

<b>Department:</b> Unitron Controls®	<b>Reports To:</b> Unitron Controls® Division Manager
	<b>Revised:</b> Feb 2024

**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 Prophet 21)
- 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 execution.
- Support panel builder questions during control panel production
- Device programming and factory function testing support
  - Including PLC/HMI, I/O, 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/or 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.
- Support for field modification, installation, wiring, and integration of control panels and instrumentation.
- Perform as a Barney's Pumps team member. Our employees exhibit high competency, high character, and are oriented toward action. Our focus on teamwork, achievement, and a "better every day" mindset ensure the success of Barney's and our employees.

Engineering:

- Interpretation & takeoffs of engineered electrical plans and specifications
- UL508A and UL698A compliance, where applicable
- National Electrical Code compliance
- Quotation and submittal professionalism and accuracy

Software:

- Microsoft Office Suite
- AutoCAD (experience with the Electrical toolset is a plus, but not required)
- Prophet 21 (experience with this or any ERP system is preferred)
- PLC/HMI Programming experience with any of the following is a plus, but not required:
  - Rockwell RSLogix 500/5000/Studio/IAB

- Schneider Electric Unity Pro
- Siemens Step 7 / WinCC
- Unitronics VisiLogic
- Maple Systems EZWare
- VTScada (or equal) SCADA software

**Inventory:**

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

**Production:**

- Communicate with panel builders and production supervisor to prevent and resolve any design or technical production issues
- Evaluate and develop solutions for various design and quality control challenges

**Sales:**

- Join Barney's account managers on sales calls for technical sales support, project takeoffs, and coordination meetings.

**TRAVEL & AVAILABILITY:**

- Ability to travel within the state of Florida approx. 10-25% of the time, as business needs dictate. Out-of-state/country travel may be required on occasion (very rarely).
- Standard Office Hours are M-F/8-5. Occasional after-hours or weekend work may be required.

**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, and/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
- Ability to organize and prioritize workload
- Ability to concurrently handle multiple projects of varying complexity, and in various project stages.
- Proficient with electric multi-meters/signal calibrators
- Excellent electrical & relay logic troubleshooting skills
- Excellent verbal and written communication skills
- Excellent computer skills
- Must be aware of and strictly adhere to electrical, shop, and job-site 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 and project sites)



**UNITRON CONTROLS®  
DESIGNER & PROJECT  
MANAGER**

- **Barney's Pumps is a drug free workplace. All job offers are contingent on passing a drug test, a physical, and a background check.**