



Property Loss and Personal Injury Incidents

MICHAEL WALD

Background

Electrical Engineering Consultant specializing in the investigation of fires and explosions, electrical equipment failures, electrical injury incidents, and accidents involving biomedical equipment. Specific expertise in the analysis of causation of fires, electrical equipment damage, electrocution and electric shock, accident reconstruction, biomedical device failures, and codes and standards for electrical and biomedical equipment installation and maintenance. Testifying experience in all of the above areas, both plaintiff and defense. Over 20 years experience in the installation, maintenance, testing and repair of complex electro-mechanical equipment. Knowledgeable in the application of a variety of medical equipment, devices, and procedures. Over two thousand investigations performed involving consumer products, wiring and cabling, medical devices, and residential, commercial, and industrial electrical equipment. Technical management of large loss fire and explosion investigations involving multi-disciplinary teams of investigating engineers across the United States and abroad.

Education

- ◆ Bachelor of Science (B.S.), Cornell University, Ithaca, N.Y. - 1977
Double Major in Pre-med. and Electrical Engineering
- ◆ Master of Science (M.S.), George Washington University, Washington, D.C. - 1983
Electrical Engineering with minors in Medical Engineering and Computer Science
- ◆ Certificate of Participation, Hughes Institute, Fire Chemistry and Arson Investigation, 1992

Professional Experience

President, Electrical Engineering Consultant, IEI Consulting, Inc., 1999 to Present

Management of forensic engineering consulting company, and principle investigator. Perform technical investigations, direct the investigations of sub-contracted services, and oversee all company operations.

Electrical Engineering Consultant, 1995 to 1999

Consulting services to various clients on the cause and origin of electrical equipment malfunctions and failures, fire and explosion investigations, personal injuries involving electrical equipment, and medical device incidents.

Senior Engineer / Department Director, FTI Corporation, 1990 to 1995

Investigation of engineering incidents relating to fires, explosions, personal injuries, medical device failures, property damage, equipment malfunctions, and insurance claim evaluations. Technical direction and management of electrical and biomedical departments. On-site management of large loss fire and explosion investigations involving multi-disciplinary teams of engineers.

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President/Owner, Miga Development, 1987 to 2000

Site development and construction of single family homes, additions and renovations, and consulting services. Experience in modular and stick-built construction, electrical, mechanical and plumbing system installations, grading and foundations, and permitting and inspection procedures.

IEI Consulting, Inc.

Michael Wald, Resume
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Director of Field Service, MacDonald Detwiler and Associates, 1985 to 1987

Hiring, training, and management of a team of engineers installing and maintaining laser photoplotting equipment for customers throughout North America. Hands-on troubleshooting of complex system problems and participation in product development evaluations and testing.

Eastern Region Service Manager, Gould, Incorporated, 1982 to 1985

Engineering and management of the eastern region service operation for the installation and maintenance of high speed image processing equipment in military, medical, and commercial installations.

Eastern Region Engineer, General Electric Medical Systems, 1979 to 1982

Installation, maintenance, and applications training for patient monitoring systems used in intensive care units, coronary care units, emergency and operating rooms. Additional experience in X-ray, CAT-scanners, and Nuclear-scanning equipment.

Biomedical Technician, Greater Southeast Community Hospital, 1977 to 1979

Maintenance of a variety of hospital medical equipment including therapeutic, diagnostic, laboratory, surgical, and patient monitoring. Experience in Operating Room, Intensive Care, Critical Care, and Neo-Natal Intensive Care equipment systems.

Professional Associations

- ◆ Institute of Electrical and Electronic Engineers
- ◆ National Fire Protection Association

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