

**Jeffrey L. Sellon, PE, CFEI, CVFI**  
Electrical Engineering

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Mr. Sellon has more than 35 years of very broad-based experience in electrical failure analysis, engineering design, construction & start-up in a variety of industries. His focus is to provide clear explanations.

## Work History (Forensics)

President, Principal Engineer, Sellon Forensic Inc. (SFI), 2014 – Present; Colorado  
Senior Engineer, PT&C Forensic Consulting Services, P.A., 2012 – 2014; Colorado  
Principal Engineer, Western Engineering & Research Corporation, 2003 – 2012; Colorado  
President, Principal Engineer, Electrical Failure Analysis, Inc., 1998 – 2003; Colorado  
Contract Forensic Engineer (from Behrent) to Knott Laboratory, starting 1994; Colorado

## Work History (Consulting Engineering & Other)

Principal, Behrent Engineering Company, 1989 – 2001; Colorado  
Principal, AC Engineering Company, 1986 – 1989; Colorado  
Plant Electrical Engineer, Honeywell, Inc., 1984 – 1986; Colorado  
Senior Electrical Engineer, R.W. Beck & Associates, 1982 – 1984; Washington  
Senior Electrical Engineer, Dravo Engineers and Contractors, 1980 -1982; Colorado  
Electrical Engineer, Behrent Engineering Company, 1975 – 1980; Colorado  
Maintenance & new construction electrician, Mammoth Mountain Ski Area, 1973 – 1974; California  
Student Engineer, Iowa Power & Light, prior to 1973; Iowa

## Failure Analysis

Mr. Sellon identifies the causes of electrical system failures involving heavy industry, equipment breakdown, oil & gas, commercial & residential, utility including overhead power lines, mines, solar & wind energy, elevators, vehicles/marine, and appliances; shock/electrocution - safety, stray current. Electrical systems include power, control, instrumentation, grounding and lightning protection, fire alarm, communication, lighting, automation, and static electricity generation systems. Mr. Sellon also identifies failures in the construction process including defects, contracts, jobsite safety, and he provides cost estimates and cost verification of electrical construction and engineering economic analysis/present worth.

## Engineering and Design

Mr. Sellon has designed generation, power distribution, motor control (hardwire & PLC including programming), grounding, lightning protection, fire alarm, lighting & receptacle, and instrumentation systems. His design experience included heavy industry, chemical, oil & gas, data processing, building, telecommunication, utility, and government agency projects such as waste water plants and airports, as well as metal & nonmetal and coal mine projects. His master plan for the electrical power distribution at Denver's airport from 230 kV to 120 volts was selected over the plans of other engineering firms including the local electric utility, which ultimately built its part of the system to his plan.

## Testimony

Mr. Sellon has testified in depositions and courts numerous times.

## Awards and Accomplishments

Mr. Sellon is an expert and has been a frequent lecturer on Nikola Tesla, father of electrical engineering. Traveling from Colorado, he has presented lectures on Tesla at Carnegie Mellon University (Pittsburg) and Columbia University (New York). Mr. Sellon served as the technical consultant to the authors of the book Obstruction of Justice.

## Affiliations

IAAI, IAEI, IEEE, NAFI, NFPA, RMEL, AULDP, Lightning Data Center (inactive)



## Practice Areas

- Electrical
- Construction
- Equipment Breakdown
- Personal Injury
- Fire & Explosion Cause
- Wildland Fires

## Credentials

- BSEE, Iowa State University  
"Power Option"
- Worked as electrician
- Licensed Professional Engineer  
in 30 states
- NCEES record holder
- Certified Fire and Explosion  
Investigator (CFEI), 1998
- Certified Vehicle Fire Investigator  
(CVFI), 2003
- Numerous continuing education  
seminars regarding aspects of  
electrical systems and associated  
failures and fire & explosion  
causes, electric utility, electrical  
jobsite safety, job hazard analysis,  
codes, standards, and regulations  
such as NEC, NESC, NFPA,  
OSHA, and MSHA (mining)

## International

- Antarctica, Antigua, Brazil,  
Canada