

I have 20+ years experience in the electrical & instrumentation industry in various capacities. This includes experience in supervision, maintenance, construction, powerplant operation, 3<sup>rd</sup> Party NETA Testing, Functional Checkout, Startup, and Commissioning, design (Autocad), automation (PLC, HMI, & SCADA Programming), instrumentation, testing, fiber optics, fire alarm and gas detection. I have worked with process instrumentation & control systems, electrical instrumentation & control systems, power distribution up to 34.5kV, utility substations up to 69kV, Hazardous Locations (including Zone Rated systems) and have extensive experience with all types of grounding systems. My experience has been in several industries including Nuclear Powerplant Operations, Fossil Fuel Powerplant construction and maintenance, Oil & Gas (production, processing, and pipelines), cement processing, sawmill, pulp and paper, wastewater, UL508 Control Panels, motion control, machinery controls, semiconductor manufacturing, government installations, environmental controls, and manufacturing industries of various types. I previously was approved as CEU provider for electricians and administrators by the State of Alaska and conducted NEC update and Soares Grounding classes.