



# UNITRON CONTROLS® DESIGNER & PROJECT MANAGER

<b>Department:</b> Unitron Controls®	<b>Reports To:</b> Unitron Controls® Division Manager
	<b>Revised:</b> April 2021

## JOB SUMMARY:

Responsible for industrial control panel design, project management, and technical support with an emphasis on the water and wastewater industries. This is a full-time salaried position based out of our Lakeland control panel shop office.

## ESSENTIAL FUNCTIONS:

### General:

- Generate accurate project quotations
- Generate project submittal packages
  - Includes generating control panel electrical schematics, bill of materials, and layout drawings in AutoCAD.
  - May require gathering component data sheets, creating testing submittals, software submittals, etc. as required by the project specifications
- Production order processing in our ERP system (currently Microsoft Dynamics AX)
- Development of panel engineering packet for shop production using AutoCAD and Excel
- Communicate with BPI's sales team, purchasing, engineering (internal and external), customers, and end users to ensure successful project design and completion.
- Support panel builders during control panel production
- Device programming and factory function testing support
  - Including PLC/HMI, VFD, soft starters, process controllers, relay logic, etc.
  - Calibration of various analog and digital process measurement transmitters using mA process meters, HART calibrators, and various multi-meters.
- Field acceptance testing, commissioning, and end-user training
- Sales and customer technical support over telephone and on-site
- Work with sales and/or customers to design and implement control solutions for field installation/modifications.
- Field modification, installation, wiring, and integration of control panels and instrumentation.

### Engineering:

- Interpretation of engineered electrical plans and specifications
- UL508 and UL698 compliance, where applicable
- National Electrical Code compliance
- Quotation and submittal professionalism and accuracy

### Software:

- Microsoft Office Suite
- AutoCAD (Experience with the Electrical toolset is preferred)
- PLC/HMI Programming software (previous work experience with any or all is preferred)
  - Rockwell RSLogix 500/5000/Studio/IAB
  - Schneider Electric Unity Pro
  - Siemens Step 7 / WinCC
  - Unitronics VisiLogic
  - Maple Systems EZWare
  - VTScada or equal SCADA software



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## Inventory:

- Research components to develop solutions and determine their suitability for a particular control scheme
- Create production order bill of materials in ERP
- Communicate with inventory clerk to have new parts added to ERP.

## Production:

- Communicate with production administrator as necessary to prevent/resolve technical production issues
- Evaluate and develop solutions for various design and quality control issues

## Sales:

- Join Barney's account managers on sales calls for technical sales support

## TRAVEL & AVAILABILITY:

- Ability to travel within the state of Florida approx. 25% of the time, as business needs dictate
  - Overnight, weekend, out-of-state, or out-of-country travel may be required (rare)
- Occasional after-hours emergency callout duties (rare)
- A company iPhone is provided

**EDUCATION:** Bachelor's degree in Engineering, Engineering Technology, or equivalent experience

**WORK EXPERIENCE:** Three years minimum industry experience is preferred, including direct experience designing, building, or maintaining electric motor controls

## LICENSES AND CERTIFICATIONS:

- Must maintain a valid driver's license

## SKILLS AND ABILITIES:

- Must be highly motivated and a self-starter
- Proficient with electric multi-meters/signal calibrators
- Excellent electrical / relay logic troubleshooting skills
- Excellent verbal and written communication skills
- Excellent computer skills
- Ability to organize and prioritize workload
- Must be aware of and adhere to electrical, shop, and jobsite safety protocols
- Proficient with power and hand tools
- Must be able to sit, stand, and walk for prolonged periods, reach, lift up to 30lbs, carry, pull, push, bend, grasp, and climb stairs and ladders
- Must be able to work in non-climate-controlled environments (Unitron Controls® shop, jobsites, etc.)