

## Paul Hansen P.E. | Senior Forensic Engineer

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### Professional Summary:

Mr. Hansen is a licensed Professional Engineer in Illinois (since 1982) and Wisconsin. Mr. Hansen has practiced electrical forensic engineering since 1984.

After graduating from Purdue in 1970, Mr. Hansen worked briefly as a plant electrician at United States Steel, Gary Sheet and Tim Mill. In the fall of that year, after basic training, Mr. Hansen was an electronics technician (airborne radio repairman) in the United States Air Force and served in that capacity until his (honorable) discharge in 1974.

After his discharge from the Air Force, Mr. Hansen worked for Commonwealth Edison Co. as an Efficiency Engineer/plant engineer in a fossil-fuel-fired power plant, then as a control systems engineer in fossil fuel plants, and then as a control systems engineer in a PWR nuclear plant.

After leaving Commonwealth Edison, Mr. Hansen was a design-for-construction consulting electrical engineer for a Chicago Engineering firm.

In 1984, Mr. Hansen began his career in forensic electrical engineering and has extensive experience in this field. He has been court-qualified as an electrical expert in Federal and State jurisdictions.

Mr. Hansen's expertise includes:

- Estimating cost of repairs to communication cables (including fiber-optic cables)
- Estimating cost of repairs to power distribution equipment
- Electrical appliance failures
- Building wiring failures
- Electrical service equipment failures

### Licenses and Certifications:

Professional Engineer Illinois: 062.040463

Wisconsin: 29097-006

### Project Experience:

The sample projects here outline a small sampling of the types of projects and losses Mr. EXPERTNAME regularly investigates. For further information or additional examples, please contact EFI Global.

### Professional Experience:

EFI Global, Senior Forensic Engineer 1994-present

Kragh Engineering Forensic Electrical Engineer 1984-1994

McMaster-Carr Supply Co. (non-engineering) 1982-1984

Globe Engineering 1980-1982 Electrical Design Engineer

Commonwealth Edison 1974-1980 Efficiency Engineer, Instrument & Control Systems Engineer

United States Air Force 1970-1974 Airborne Communications repairman/technician (E-5 at discharge)

#### Formal Education:

Bachelor of Science in Physics Purdue University, 1970

Master of Management (MBA) Northwestern University, 1981

#### Publications:

Hansen, Paul. "Alternator Fires in Vehicles" Fire & Arson Investigator, October, 2011.

Hansen, Paul. "Capacitors and Circuit Board Vulnerability" and "Electrical Switch Failure." Control, Vol. 111, No. 2, ppf. 44, February 1990.