

SCADA SYSTEMS ENGINEER

Job Summary:

Under moderate supervision responsible for the design, configuring, startup, testing, and commissioning of SCADA (supervisory control and data acquisition) systems to control water and wastewater processes.

Essential Functions:

- Setup and configure SCADA hardware and software
- Perform factory functional testing of programmed control systems, including PLCs, HMI, and SCADA
- Develop engineered solutions and implements solutions to resolve customer issues
- Modify PLC and HMI applications in the field
- Writes own trip reports and provides daily work reports
- Train customers on how to operate Tesco products; perform in-house simulations
- Implement standard engineering practices
- Document and track progress of project and report any issues to department manager
- Troubleshoots control system control problems; implements software and hardware solutions to resolve problems
- Understand and assess client problems and determine appropriate means of solution
- Interface effectively with other staff on multi-disciplinary projects
- Perform all other duties as assigned

Education/ Experience:

- Associates degree in related field and at least 1 to 5 years of related experience or
- Bachelors degree in Computer Science or Computer Engineering
- Experience with Visual Basic and Microsoft SQL Server

Skills/ Knowledge:

- Strong knowledge of current computer technology and TCP/ IP configurations
- Strong knowledge of programming software packages such as Wonderware, Rockwell, Intellution, GE Cimplicity, Ci Tech, Iconics, Siemens, US Data, etc.
- Strong understanding of networking essentials and Microsoft Operating Systems

Skills/ Knowledge (continued):

- Basic knowledge of computer hardware and network components
- Excellent communication skills; written and verbal

Training Requirements:

- Tesco Controls, Inc basic safety training
- Valid California drivers license and a clean driving record required



Physical Demands:

- Regularly required to sit, stand, reach, and bend
- Daily travel in the field is required

Work Environment:

- Production and manufacturing shop environment
- Office environment
- Field environment; construction, water, and wastewater treatment plants. Safety equipment required; hard hats, boots, safety vests, and eye protective gear