



Fire & Risk
Engineering

Fire & Risk Engineering

ROBERT MALANGA, P.E.

9 Flintlock Drive, Suite 100 - Long Valley, New Jersey 07853

Telephone: 908-876-3255 ♦ Facsimile: 908-876-4299

Internet URL: www.fire-risk.com

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 States/Licenses and Certificates of Authorization
National NCEES Record (No. 26769)