



CONTROLS SYSTEM ENGINEER III

Status: Full Time, Employee
Location: Miramar, Florida - USA
Work Status: Will *not* consider sponsorship for work authorization
Job Number: 2010-413

Summary:

This person is responsible for the design, management, and successful validation of automation projects for process and production equipment, and support of the installed production equipment within the Engineering Department.

Essential Job Functions: *This is not intended as a comprehensive list; it is intended to provide a representative summary to the major duties and responsibilities. Incumbent(s) may not be required to perform all duties listed, and may required to perform additional, position-specific tasks.*

- Use academic training and experience to manage multiple projects and wide-ranging department demands to provide Engineering functions within the organization.
- Work with resources within the department to cost effectively and efficiently manage and execute all phases of automation projects: conceptualize, develop, design, procure, install, assemble, program, test, and validate. Work with outside contractors when required during peak project demand.
- Have excellent communication skills to interface with personnel at all levels in other departments to support production and developmental activities.
- Have competent technical writing skills to prepare required written project definition and documentation for automation projects within a GMP regulated environment including User Specification and Functional Specification
- Have a broad knowledge of Electrical, Equipment and Process Safety, and Building Codes to ensure proper compliance in department projects and upgrade work.
- Combine intimate knowledge of installed production and development environment, technical knowledge, and business and technical objectives to make informed decisions on utilization of department resources and determination of project priorities.
- Support production equipment along with department personnel on a rotating, **on-call** basis
- Work with a strong commitment to compliance to GMP and Change Control requirements required by the Pharmaceutical industry.
- Provide budgeting and planning for upper management, and concurrent project planning support for others in the department.
- Help ensure timely support of all production equipment and major business initiatives.

Supervisory Responsibilities:

This person may have direct reports. The individual will work with management to accomplish Engineering projects and objectives.

Required Knowledge and Skills:

Knowledge of:

- Current Good Manufacturing Practices (cGMPs), Food and Drug Administration (FDA), Pharmaceutical Manufacturing SOPs and other regulatory requirements.
- Business English usage, spelling, grammar and punctuation.
- Basic mathematical and statistical computation methods and practices.

Skill in:

- Ability to communicate effectively with Production personnel and management regarding project requirements and operating procedures.
- Ability to apply algebra to determine proper scaling for analog circuits, and engineering design and calibration.
- Ability to convert between base numbers (binary to hex, ect.) as required for PLC programming.
- Good management skills are required to address and prioritize the wide variety of requests and demands of the Engineering Department.
- Good analytical skills are required to develop sound engineering solutions to scale-up, manufacturing, and process challenges which consider productivity, robustness, safety, cost effectiveness, and reliability. This requires an understanding of basic control elements (electronic, mechanical, pneumatic, ect.), system design, and interaction between each of these and the process and human aspects. The individual should be capable of separating reliability issues from equipment, process, and operating deficiencies, and provide recommendations for improvements in each area when warranted.

Physical Requirements and Working Conditions:

The employee should be able to work extended hours when required to accomplish business objectives. While performing the duties of this job, the employee is often required to stand and use hands to finger, handle, or feel. The employee is occasionally required to walk; sit; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; talk or hear; and taste or smell. Specific vision abilities required by this job include close vision and extended time at a computer.

While performing the duties of this job, the employee is occasionally exposed to wet and/or humid conditions; moving mechanical parts; high, precarious places; fumes or airborne particles; toxic or caustic chemicals; outside weather conditions; extreme heat; risk of electrical shock; and vibration. The noise level in the work environment is usually moderate.

Minimum Qualifications:

Bachelors Degree (B.S.) in Electrical Engineering or equivalent from four-year college or university along with 12 years experience or more in a similar capacity in an industrial or design environment, or minimum of 18 years related experience and training; or equivalent combination of education and experience.

Additional Information:

Non-working hours on-call are approximately 100 hours/monthly. Support hours actually worked during off-hours may vary from none to 32 hours average/month.

For consideration, submit resume to: careers@avevadds.com.

No phone calls please.

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