

## ELECTRICAL & INSTRUMENT TECHNICIAN

**PostingID:** E080016

**Company:** Clearwater Paper Corp.

**Position Type:** Full-Time Employment

**College Major(s):** Electrical & Mechanical Engineering

**Company Website:** <http://www.clearwaterpaper.com>

**Work Location:** Las Vegas, NV

**Salary:** N/A

**College Level(s):** Any Level

### 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.

Key Accountabilities	Key Activities
1. General	<ul style="list-style-type: none"> <li>Follow and lead fellow team members in safe work practices in pursuit of zero injuries. Actively participate in safety programs.</li> <li>Perform electrical construction tasks including installation of conduit, wire tray, wire pulling, enclosures, transformers and all electrical terminations per NEC Code.</li> <li>Installation, configuration and troubleshooting of photo eyes, proximity switches, limit switches, PLC input/output modules and all associated control wiring.</li> <li>Configure, troubleshoot and repair motors, motor control centers, variable frequency drives and soft-starts up to 2300V.</li> <li>Maintain and troubleshoot position feedback devices, encoders, load cells, hydraulic systems, natural gas burners and boiler control systems.</li> <li>Installation, calibration and troubleshooting of pressure, level, flow, temperature, consistency, conductivity, turbidity and pH transmitters.</li> <li>Troubleshoot and maintain Honeywell QCS mechanical, electrical and software systems.</li> <li>Calibrate, maintain and rebuild process valves, actuators and positioners.</li> <li>Maintain all general plant lighting and facility electrical power distribution.</li> <li>Proper use of test equipment, including meggers, oscilloscopes, motor analyzers, manometers, signal generators, computers and specialized software.</li> <li>Operate overhead cranes, forklifts, pallet jacks, manlifts, scissor lifts and utility vehicles.</li> <li>Use CMMS (JD Edwards) to create work orders, order parts, track man-hours and maintain equipment history.</li> <li>Participates in all team activities and communicates to all other team members to ensure the success of the maintenance department.</li> <li>Perform special or occasional duties as required, including assisting mechanical maintenance team members and special projects.</li> <li>Provide On-Call coverage as directed by supervision.</li> </ul>



# INTERNSHIP & CAREER SERVICES

HOWARD R. HUGHES COLLEGE OF ENGINEERING

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.

## Working Conditions *(e.g., heat, cold, noise, etc.)*

- Hot, dusty, humid and noisy mill environment.
- Some travel may be required.
- Working on and around 2300 volt electrical equipment will be required.
- Compressed air, steam, lubrication oil and hydraulic fluid will be used in the paper machine area.
- There are slipping, tripping and falling hazards, as well as running nips and suspended loads.

## Essential Physical Functions *(e.g., lifting, bending, climbing, reading, etc.)*

- Bending, lifting up to 50 pounds, climbing stairs and ladders and scaffolding while troubleshooting equipment.
- Reading of technical operations and maintenance manuals, procedures, schematics, and blueprints.

**How to Apply**

Apply online at <http://www.clearwaterpaper.com>. Or email Gina Ciampaglio at [gina.ciapaglio@clearwaterpaper.com](mailto:gina.ciapaglio@clearwaterpaper.com) with any questions you may have.