

**Job Title:** Maintenance Electrician  
**Department:** Cell Manufacturing  
**Reports To:** Manufacturing Manager - Cell  
**FLSA Status:** Non-Exempt (Overtime Eligible)  
**Effective Date:** October 2, 2017

**Position Overview:**

EnerDel designs, builds and manufactures lithium-ion energy storage solutions and battery systems with a focus on heavy duty transportation, on- and off-grid electrical, mass transit and task-oriented applications. The Maintenance Electrician repairs and maintains machinery and mechanical equipment including pneumatic components, hydraulic components, conveyor systems, production machines and equipment.

**Essential Job Functions**

- Assist with equipment installation and electrical troubleshooting of equipment and facilities
- Write Predictive Maintenance (TPM) plans per manufacturer's specifications
- Serve as technical liaison to engineering and manufacturing departments
- Maintain electrical aspects of battery processes and assembly equipment
- Perform necessary preventative maintenance to the equipment and machinery, repair and replace defective parts;
- Perform mechanical/electrical tests as part of problem analysis;
- Perform calibration and adjustment procedures on process equipment;
- Make necessary electrical installations and/or repairs;
- Work with departments to provide mechanical support;
- Maintain maintenance record keeping system.
- Follow standard safety practices and regulations and maintain work area and equipment in clean orderly condition.
- Perform other duties as assigned

**Required Knowledge, Skills, & Abilities:**

*To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skills, and ability required.*

- Required:
  - Electrician's License
- Preferred:
  - Journeymen
  - 5+ years related work experience
  - High Voltage Training/Experience
  - Experience with 480V 3-Phase
  - Strong working knowledge of PLC controllers
  - Experience with Allen Bradley PLC's and others (ie, Omron, Mitsubishi,)
  - Experience with motion controls, motor speed controls, and machine control safety standards a plus.
  - Experience with vision systems a plus.
  - Experience and ability in mechanical, electrical and electronic maintenance troubleshooting techniques;
  - Ability to have own hand tools to perform necessary work.
  - Ability to read/comprehend written and verbal instructions;
  - Ability to work safely at elevated work heights. (Fall Protection Training)
  - Ability to run conduit and pull wire.
  - Ability to troubleshoot bar-code scanners.
  - Ability to work with minimal supervision;
  - Excellent problems solving skills
  - Good computer skills, including Microsoft Word and Excel
  - Robotics troubleshooting experience
  - Strong commitment to Preventive/Predictive Maintenance activities
  - Working knowledge of mechanical/electrical principles and concepts;
  - Working knowledge of PC devices and related hardware and software

**Supervisory Responsibilities:** None.

This job description is intended to convey information essential to understanding the scope of the job and the general nature and level of work performed by job holders within this job. This job description is not intended to be an exhaustive list of qualifications, skills, efforts, duties, responsibilities or working conditions associated with the position.

**Physical Requirements/Hazardous Working Conditions:**

*The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential work functions.*

**Physical Demands**

- Standing
- Walking
- Sitting
- Lifting
- Carrying
- Pushing/Pulling
- Climbing
- Balancing
- Stooping
- Kneeling
- Reaching
- Handling
- Feeling
- Talking
- Eye/Hand/Foot Coordination
- Vibration
- Typing/Keyboarding

**Vision/Sight/Hearing**

- Vision-Far Acuity
- Vision-Near Acuity
- Vision-Depth Perception
- Vision-Peripheral
- Color Vision
- Listening/Hearing

**Physical Strength**

- Sedentary Work
- Light Work
- Medium Work
- Heavy Work
- Lifting up to 10 lbs.
- Lifting up to 25 lbs.
- Lifting up to 50 lbs.
- Lifting over 50 lbs.

**Environmental Conditions**

- Temperature Changes
- Infectious Disease
- Humid
- Noise

- Hazards
- Wet
- Hazardous Chemicals
- Blood/Body Fluids

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