

PROJECT ENGINEER – SYSTEMS INTEGRATION

Classification: Exempt

Department: Engineering

Reports to: Engineering Manager

Date:

Position Overview:

The Systems Integration Engineer designs integrated piping systems and equipment diagrams for the development and implementation of assigned projects in the sanitary process industry.

Essential Functions:

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

1. Performs piping design pathways, and oversee projects as assigned leading to plant improvements in manufacturing processes and upgrades.
2. Knowledge of CIP (clean in place) systems.
3. Knowledge of process instrumentation, and controls as well as perform design calculations.
4. Familiar with applicable codes used in the food, dairy, beverage, pharmaceutical, and health care industries.
5. Occasionally consult with customers, engineers, builders and/or subcontractors to discuss plan details and compliance with various issues.
6. Spec out valves, equipment and pumps once piping (P&ID) diagram is in place.
7. Design the equipment and piping layout drawings, isometric drawings, blue prints and/or 3D modeling according to specifications.
8. Operate AutoCAD system producing clear and technically accurate drawings based on design specifications.
9. Provide technical support to other employees regarding mechanical (or piping) design, fabrication, testing, or documentation.
10. Document project quotes estimating the costs, materials, production times, and/or staffing requirements for new designs.
11. Oversee multiple projects simultaneously.
12. Strives to stay current on existing and emerging products.

Competencies:

1. Customer/Client focus
2. Decision Making
3. Presentation Skills
4. Project Management
5. Problem Solving/Analysis
6. Results Driven
7. Technical Capacity
8. Communication Proficiency
9. Thoroughness
10. Collaboration
11. Learning Orientation

Qualifications and Skills**Education and Experience:**

Any combination of education and experience providing the required skill and knowledge for successful performance would be qualifying. Typical qualifications would be equivalent to: possession of Associates degree from an accredited college or university with major course work in mechanical or chemical engineering or any other related field; and/or 5 to 7 years related industry experience.

Preferred Education and Experience:

A Bachelors degree or higher from and accredited college or university with major course work in mechanical or chemical engineering or any other related field; and/or 5 to 7 years related sanitary processes industry.

Skills:

Individual must be able to communicate clearly and effectively both orally and in writing. Be able to collect, analyze, and interpret data from a wide variety of sources and take appropriate actions. Demonstrate the ability to carry on a business conversation with business owner and decision makers. Also must have a working knowledge of the Microsoft office suite including (Word, Excel, and PPT).

Supervision Responsibility:

This position has no supervisory responsibilities.

Working Conditions:

This position operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets, and fax.

Physical Demands/Conditions/Requirements:

This position operates in a professional office environment as well as sometimes in a manufacturing plant and out of doors with adjustable climate activity. When on a job site probable exposure to elements such as odor, noise, dust, heat, cold or chemicals. This role regularly uses office equipment such as computers, phones, photocopiers, plotter, filing cabinets, and fax.

Expected Hours of Work:

Days and hours of work are Monday through Friday, 8:00 am to 5:00 pm. Occasional evening and weekend work may be required as job duties demand.

Travel:

Travel is not expected for this position.

Work Authorization:

Employee must be authorized to work in the United States.

Other Duties:

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

*This job in no way implies that the duties listed here are the only ones the employee can be required to perform. The employee is expected to perform other tasks, duties, and training as requested by their supervisor.

** To comply with regulations by the American with Disabilities Act (ADA), the principal duties in job descriptions must be essential to the job. To identify essential functions, focus on the purpose and the result of the duties rather than the manner in which they are performed. The following definition applies: a job function is essential if removal of that function would fundamentally change the job.

Signatures

This job description has been approved by all levels of management:

Manager _____

HR _____

Employee signature below constitutes employee's understanding of the requirements, essential functions and duties of the position.

07/18/2018

Employee_____ Date_____