

JOB TITLE: CONTROLS ENGINEER II
EXEMPT: NO YES
REPORTS TO: Director of Engineering
PREPARED BY: Human Resources
APPROVED BY: Director of Engineering

JOB SUMMARY: The Controls Engineer II is responsible for design, development, planning and management of control systems on customized OEM machines (blenders, vacuum dryers, evaporators). This position requires significant problem solving skills with the ability to facilitate quick resolutions both effectively and confidently; in order to provide solutions that support production cycles and customer expectations.

ESSENTIAL FUNCTIONS:

- ▶ Manages the development and implementation process of products and services;
- ▶ Monitors the product planning from conception through delivery;
- ▶ Organizes cross-functional activities; ensuring completion of the project on schedule and within budget constraints;
- ▶ Creation of complete drawing sets required for customer site deployment;
- ▶ Provides customer support including testing, troubleshooting, and installation;
- ▶ Support sales staff in creation of technical proposals and pricing information for customers;
- ▶ Create panel layouts and electrical schematics; NEC Hazardous and Non-Hazardous location;
- ▶ PLC and HMI programming, troubleshooting and commissioning;
- ▶ Able to travel both domestically and internationally approximately 10-15% of the time

ESSENTIAL SKILLS:

- ▶ Siemens TIA Portal (S7-1200 and S7-1500 CPUs and WINCC Basic and/or Comfort Panels);
- ▶ Allen Bradley RSLogix 5000 (Compact and Control Logix CPUs);
- ▶ Allen Bradley Factory Talk View ME (Panel view Plus 7 or similar);
- ▶ Allen Bradley RSLinx Classic;
- ▶ AutoCAD Electrical 2017;
- ▶ Specification of automation hardware, including PLCs, disconnects, relays, signal conditioners, etc;
- ▶ Performing of tests and troubleshooting of hardware problems consisting of analog/discrete signals, communications, drives, and PLCs;
- ▶ Able to design and specify NEC Hazardous Location Control panels that adhere to Class I, Class II, and Class III guidelines;
- ▶ Able to design and interpret pneumatic panel assemblies.

ADDITIONAL RESPONSIBILITIES:

- ▶ Performs other duties as assigned or requested.

SUPERVISORY RESPONSIBILITIES:

- ▶ None.

PHYSICAL DEMANDS AND WORK ENVIRONMENT:

The physical demands described represent those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee will regularly sit for long periods; stand, speak, and hear in person and by telephone; use hands to operate, finger, handle and feel office equipment and documentation; and reach with hands and arms. Hands and fingers frequently perform repetitive motion. Occasionally the employee will use arms and hands to balance. The employee is occasionally required to walk, climb, stoop or bend and lift up to 25 pounds.

EDUCATION AND EXPERIENCE:

- ▶ Bachelor's degree in Mechanical or Electrical Engineering required;
- ▶ Preferred Experience with 21 CFR Part 11 Compliance;
- ▶ Preferred Knowledge of databases, data acquisition, and historian systems;
- ▶ Preferred IT skills involved in deploying advanced networking features related to automation equipment;
- ▶ Advanced programming skills.

KNOWLEDGE, SKILLS AND ABILITIES:

- ▶ Maintain a customer-focused perspective in all activities initiated to ensure that customer needs are successfully met;
 - ▶ Develop professional and process expertise to provide improved assistance to internal and external customers;
 - ▶ Strong technical aptitude and understanding of process equipment and machinery;
 - ▶ Ability to multitask while maintaining a sense of urgency;
 - ▶ Has knowledge of commonly-used concepts, practices, and procedures within the field;
 - ▶ Exceptional written and verbal communication skills;
 - ▶ High proficiency with Microsoft Office Suite;
 - ▶ Strong initiative with the ability to work with minimal supervision, Results driven;
 - ▶ Problem solving skills and dedication to Continuous Improvement;
 - ▶ Adhere to Hebelers vision and values at all times;
 - ▶ Able to work as part of a multi-disciplinary team.
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The above job description is not a contractual or binding document; it is provided as a guide to the types of duties required to be undertaken. Duties may vary from time to time and this description is subject to review. Modifications will be made as needed to support changes in the business climate and requirements.