

Job Title:	Systems Integrator / Engineer - SCADA	Status:	Full-time
Reports to:	Technical Lead or SCADA Services Manager	Classification:	Exempt/Salary
Location:	Dallas, TX	Closing Date:	January 15, 2018
# of positions:	1	Anticipated Travel:	25%

TIGA is an operational technology systems integrator based in The Woodlands, Lafayette, Dallas and Denver. We believe that systems integration is a fundamental component to leveraging new and well-established technologies against operational problems that exists within the Upstream, Midstream and Downstream Oil and Gas Sector. Our objective is to be a trusted service provider capable of integrating our clients Control Systems, Industrial Networks, SCADA Systems, Decision Support Systems and integrating the Real-Time and Custody Transfer Data into the Enterprise.

TIGA’s core service offerings are:

- Automation
- SCADA
- Data Infrastructure
- Enterprise Solutions

**Experience:**

- Candidate should be able to understand liquid management applications within crude oil pipeline SCADA systems, as well as batch tracking and crude oil terminals
- Experience implementing and executing CygNet SCADA systems for long haul gas transmission pipelines and crude oil pipelines.
- Candidate should be able to design, implement and test SCADA systems for:
  - Compressor Station
  - Meter Station
  - Stabilizer facility automation
  - Gas Transmission Pipelines
  - Crude Pipelines
- Candidate should be able to lead a team of up to 3 Engineers on a single scope of work.
- Candidate should be able to play a role in proposal response by providing hours estimates for projects.
- Experience with application of PLC and programming languages –
  - Allen Bradley Control Logix, SCADAPack, ABB Total Flow, Emerson ROC, Omni

- Experience with pipeline and upstream SCADA systems, equipment and facilities
- Experience with communication infrastructure
- Telvent SCADA, CygNet SCADA, Clear SCADA, Ignition SCADA, Wonderware system platform, GE IFIX system experience preferred
- Experience in the development of data models based upon IO lists and one-dimensional data
- Experience designing and implementing a Comprehensive User Interface, including Dialogs, Context menu, etc.
- BB scripting and software development best practices
- Experience working in PHMSA control room
- Experience in performing validation and testing for deployment of SCADA systems
- Understanding of line out processes and procedures
- Understands project management life cycle
- Able to communicate timelines, level of effort and deliverables in a clear concise way internally and externally

#### **Basic Skills/Qualifications:**

- **ENGINEERING MINDSET WITH A FOCUS ON SERVICE IS A MUST**
- Strong understanding of Gas and Liquid flow, Heat Transfer, and Hydraulics
- Strong understanding of control theory as applied to digital onshore automated systems
- Able to identify and analyze problems and identify solutions with little or no information from client
- Strong understanding of SCADA and PLC programming practices and standards
- Experience in instrumentation and control systems
- Experience in the specification of industrial controls and I/O hardware
- Familiarity with PLC and HMI applications from start to finish
- Experience in bulk or liquid material handling, natural gas, oil and gas, or power industries
- Experience with planning and executing Factory and Software Acceptance testing
- Experience with on-site commissioning, including hardware set-up and network set-up
- Experience with securing Critical Infrastructure in and around SCADA and Control Systems

#### **Minimum Requirements: Experience, Educational & Special Training**

- Minimum 3 years' experience in Oil and Gas industry performing as lead or having a senior role in deployment of SCADA systems. Must have experience with some or all of the following: CygNet SCADA, Ignition SCADA, Rockwell ME\SE, GE IFIX, Wonderware System Platform, Wonder ware Intouch, Clear SCADA, Telvent. Experience will be considered in lieu of degree/education requirements.

- Engineering Degree (Electrical, Mechanical, Industrial, Computer) or Computer Science Degree Strongly Preferred
- Must be a detail-oriented, results-driven individual with a commitment to quality, accuracy and the ability to organize and prioritize workloads to meet deadlines.
- Must possess strong interpersonal and excellent communication (written and oral) and interpersonal skills
- Strong problem solving, technical, and functional skills with the ability to multi-task and be willing to learn.
- Must be able to take direction, work well in a team environment, and interact with all levels of management, engineering, systems, operations and field personnel.

**Work conditions:**

- Position will primarily work in a typical office environment but is expected to travel to project sites occasionally. Subject to time pressures and constraints, and is also dependent on input from others.
- Subject to drug and alcohol testing, per applicable federal regulations.