

Department: Engineering	Reports To: Engineering Manager
Location: Lakeland	Revised: April 2021

JOB SUMMARY:

Working for the Engineering Department, this position provides high-end design, execution, and technical support for SCADA and PLC based control systems with an emphasis on the water and wastewater industries. This position includes working with Unitron Controls®, a division of Barney's Pumps, as well as Inside Sales department personnel.

ESSENTIAL FUNCTIONS:General

- Advanced level programming of Programmable Logic Controllers (PLC), Human Machine Interfaces (HMI), and Variable Frequency Drives (VFD).
- Work with Unitron Controls® and Sci-Text® to develop and maintain programming standards for PLC's and HMI's.
- Factory and field acceptance testing, commissioning, and end user training for packaged pumping systems and single process PLC applications.
- Develop internal training program for electrical and control system programming, calibration, testing and troubleshooting.
- Develop remote access standard procedures, managing of customer accounts, and programming logs.
- Technical writing for various projects including control narratives, IO point testing, and factory acceptance testing, and end user training.
- Maintain training and certifications of software packages and third parties such as International Society of Automation (ISA).

Technical Support

- Sales and customer technical support over telephone, remote VPN access, and on-site.
- Develop internal and external PLC and HMI software training.
- Maintenance of control system files, data, forms, and procedures.

Project Management

- Manage and execute integration projects within budget and schedule.
- Engineering and Sales Department liaison to Unitron Controls® and Sci-Text®.
- Maintain and develop I&C standards related to packaged pumping systems as well as water and waste water industries.
- Overall responsibility for the software development and maintenance of BPI packaged pumping systems and PLC based control system applications.

Software Experience

- Knowledge of automation systems including instrumentation, PLC's, HMI's, and SCADA applications.
- PLC and HMI programming software (previous work experience with any or all is preferred)
 - Rockwell RSLogix 500/5000/Studio/IAB
 - Maple Systems EZWare Plus / EBPro
 - Unitronics VisiLogic™ and UniLogic®
 - Schneider Electric Unity Pro
 - Siemens Step 7 / WinCC
- SCADA programming software (previous work experience with any or all is preferred)
 - VTScada, Wonderware, FactoryTalk View Site Edition or equivalent SCADA software



PLC PROGRAMMER

- Knowledge of industrial communication networks, network security, and proprietary communication protocols

EDUCATION:

- Bachelor's degree in Engineering or Engineering Technology

WORK EXPERIENCE:

- One to three years of relevant work experience.

LICENSES AND CERTIFICATIONS:

- Valid driver's license.
- PLC and HMI software training certifications / credit is a plus
- SCADA software training certifications / credit is a plus

SKILLS AND ABILITIES:

- Must be highly motivated and a self-starter.
- Able to carry out a series of work instructions without constant supervision.
- Ability to communicate effectively.
- Excellent verbal and written communication skills.
- Ability to organize and prioritize.
- Be able to communicate with multiple departments which include production, purchasing, accounting, and warehouse.
- Proficient in Microsoft Office.

INFORMATION ON BARNEY'S PUMPS:

- Visit our website - www.barneypumps.com
- See Barney's Pumps "About Us" and "Who We Are" videos - www.barneypumps.com/about
- Barney's Pumps packaged systems - www.barneypumps.com/pumppackagingcapabilities
- Unitron Controls® - www.barneypumps.com/unitroncontrols