



<b>JOB TITLE:</b>	<b>Electrical Systems Control Engineer</b>	<b>SHIFT:</b>	<b>1</b>
<b>DEPARTMENT:</b>	<b>Advanced Manufacturing Engineering</b>	<b>LOCATION:</b>	<b>Owatonna MN</b>
<b>REPORTS TO:</b>	<b>Systems &amp; Controls Supervisor</b>	<b>FLSA STATUS:</b>	<b>Exempt</b>

<b>POSITION PURPOSE:</b>
<ul style="list-style-type: none"> <li>• Responsible for full projects management, project scope management, timeline development, financial feasibility calculations, designing, developing, installing, managing, maintaining equipment, control engineering systems, and processes.</li> <li>• Responsible for this position is a key individual contributor providing the technical expertise to Amesburytruth in machine controls and panel building. The incumbent is challenged to maintain an awareness of new technologies and equipment, along with identifying those which may be appropriate for Amesburytruth.</li> <li>• This position has authority to approve capital equipment specifications and designs. Develops and executes plans to obtain approved equipment.</li> <li>• To perform effectively in this, position an individual requires knowledge of project design, programming, documentation, panel assembly, installation, machine wiring, start up along with the ability to communicate and work well with a variety of people.</li> </ul>

<b>ESSENTIAL DUTIES &amp; RESPONSIBILITIES:</b>
<ul style="list-style-type: none"> <li>• Follow all National Electrical Codes book 70 and National Fire Protection Agency book 79 machine builders' code.</li> <li>• Follow job site safety policies and procedures to prevent injury to self and/or others; i.e. lock out, tag out, warning signs and PPE.</li> <li>• Programming of multiple style PLC's, IAI's, robots, HMI's, VFD's and other automation devices.</li> <li>• Prepare technical drawings, specifications of electrical systems, to ensure that installations and operations conform to electrical standards. Operate computer-assisted design software to perform controls task i.e. panel drawings, wiring prints, HMI layout.</li> <li>• Operate a personnel computer (PC), using software, including Microsoft office, databases, and spreadsheets, graphics packages to prepare detailed technical reports for use by others including management, co-workers and other employees.</li> <li>• Assist in diagnosing problems giving direction as needed to repair machinery and equipment as promptly as possible to minimize downtime; includes all electrical, hydraulic, mechanical, and pneumatic operations.</li> <li>• Must be flexible in working hours to meet internal/external customer requirements such as Scheduled and non-scheduled overtime shifts etc.</li> <li>• Investigate internal customer complaints, determine the nature and extent of the problems recommend the corrective actions needed to address the complaints.</li> <li>• Calculate electrical load requirements of all new equipment and machinery.</li> <li>• Assist and develop capital projects/programs by developing budgetary quotes for labor, materials, and construction costs for new machinery, equipment or major repairs.</li> <li>• Participate in pre-design reviews with automation and manufacturing engineers for new equipment. Oversee project production efforts to assure projects are completed on time and within budget. Inspect completed installations and observe operations to</li> </ul>

ensure conformance to design specifications along with compliance with the operational and safety standards.

- Determine parts/equipment or support needed for timely repair and order them through vendor purchase requisitions.
- Provide training and guidance to maintenance personnel on equipment in order to assume operating control of it. Assist electricians with job requirements and monitor their work to assure it is in accordance with established methods and procedures.
- Perform a variety of electrical functions including installation and repair of equipment and machines.
- Research and compare best machine related safety products to ensure the safety of all personal and compliance with OSHA standards.
- Must be knowledgeable of the safety requirements in the handling of chemicals and/or hazardous waste that is on-site.
- Investigate and test Vendor products for application on new and existing equipment.
- Develop preventive and predictive maintenance schedules on all new equipment.
- Continuing education to keep up to date with machine automation demands, software and technology.
- May be required to travel to other Amesburytruth locations to assist in automation projects.
- Other duties as assign.

**KNOWLEDGE / SKILLS / ABILITIES:**

- Experience in cost justification for the procurement of equipment
- Excellent analytical, organizational and project management skills
- Ability to effectively communicate verbally (in person or by telephone) and in writing as required
- Must be able to communicate effectively verbally and in writing, with the ability to work independently, as well as cooperatively and collaboratively with all levels of employees, management and third parties.

**QUALIFICATIONS / PRIOR EXPERIENCE:**

- Five or more years of electrical experience in a manufacturing environment
- Have working knowledge of NEC code, NFPA 70E, its interpretation and implementation
- Experience with Microstation CAD software or willing to learn the software package

**WORK ENVIRONMENT/OTHER REQUIREMENTS:**

- The work performed is conducted in a manufacturing environment with moderate noise levels that are within OSHA limits
- While performing the duties of this job, the employee is regularly required to use hands to finger, handle, or feel. Be able talk or hear clearly. The employee frequently is required to stand, walk, sit, and reach with hands and arms. The employee is occasionally required to stoop, kneel, crouch, or crawl. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision.
- The incumbent is required to practice good housekeeping skills and report all safety hazards to his/her supervisor. This promotes a safe working environment for all Truth Hardware personnel and outside visitors coming into our facilities.

- The incumbent must also always focus on safety with every aspect of their job i.e. programming, panel builds, machine movements, etc.

*The above statement reflects the general details considered necessary to describe the principal functions of the job identified, and shall not be construed as a detailed description of all the work requirements that may be inherent in the job.*

**Qualified Candidates: Please submit resume to [anni.yule@amesburytruth.com](mailto:anni.yule@amesburytruth.com)**