



HALLIWELL

METIN DUYSAK

FORENSIC ENGINEER, ELECTRICAL
ENGINEERING SERVICES

DALLAS, TX

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halliwellglobal.com

SPECIALTIES

- Power Transmission /Distribution Equipment
- Telephone / Telecommunications Equipment
- HVAC / Building Automation
- Manufacturing Equipment
- Fire / Arson
- Semi-Conductors
- Automation Controls
- Electronic Overstress
- Electrical Accidents
- Computers / Hardware / Software
- Mechanical Failure
- Test and Laboratory Equipment
- Premises Liability
- Mechanical Failure
- Medical Equipment
- Musical Systems
- Radio / TV / Broadcast Equipment

BIOGRAPHY

Metin is a degreed electrical engineer with more than 28 years' experience in assisting the insurance and legal communities following electrical and mechanical equipment/system losses by performing failure analyses to determine cause, nature, and extent of damage, as well as establishing market valuation for repair and replacement options, including restoration and salvage. He specializes in project management for complex and large losses, including disaster recovery. His expertise includes investigations of electronic equipment losses, determining origin and cause, and establishing equipment valuation and damage assessment. His investigations have involved losses caused by fire, water, power surges, and natural disasters for commercial, industrial and residential buildings, water and wastewater facilities, the pulp and paper, energy and power, and petroleum (refining and storage) industries.

QUALIFICATIONS

Master of Business Administration, Business Administration, University of Dallas – Dallas, Texas

Bachelor of Science, Electrical Engineering, Kansas State University – Manhattan, Kansas

PROFESSIONAL EXPERIENCE

- Halliwell, Forensic Engineer, Electrical Engineering Services
- Envista Forensics, Project Consultant
- Siemens Energy & Automation, Electrical Apparatus Division, Application Engineer
- Square D Company, Field Engineer

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REPRESENTATIVE ASSIGNMENTS

Water, fire, and power surge damage at textile manufacturing plants and semiconductor manufacturing plants.

Water, fire, and power surge damage to casino and gaming equipment.

Losses involving television and radio broadcast equipment and towers.

Water, fire, and power surge damage to MRI systems, CT systems, and dental equipment.

Losses involving oil rig drilling equipment and asphalt batching and control equipment.

Determined the cause of damage to chillers and HVAC systems.

Losses to manufacturing equipment including CNC machines, lathes, and milling equipment.

Failure analysis of large generators, motors, pumps, and electrical distribution equipment such as transformers, bus duct, motor control centers, and switchgear.

CONTINUING EDUCATION

- Determining Origin & Cause
- Arson Investigation (NFPA)
- Lightning Science, Vaisala Corporation, Richardson, TX, 2001
- Computer Forensics 101
- Cross Examination
- Wipe Sample Analysis
- Job Site Safety
- Black Box Downloads
- Food Processing Facility Losses
- Finding APT's Before They Sting: Malware Beacon Detection
- Winning Over the Jury
- Elevator Equipment Losses: Unique Considerations for Specialized Equipment
- Energy Claims in the Global Market
- Expert Tips for Managing Tower Equipment Claims

RECENT TESTIMONY

- Electrical and lightning damage to equipment, HVAC equipment damage.