  
National Fire Protection Association (NFPA) - Technical Committees on:  
Combustion System Hazards; Electrical Generating/Power Plants; General Storage;  
Electrical Equipment in Chemical Atmospheres; Exposure Fire Protection;  
Public Fire Reporting Systems/National Fire Alarm Code; Fixed Guideway Transit Systems  
American Society for Testing and Materials (ASTM) - Member; Forensic and Engineering Committees  
National Society of Professional Engineers (NSPE); National Fire Sprinkler Association (NFSA);  
International Association of Arson Investigators (IAAI); International Code Council (ICC)  
Licensed Fire Official; Construction Official and Fire/Building SubCode Official  
Professional papers in ***Journal of Fire Protection Engineering*** and ***Fire Technology***

#### **LICENSURE:**

Professional Engineer: multiple licenses, including: New York (No. 071178);  
New Jersey (No. GE36370); Wisconsin (No. 28164); NCEES/National (No. 26769)  
Engineering Certificates of Authorization: 24GA27949900 (NJ), 0004773 (NYS)