



Job Title	Controls Engineer	Effective Date:	12/13/2010
Department:	Engineering	Revised Date:	01/08/2014 07/01/2016, 09/19/2017

JOB DESCRIPTION

Essential Functions: Provide process control system design and configuration to Trident’s customers either remotely or at the customer’s site.

Responsibilities:

- Designs, implements, and tests process control systems, strategies, and HMIs.
- Engineer, design, program, and test, electrical instrumentation and automation systems associated with process industries.
- PLC/HMI hardware/software design and programming.
- Provide on-sight commissioning and start-up services.
- Provide technical support to customers on the phone. Assist customers via remote access capabilities. Works with internal and external customers to solve problems.
- Provide reports and documentation summarizing work completed. Develops functional requirements, devising project plans.
- Communicates effectively with all customers, staff and ownership to facilitate job or project status and completion on time and on budget.
- Directing the preparations and maintenance of requisite reports in order to keep the Ownership abreast of significant issues affecting the development and delivery of programs and services.
- Maintains customer confidence. Solves problems working alone or in a team environment.
- Stays current with industry trends/hardware, software, and methods. This includes informing other team members on changes and problems as it affects products, services and customer expectations.
- Continued education/staying current with technology/co-develop new products to bring to market.
- Assists ownership with process improvement activities and initiatives.
- Work with other integrators/companies to deliver solutions/ integrate their products.

Job Location:	Corporate or regional offices	Company Industry:	Engineering Consulting
Job Role:	Field Service Engineer	Travel Required:	Minimum 50%
Employment Status:	Full-time	Employment Type:	Exempt, at will

Salary Range:	See Wage Ranges	Manages Others:	No
		Reports To:	Engineering Manager

Education and Qualifications:

- Bachelor's Degree in engineering with acceptable knowledge of computer programming and computer systems operation. Minimum of 2 years' experience in electrical and controls field. Knowledge of automation (PLC/DCS) and electrical system design, diagnosis, and operation. Must possess a valid driver's license and have an acceptable driving record. Must be a US citizen or able to work legally in United States without sponsorship.

Necessary Skills:

- Professional demeanor, self-motivated, energetic and enthusiastic with excellent communication and intrapersonal skills.
- In depth knowledge of process control systems such as Siemens APACS, Siemens PCS7, Foxboro, Delta V, Allen-Bradley PLC's and corresponding HMI's. Must be able to program and write code for PLC and/or DCS systems.
- Process controls proficiency in process design, loop configuration and tuning, and plant startups.
- Knowledge of PC operating systems, hardware, and networking.
- Self-starter with attention to detail and superior time management skills.
- Analytical Skills, Ability to Work under Pressure, Decision Making & Problem Solving Skills.
- MS Office Applications, SQL database knowledge.
- Knowledge of scripting (VBA, Cscript)

Physical Requirements

Please check all that apply to this position. When appropriate, enter the percent of time the position requires that activity and/or the amount (percentages do not have to total 100%).

<input checked="" type="checkbox"/> Standing	<u>20</u> % of the time	<input checked="" type="checkbox"/> Sitting	<u>80</u> % of the time
<input type="checkbox"/> Laying Down	<u>0</u> % of the time	<input checked="" type="checkbox"/> Crouching	<u>10</u> % of the time
<input checked="" type="checkbox"/> Crawling	<u>10</u> % of the time	<input checked="" type="checkbox"/> Twisting	<u>0</u> % of the time
<input checked="" type="checkbox"/> Kneeling	<u>0</u> % of the time	<input checked="" type="checkbox"/> Reaching	<u>5</u> % of the time
<input checked="" type="checkbox"/> Climbing	<u>5</u> % of the time	<input checked="" type="checkbox"/> Computer Use	<u>95</u> % of the time
<input checked="" type="checkbox"/> Pushing	<u>5</u> % of the time	Average weight	<u>25</u> Maximum weight <u>50</u>
<input checked="" type="checkbox"/> Lifting	<u>25</u> % of the time	Average weight	<u>25</u> Maximum weight <u>40</u>
Vision Required:	yes/no	Hearing Required:	yes/no
Speaking Required:	yes/no	Able to detect color:	yes/no
Manual dexterity:	yes/no	PPE required:	yes/no

PPE Hazard Assessment: [PPE Hazard Forms\PPE Hazard Assessment Form v1 102016_Engineering Team.docx](#)