OVERVIEW

As an E&I technician, perform all tasks in a safe, confident and timely manner. Design, install, troubleshoot and repair electrical and instrumentation systems to ensure maximum paper machine production.

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<tr>
<th>Key Accountabilities</th>
<th>Key Activities</th>
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<td>1. General</td>
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<td>Follow and lead fellow team members in safe work practices in pursuit of zero injuries. Actively participate in safety programs.</td>
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<td>Perform electrical construction tasks including installation of conduit, wire tray, wire pulling, enclosures, transformers and all electrical terminations per NEC Code.</td>
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<td>Installation, configuration and troubleshooting of photo eyes, proximity switches, limit switches, PLC input/output modules and all associated control wiring.</td>
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<td>Configure, troubleshoot and repair motors, motor control centers, variable frequency drives and soft-starts up to 2300V.</td>
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<td>Maintain and troubleshoot position feedback devices, encoders, load cells, hydraulic systems, natural gas burners and boiler control systems.</td>
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<td>Installation, calibration and troubleshooting of pressure, level, flow, temperature, consistency, conductivity, turbidity and pH transmitters.</td>
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<td>Troubleshoot and maintain Honeywell QCS mechanical, electrical and software systems.</td>
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<td>Calibrate, maintain and rebuild process valves, actuators and positioners.</td>
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<td>Maintain all general plant lighting and facility electrical power distribution.</td>
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<td>Proper use of test equipment, including meggers, oscilloscopes, motor analyzers, manometers, signal generators, computers and specialized software.</td>
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<td>Operate overhead cranes, forklifts, pallet jacks, manlifts, scissor lifts and utility vehicles.</td>
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<td>Use CMMS (JD Edwards) to create work orders, order parts, track man-hours and maintain equipment history.</td>
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<td>Participates in all team activities and communicates to all other team members to ensure the success of the maintenance department.</td>
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<td>Perform special or occasional duties as required, including assisting mechanical maintenance team members and special projects.</td>
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<td>Provide On-Call coverage as directed by supervision.</td>
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2. Optimization
- Tuning of process control loops and machine control systems.
- Programming and troubleshooting of DCS, PLC and HMI interfaces.
- Develop DCS help displays and routines for ease of use to minimize downtime.
- Perform PM and PdM tasks, using visual, ultrasonic, infrared, static and dynamic motor analyser technologies.
- Provide training to operations and maintenance crafts to enable self-sufficient troubleshooting skills.

3. Engineering
- Perform configuration and logic modifications to DCS and PLC control systems. Modifications will include programming in ladder logic, block logic, sequential logic and statement logic.
- Design, configuration and implementation of integrated and stand-alone graphic human machine interfaces.
- Design and specification of communication protocols, including Profibus, serial and industrial Ethernet.
- Assist with systems integration for both hardware and software solutions.
- Specify, design and construct process control and I/O cabinets.
- Create and modify schematic and layout drawings using AutoCAD.
- Specify cabling and wire sizing for power and control wiring, per NEC Code.

Minimum Qualifications *(technical/professional skills, expertise and qualifications)*

- High school education or equivalent and one of the following:
  - 7 years of experience or 2 year degree with 5 years of experience as an industrial E&I technician.
  - ISA Certified Control Systems Technician (CCST) Level II certification.
  - Nevada State electrical journeyman's license and proven abilities.
- Ability to troubleshoot and modify control logic using Siemens PCS7 operator and engineering stations.
- Able to troubleshoot and repair 480V and 2300V motors, drives, cabling, transformers, power supplies, electrical mechanical equipment and process control loops.
- Able to safely troubleshoot and repair boiler and burner control systems.
- Proficient with Installation, calibration and troubleshooting of all machine instrumentation.
- Designing, constructing and installing additional machine control loops and systems.
- Exhibit strong problem solving ability with analog and digital control systems.
- Able to modify and create electrical schematics and diagrams, as needed.
- Exhibit and follow local and National Electric Code standards and policies.
- High proficiency with computers and automation software.
- Demonstrated proper uses of PPE and performs all work in a safe manner.
- Must be self-directed with positive attitude and willingness to change with conditions.

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<th>Working Conditions <em>(e.g., heat, cold, noise, etc.)</em></th>
<th>Essential Physical Functions <em>(e.g., lifting, bending, climbing, reading, etc.)</em></th>
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<td>Hot, dusty, humid and noisy mill environment.</td>
<td>Bending, lifting up to 50 pounds, climbing stairs and ladders and scaffolding while troubleshooting equipment.</td>
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<td>Some travel may be required.</td>
<td>Reading of technical operations and maintenance manuals, procedures, schematics, and blueprints.</td>
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<td>Working on and around 2300 volt electrical equipment will be required.</td>
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<td>Compressed air, steam, lubrication oil and hydraulic fluid will be used in the paper machine area.</td>
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<td>There are slipping, tripping and falling hazards, as well as running nips and suspended loads.</td>
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How to Apply
Apply online at http://www.clearwaterpaper.com. Or email Gina Ciampaglio at gina.ciapaglio@clearwaterpaper.com with any questions you may have.