

Position Charter - INSTRUMENTATION &
ELECTRICAL TECHNICIAN

POSITION TITLE:	INSTRUMENTATION & ELECTRICAL TECHNICIAN	REPORTS TO:	MAINTENANCE SUPERVISOR
DIVISION:	AB MAURI NORTH AMERICA	FLSA STATUS:	NONEXEMPT
DEPARTMENT/ LOCATION:	MAINTENANCE/MEMPHIS		

POSITION OBJECTIVE:	Install, troubleshoot, and repair electrical systems, instrumentation, and PLC of individual machinery or equipment as well as multiple equipment systems.
KEY RESULT AREAS:	PERFORMANCE STANDARDS:
Operations	<ul style="list-style-type: none"> • Install power supply wiring and conduit for newly installed equipment and associated instruments and controls. • Connect power supply wires to equipment and connect wiring from equipment to equipment or from equipment to instruments or controllers. • Research controls and instrumentation devices available to industry that provide the best solution to process needs. • Diagnose and repair malfunctioning apparatus such as transformers, motors, drives, starters, and process instruments. • Replace/repair/calibrate faulty electrical and instrumentation components such as relays, switches, contactors, solenoids, photo eyes, flow meters, level and pressure indicators / transmitters, RTD's, etc. • Repair/replace faulty electronic components such as PCB's. • Troubleshoot PLC/DCS systems and associated apparatus by programming or editing programs and control loops. • Write PLC/DCS programs for new equipment or alterations of existing equipment. • Troubleshoot all aspects of 480V 3-phase electrical systems with or without schematics. • Troubleshoot, align and repair 4-20mA circuits • Read and troubleshoot using technical manuals, electrical diagrams, and PLC logic / DCS language. • Troubleshoot valve and pumping controls. • Set-up wiring for new valves to be put in service. • Self-starter with the ability to work with minimal supervision.
Planning	<ul style="list-style-type: none"> • Responsible for or assists in the planning layout of wiring installs, conduit runs, and electrical apparatus within plant operations.
Human Resources	<ul style="list-style-type: none"> • Comply with HR policies and procedures. • Comply with all relevant employment laws.
Packaging	<ul style="list-style-type: none"> • Knowledge of packaging equipment in a food manufacturing environment is preferred.
Safety & Environmental	<ul style="list-style-type: none"> • Knowledgeable of safe work practices including hot work and confined space permitting and LOTO. Comply with all environmental plant policies and state and local regulations.

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Other:	<ul style="list-style-type: none"> • Other duties as assigned.
A COMBINATION OF THE LISTED SKILLS AND KNOWLEDGE IS PREFERRED	<ul style="list-style-type: none"> • Proficient with Windows based operating systems and software. • Allen-Bradley PLC's (ControlLogix, CompactLogix, Flex I/O, MicroLogix, Panelview, RSView, SCADA systems, communications via ControlNet, DeviceNet, or Ethernet. • Programming/troubleshooting robots. • CMMS and TPM experience. • Licensed journeyman electrician
OTHER FACTORS	<ul style="list-style-type: none"> • Ability to work rotating shifts, weekends, and overtime as needed.
WORKING CONDITIONS	<ul style="list-style-type: none"> • While performing the duties of this job, the employee is regularly required to communicate with other employees. The employee frequently is required to walk and use hands to operate, handle, or feel objects, tools, or controls. The employee is occasionally required to stand for extended periods, sit, reach with hands and arms, climb or balance, stoop, kneel, crouch, or crawl. • The employee must occasionally lift and/or move more than 100lbs. Specific vision abilities required by this job include close/distance/color/peripheral/depth perception and the ability to adjust focus. • While performing the duties of this job, the employee is regularly exposed to risk of electrical shock. The employee frequently works near moving mechanical machinery and is frequently exposed to wet/or humid conditions. The employee occasionally works in high places and in outside weather conditions. The employee may encounter fumes or airborne particles, toxic or caustic chemicals, extreme cold and extreme heat.

CONTENT APPROVAL DATE: _____