

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

JOB DESCRIPTION

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

Responsibilities:

Design process control systems and strategies.

- Engineer, design and test electrical, instrumentation and automation systems associated with the process industries.
- PLC/HMI hardware/software design and programming. Must be able to write code.
- Provide on-sight commissioning and start-up services.
- Provide technical support to customers on the phone. Assist customers via remote access capabilities.
- Provide reports and documentation summarizing work completed.
- 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.
- Ability to manage larger scale customer projects independently or with minimal supervision.
- 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.

Job Location:	Corporate or regional offices	Company Industry:	Engineering Consulting
Job Role:	Field Service Technician	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:

- Associates' Degree in relevant engineering technology field or study with acceptable knowledge of computer programming and computer systems operation. Zero to 2 years' experience in electrical and controls field. Knowledge of automation (PLC/DCS) and electrical system design, diagnosis, and operation. Manufacturer certifications a plus. Must have an acceptable driving record. Must be US citizen or able to work legally in the United States without sponsorship.

Necessary Skills:

- Professional demeanor, self-motivated, energetic and enthusiastic with excellent communication and intrapersonal skills.
- Knowledge of PLCs, HMI and industrial controls and programming.
- Knowledge of PC operating systems, hardware, and networking.
- 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.

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>10</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
 Speaking Required: **yes**/no
 Manual dexterity: **yes**/no

Hearing Required: **yes**/no
 Able to detect color: **yes**/no
 PPE required: **yes**/no

yes, specify: safety boots, eye protection, fire retardant clothing, hearing protection when at customer site .

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