

Jeffrey L. Sellon, PE

Electrical Engineering

Mr. Sellon has more than 30 years of broad-based experience in engineering failure analysis, design and start-up. He has investigated numerous multi-million dollar losses, including construction claims arising from the construction of the Denver International Airport (DIA), which was one of the largest projects in the world at the time. His focus is to help clients by providing clear explanations.

WORK HISTORY

Principal Engineer, Western Engineering & Research Corporation, 2003-Present
President, Electrical Failure Analysis, Inc., 1998-2003; Colorado
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 and New Construction Electrician, Mammoth Mountain Ski Area, 1973-1974; California
Student Engineer, Iowa Power & Light, prior to 1973; Iowa

FAILURE ANALYSIS

Mr. Sellon began providing engineering and scientific investigation, failure analysis and accident reconstruction in 1994. Mr. Sellon helps resolve electrical system failures and fire causes involving heavy industry, equipment breakdown, boiler & machinery, oil & gas, construction, utility including overhead power lines, mines, appliances, renewable energy, elevators, and vehicles; shock and electrocution. Electrical systems include power, control, instrumentation, grounding and lightning protection, fire alarm, communication, lighting, automation, and static electricity generation systems. Mr. Sellon also resolves failures in the electrical construction process including construction defects, provides cost estimates, and provides cost verification of electrical construction.

ENGINEERING AND DESIGN

Mr. Sellon has designed generation, power distribution, motor control (hardwire logic & PLC including programming), grounding, lightning protection, fire alarm, lighting and receptacle, and instrumentation systems. His work experience includes heavy industry, chemical, data processing, commercial building, telecommunication, utility and government agency projects such as waste water plants and airports, as well as metal & nonmetal and coal mine projects.

AWARDS AND ACCOMPLISHMENTS

Mr. Sellon is a nationally recognized lecturer and published author. He is an expert and frequent lecturer on Nikola Tesla, father of electrical engineering. He has presented lectures on Tesla at Carnegie Mellon University in Pittsburgh and Columbia University in New York. Mr. Sellon served as the technical consultant to the authors of the book Obstruction of Justice.

AFFILIATIONS

International Association of Arson Investigators, Institute of Electrical and Electronics Engineers, International Association of Electrical Inspectors, National Association of Fire Investigators, National Fire Protection Association, Lightning Data Center.



Practice Areas

- Electrical
- Boiler & Machinery
- Fire & Explosion Support

Contact Information

jeff@werc.com
303-757-4000

Credentials

- Licensed Professional Engineer in all states west of the Mississippi River plus IN, MI, WI
- BS, Electrical Engineering, Iowa State University, 1974
- Worked as an Electrician
- Certified Fire and Explosion Investigator (CFEI), 1998
- Certified Vehicle Fire Investigator (CVFI), 2003
- Numerous classes and seminars regarding aspects electrical systems and associated failures, electrical safety procedures, electrical codes and standards and regulations, such as OSHA and MSHA