



## John Mason

### Partner, Professional Engineer and Consultant

John Mason has extensive expertise in developing protective device settings, short circuit calculations, device duty calculations and performing arc flash hazard analysis. He also has broad experience performing acceptance, maintenance, and commissioning of electrical distribution equipment.

John owns his own consulting company, Power Protection Engineering. Previously, he was a field engineer at Apparatus Testing and Engineering.

#### Career Highlights

**e-Hazard** **2017-Present**  
*Partner, Professional Engineer and Consultant*

- Electrical workplace safety training and consulting

**Power Protection Engineering** **2015-Present**  
*Owner/Engineer*

- Provides consulting services to electrical contractors, facilities managers, and building owners to improve overall electrical distribution system coordination, equipment protection, and reduce incident energy by developing tailored protective device settings
- Evaluates equipment - calculates short circuit currents, interrupting duties, and performs load flow studies
- Provides recommendations to correct equipment deficiencies and improve performance

**Apparatus Testing and Engineering** **2011-2015**  
*Field Engineer/Engineer*

- Performed short circuit, coordination, arc flash, and load flow studies on many different types of facilities across California
- Made recommendations for correcting equipment deficiencies, improving coordination, and reducing incident energy
- Coordinated and performed acceptance and maintenance testing of low, medium, and high voltage electrical distribution equipment, including but not limited to differential relays, bus differential relays, overcurrent/instantaneous relays, CT's, CPT's, PT's, transformers, SF6 circuit breakers, circuit switchers, vacuum breakers, and low voltage circuit breakers
- Provided recommendations on maintenance practices, maintenance intervals, and testing requirements for various distribution equipment

#### Snapshot

##### Focus

##### TRAINING

- Low Voltage
- High Voltage
- Utilities
- Electric Vehicle (EV)
- Lockout/ Tagout (LOTO)

##### SERVICES

- Arc Flash Studies
- Electrical Safety Programs
- Audits
- Investigations
- Lockout/ Tagout (LOTO)

#### Career Experience Timeline



#### Education, Certifications & Licenses

**California State University Sacramento, Sacramento, CA**

B.S., *Mechanical Engineering*

**Registered Professional Engineer, California**

**National Fire Protection Association (NFPA)**

Member, Certified Electrical Safety Compliance Professional (CESCP)