

# Expert Witness Resume

## Areas of Expertise

- Power generation and distribution
- Electrical power engineering design, review, implementation, analyses
- Commercial/industrial business to utility electrical interface
- Central power plant design for campuses
- Forensic and litigation support, and testimony, if needed, at deposition and trial
- Determine cause and resolve electrical shock hazards
- Find and resolve code and safety issues with better design
- Automation and control systems design, evaluation and implementation
- Instrumentation and control valves
- Custom circuits and electronic design
- Electrical equipment programming, commissioning, and operation
- Electrically hazardous areas classification, design or evaluation
- Wiring methods in hazardous areas
- Design team lead and support
- Code and safety evaluations both pre and post accidents and events
- Boiler conversions to dual fuel
- Heater installations to vaporize flammable gas
- Energy efficiency and management including energy audits
- Renewable energy projects
- Low and medium voltage
- Industrial, commercial and residential settings
- Safety inspections, code investigations, standard practices review and analyses
- Lightning loss evaluation, protection and damages evaluation
- Machine or plant software program loss evaluation and prevention
- Construction, commissioning, startup and training
- Prototype development for research projects

## Industries

1. Cogeneration and trigeneration power plants, simple and combined cycle
2. Flammable liquid and gas handling and storage plants, marine terminals, truck load stations, meter and regulator stations, liquid and vapor handling
3. Water handling, purification and storage
4. Wastewater
5. Pump Stations
6. Aquaculture, aquariums, hatcheries
7. Waste heat to energy plants
8. Combustion research and testing facilities
9. Commercial/Industrial Business On-Site Power Generation
10. Commercial/Industrial Business to Utility Electrical Interface
11. Commercial Buildings, Facilities and Campuses

