

## **Career Opportunities**

### **Site Service Engineer - *PROCONEX***

The Site Service Engineer will be responsible to provide technical support of the system after installation and startup. The candidate must have strong DCS or PLC system troubleshooting experience (both hardware and software) and a good working knowledge of computers with Microsoft Windows operating system. Experience with field devices (transmitters and valve) and third party interfaces is a plus. Position will include system installation and startup support, system migrations, service contract and maintenance support and emergency support. This individual must have strong communication, organizational, and mechanical skills.

- BS in Engineering preferred
- Will consider Associate or Trade School Degree combined with 8 or more years of relevant experience.
- 3-5 years experience in process automation and maintaining process control systems.
- Strong communication skills and ability to interface with customers required.
- Candidates should expect and be able to thrive in a work environment that requires flexibility and continuous change and that provides a multitude of opportunities for continued learning and growth in the process control systems business.
- This position will be located in the Royersford office, but will involve extensive work at our customers' sites.

### **System Engineer - *PROCONEX***

The System Engineer will be responsible for the design, development and implementation of process control and automation systems for continuous and batch processes. Experience in pharmaceutical batch projects is a plus. The candidate must have strong DCS or PLC system background, DeltaV experience is a plus. In addition to system engineering, this individual will provide system maintenance and service contract support.

- BS in Engineering required.
- 5+ years experience in process automation and maintaining process control systems
- Good device interface and systems integration skills are desirable.
- Strong communication skills and ability to interface with customers required.
- Candidates should expect and be able to thrive in a work environment that requires flexibility and continuous change and that provides a multitude of opportunities for continued learning and growth in the process control systems business.
- This position will be located in the York office and will mainly support customers in the York to Washington corridor.

### **Senior Systems Engineer - *PROCONEX***

Position encompasses all aspects of process control project work from engineering estimates to control strategy design and documentation to code implementation to integrated system test to plant site commissioning, all in a team organized, results-driven project environment. Must have good process knowledge and a thorough understanding of engineering documents, process control, networks, control systems and application engineering. Significant customer interaction and project team interaction will be required. DCS (preferably DeltaV) and/or PLC experience in batch and pharmaceuticals is a very strong plus.

- BS degree in Chemical, Electrical, or Computer Systems Engineering required.
- 6-10 years experience in process control systems design and implementation with heavy focus on software configuration/integration.
- A minimum of 3 years of demonstrated experience as a lead engineer is required.
- Good device interface and systems integration skills are desirable.
- Strong communication skills and ability to interface with customers required.
- Candidates should expect and be able to thrive in a work environment that requires flexibility and continuous change and that provides a multitude of opportunities for continued learning and growth in the process control systems business.
- This position will be located in the Royersford office, but may involve extensive work at our customers' sites.

### **MES / Integration Engineer - *PROCONEX***

Position encompasses all aspects of MES and systems integration project work from engineering estimates to operational and integration strategy design and documentation to code implementation and integrated system test to plant site commissioning, all in a team organized, results-driven project environment. Will work with an experienced team of consultants and software engineers to deliver Manufacturing Execution System (MES) and system integration solutions for customer driven projects using both configured package and custom developed software applications.

- Require a BS degree in Chemical, Electrical, or Computer Systems Engineering.
- 2-6 years experience in requirements analysis, design definition and implementation of software solutions above the manufacturing floor.
- Proven MES experience (Emerson/DMI Compliance Suite, Rockwell ProPack Data, Werum PAS-X, POMSnet) in biotech and pharmaceutical industry is a very strong plus.
- Must have good process and workflow knowledge and a thorough understanding of software development for, and integrating with, MES, ERP, data collection/historian (e.g. OSI-PI, AspenTech Infoplus.21/Batch.21) and report generation packages, using relational databases (e.g. OPC, SQL and ODBC) and web-based applications (e.g. VB, C++ and XML, HTML, XSLT, .NET, ).
- Strong communication skills and ability to interface with customers required.
- Candidates must be able to thrive in a work environment that requires flexibility and continuous change and that provides a multitude of opportunities for continued learning and growth in the MES and systems integration business.
- This position will be located in the Royersford office, but may involve extensive work at our customers' sites.

