

Erwin Kessler

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EXPERIENCE

ELECTRICAL ENGINEER SENIOR PROFESSIONAL

Philadelphia, PA

06/2016 – present

- Support business opportunities and assist in sales and marketing efforts (proposal preparation, interviewing, scope, fee, etc.)
- Producing effective and accurate written documents, reports, and technical memorandums
- Successfully manage and execute electrical designs to be on time and on budget using company systems and tools
- BS in Electrical Engineering
- Scope and budget projects, identify method of project execution and coordinate staff assignments
- Perform contractor construction submittal reviews and request for information documents and general electrical design activities for plant and pump station power systems
- Collaborate with a national team of technical experts in the Electrical and I&C group

ELECTRICAL ENGINEER, SENIOR

Phoenix, AZ

01/2014 – 03/2016

- Developing engineering specification documents for critical modules & working with suppliers from manufacturing till final implementation stages
- Well versed with Part life cycle management, Obsolescence management activities
- Assist in development of electrical product specifications
- Managing lab activities interacting with facilities on selection of key components such as Transformers, power supplies, protection devices such as Circuit breakers and fuses
- Knowledge of automatic control theory and application, operation of peripheral devices and sensors such as: RTD's, thermocouples, electric actuators, servo motors/drives, stepper motors, heaters, pressure sensors, pressure controllers, flow controllers, mass airflow sensors
- Prepares detailed technical reports on work performed. May initiate engineering changes
- Performs and analyzes system and/or component tests. Assists in specialized research or engineering studies

ELECTRICAL ENGINEER SENIOR

San Francisco, CA

05/2011 – 10/2013

- Assist in developing scopes of work, engineering soft cost design estimates and resource plans
- Establish and manage a support subcontract, including management of formal correspondence and meetings with weapon suppliers for the Block 4 weapons
- Organize and develop project design criteria and engineering work plans
- Develop project budgets, make purchases and monitor expenses. Interact with vendors regarding procurement and delivery issues
- Perform peer reviews of work product of other department staff or US-Based consultant
- Assist in monitoring performance and earned value against the project design schedule and budget
- Interface with Lam world-wide Engineering design group for providing PCBA Test Procedure/ Test fixture development and documentation

EDUCATION

UNIVERSITY OF DELAWARE

Bachelor's Degree in Electrical Engineering

SKILLS

- Detailed knowledge of Quality Control techniques and practices, and the Code of Federal Regulations
- Working knowledge of the Future Airborne Capability Environment (FACE) technical standard
- Ability to understand power quality and harmonics levels
- Experience in Components Engineering with broad knowledge of electronic components and devices
- Experience performing ARC Flash analyses highly desired
- Create and maintain Electrical Drawings including Service Schematics, Cable Drawings, and others
- Applies technical knowledge to solve complex problems by documenting design drawings, manuals or simulator documents, performs other duties as assigned
- Applies technical knowledge to solve complex problems by interpreting design drawings, manuals or simulator documents, performs other duties as assigned
- Isolates and reports malfunctions and discrepancies to the lowest definable levels
- Maintaining simulation devices to meet availability specifications