

JAMES M. OROSZ, P.E.
Electrical Engineer

PROFESSIONAL EXPERIENCE

2007 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony towards the resolution of commercial and personal injury litigation involving various aspects of electric power including, but not limited to:

- The National Electric Code and National Electric Safety Code, OSHA and industry safety practices
- Underground and overhead transmission and distribution cables, transformers, circuit breakers, contactors, relays, fuses, capacitors, inductors, short circuit analysis, protection coordination, system load flow, grounding, substation design and operation, transmission and distribution design, tower and pole design, system reliability and failure analysis
- Distribution and cogeneration plant design and utility interconnection including solar, tidal turbine, micro-turbine, fuel cell, and internal combustion
- Supervisory Control and Data Acquisition (SCADA) to include power line carrier, wireless, and digital technologies
- Electrical design and operation of manufacturing equipment, robots, conveyors, programmable logic controllers (PLC's), automated tooling, automated guided vehicles (AGV's), electric motors, variable frequency drives, automated spot and MIG welding machines
- Safety of electrical systems including, engineering controls, lock out tag out procedures, Personal Protective Equipment (PPE), shocks, electrocutions, electrical arcing, fires due to electrical faults, and public safety

2001 **Consolidated Edison Incorporated**

2012 *Section Manager, Transmission System Planning* 2010-2012

Responsible for Con Edison's high voltage transmission system's performance analysis and short term planning.

Area Manager, Manhattan Substation Operations 2007-2010

Responsible for the operation, maintenance, and safety of 10 Manhattan, NY 138kV to 13.8kV and 69kV to 13.8kV substations supplying Manhattan distribution networks.

Assistant to the President and CEO of Consolidated Edison Summer 2006

Provided technical assistance to the company's senior executives for the summer's high electrical load period.

THE EXPERTS
Robson Forensic

JAMES M. OROSZ, P.E.
Electrical Engineer

- Senior Engineer* 2006
Lead engineer for distribution reliability studies. Responsible for load flow and short circuit studies for all NYC networks.
- Department Manager (Acting)* 2005-2006
Department Manager of Supervisory Control and Data Acquisition
Responsible for the control and monitoring system for all electrical distribution equipment in NYC and Westchester County, New York.
- Distribution Engineer, Cable and Network Systems Groups* 2001-2005
Researched, designed, and proposed innovative battery and diesel power for distributed generation. Reviewed and tested multiple distributed generation projects of all types throughout NYC. Supported 1999 Washington Heights network outage litigation as lead engineer.
- 1999 to 2001 **General Motors Corporation**
Supervisor
Supervisor of maintenance, operations and safety of one-half of the plant's light truck metal body assembly. Directly managed up to 12 UAW electricians per shift and was responsible for all skilled trade work in the area. Planned and executed maintenance on over \$100 million worth of programmable logic controlled tooling and conveyors, and over 100 industrial robots.
- 1999 to present **United States Army Reserves,**
Emergency Preparedness Liaison Officer (EPLO), Major 2006-present
DOD Liaison to FEMA
Coordinate, analyze, and manage DOD support to FEMA during national emergencies in New York, New Jersey, Puerto Rico, or the US Virgin Islands. Assist Army engineers to help with debris removal, helicopters for medevac and damage assessment.
- Observer Controller, Major* 2004-2006
Evaluate and control training exercises of high-level staff sections for deployable units throughout New York and New Jersey.
- Company Commander, Captain* 2002-2003
Headquarters Commander for training battalion responsible for training troops bound for Operation Iraqi Freedom, mobilized for 2003.
- Engineer Team Officer in Charge, Captain* 1999-2002
Trained company level units for mobilization and deployment.

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- 1993 to 1999 **United States Army (Corps of Engineers)** 1998-1999
Battalion Adjutant, Captain
Managed all personnel functional areas to include personnel accounting, strength reporting, personnel database management, finance, promotions, evaluations, morale support, awards, mail, and legal actions for a 568 soldier combat airborne engineer battalion.
- Assistant Battalion Operations Officer, Captain* 1996-1997
Developed and prepared all operations, plans, and orders for a 433-soldier combat engineer battalion with worldwide rapid deployment capabilities. Planned and executed quarterly training and monthly unit status briefs to the division headquarters. Presented engineer battalion field training reports to the brigade commander and staff.
- Company Executive Officer, 1st Lieutenant* 1996
Second in command of a 250 soldier headquarters and support company for a combat engineer battalion. Supervised maintenance of 140 heavy equipment engineer vehicles. Planned all company construction and training projects.
- Platoon Leader, 2nd Lieutenant* 1995-1996
Led a 54-soldier equipment support platoon for a combat (heavy) engineer battalion. Supervised and evaluated 14 non-commissioned officers and 40 enlisted soldiers. Responsible for over \$10 million of heavy engineer equipment. Planned, managed, and executed a three square km drop zone clearance.
- Platoon Leader, 2nd Lieutenant* 1993-1994
Led a 24 soldier, immediate action combat engineer platoon stationed 20 km south of the DMZ line. Trained and motivated soldiers for combat under tense political conditions. Commanded 17 American and 7 Korean national soldiers.

PROFESSIONAL CREDENTIALS

Professional Engineer License: Arkansas, Illinois, Louisiana, New Jersey, New York, Oklahoma, South Carolina

EDUCATION

MBA, New York University, Leonard N. Stern School of Business, New York, NY, 2012

M.S., Engineering Management, University of Missouri, Rolla, MO, 1998

B.S., Electrical Engineering, Dean's List, United States Military Academy, West Point, NY, 1993

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PROFESSIONAL MEMBERSHIPS

Institute of Electrical and Electronics Engineers (IEEE)
National Fire Protection Association (NFPA)

PERSONAL

Four-year member of the USMA Sport Parachute Team (three out of four year national champions).

Black belt in Tae Kwon do (karate)

Member of the Black Knights Sport Parachute Team, at the United States Military Academy (USMA), West Point

Graduate of the United States Army Airborne School

Member of the 37th Engineer Battalion (Airborne) performing regularly scheduled military parachute jumps

- Completed over 650 skydives
- Competed in the National Collegiate Parachute Competition for four years
- Made demonstration parachute jumps into stadiums, parade fields, and other public events
- Packed and inspected parachutes
- Performed pre jump inspections of parachutes and skydiving equipment
- Familiar with many types of parachute design, function, and maintenance