### **Applications Development Specialist (Systems Architect) – PROCONEX Sales**

Support the sale and training in Process Automation Solutions. This candidate must have the skills required to visualize a clients requirements with the ability to propose a solutions that may require thinking outside the box. This may require securing demonstration equipment and /or software to carry out a proof of concept by prototyping the proposed solution. Solutions could be hardware based and include components such as interfaces with third-party devices using serial and bus interfaces (e.g. Modbus, DH+, Foundation Fieldbus, AS-i, Profibus and DeviceNet) or software based and include integrating with third-party software such as MES, ERP, data collection/historian (e.g. OSI-PI) and report generation packages, using common protocols (e.g. OPC, SQL and ODBC) and custom programming (e.g. VB, C++, .NET and XML).

- BS in Engineering preferred but will consider an Associate or trade school degree with relevant experience
- Must be proactive/self-directing Sales demeanor
- Strong communication (written and oral)
- Presentation Skills
- Technical superiority
- Interpersonal Skills
- Organizational Skills
- The position will be located in the Royersford office, with occasional customer site visits

### **Field Service Engineer – PowrTech**

This position provides the maintenance and start up of boiler burner management and combustion control systems. Position requires the ability of being able to work well in an unsupervised environment and the understanding of the basic operation of a large boiler plant, packaged or field erected, including flows of water, steam, fuel, air and flue gas in the system as well as an understanding of fluid flow, including effects of pressure and temperature. Responsible for completing all required project paperwork such as service reports, expense reports, etc. and turning them in a timely manner.

- College Degree or Technical School training, with proportional on the job training
- 5 – 10 years experience with large boiler and burner controls including field transmitters, control valves, and flow metering equipment.
- Experience in commissioning BMS system, lighting off a burner for the first time. Single point, parallel positioning and metering combustion control systems required. Also, tuning burners for proper fuel air ratio and best combustion, working with combustion analyzers for the set up of burners.
- Must have experience with some major boiler controls manufacturers' configuration software for control platforms.
- Knowledge of NFPA 85 codes for burner management systems.
- Understanding of damper actuators and the associated linkage arrangements and of zirconium oxide insitu oxygen analyzers.
- Position requires a willingness to travel on a daily basis which at times may require staying out of town for a day or so.
- Capable of working with Windows 95/98/2000/NT, and have a working knowledge of Microsoft Excel, Word, and Access, and Ethernet.
- Working conditions vary as you would expect to find in a wide range of large fossil fired boiler plants.
- Physical demands in ability to lift up to 60 lbs and climbing ladders, stairways and catwalks found in a plant setting.

### **Sr. Validation Engineer – VALSPEC**

Provides technical leadership, supervision and implementation on validation projects. Leads or supports the execution of small projects or portions of larger projects. Develops or assists in the development of project execution strategy, project budget tracking and project standards. Generates quality assurance plans, verification plans, validation plans, and standard operating procedures as well as conducts risk assessments and participate in Quality/Regulatory audits. Develops and executes qualification protocols and final summary reports and may participate in commissioning.

- Bachelor of Science Degree in Engineering, Computer Systems, Regulatory Affairs or the Sciences (or equivalent) is required.
- 3-5 years of Computer System Validation (CSV) experience with Process control, SCADA and automation systems, MES and data integration systems.
- Working knowledge of GAMP 4 and experience with leveraged commissioning and qualification is required
- Experience with risk based and verification approaches, GAMP 5, ASTM 2500, and PAT are strong pluses.
- Thorough understanding of any subset of the following topics is required: regulatory requirements, system life cycle documentation, process control, laboratory systems, networks, and custom software applications.
- Ability to analyze customer requirements, and define and present solutions is required.
- Strong computer skills as well as oral and written communication skills.
- Positions open in Pennsylvania, California, North Carolina and Singapore
- Travel required.

### **Validation Engineer – VALSPEC**

Supports the execution of small projects or portions of larger projects. Supports the generation of quality assurance plans, verification plans, validation plans, and standard operating procedures as well as conduct risks assessments and participate in Quality/Regulatory audits. Develops and executes qualification protocols and final summary reports and may participate in commissioning.

- Bachelor of Science Degree in Engineering, Computer Systems, Regulatory Affairs or the Sciences (or equivalent) is required.
- 0-3 years of Computer System Validation (CSV) experience with Process control, SCADA and automation systems, MES and data integration systems.
- Experience with automation, commissioning, qualification or operations in a cGMP environment is preferred
- Understanding of any subset of the following topics is a plus: regulatory requirements, system life cycle documentation, process control, laboratory systems, networks, and custom software applications.
- Ability to analyze customer requirements, and define and present solutions is required.
- Strong computer skills as well as oral and written communication skills.
- Positions open in Pennsylvania, California, North Carolina and Singapore.
- Travel required.

