Position: Engineering Technologist
Reports To: Project Manager
Status: Exempt - Salaried

Position Summary

The Engineering Technologist assists the Project Manager with all activities related to management, engineering, process, construction, control and operational functions. The position is responsible for the practical application and implementation of designs ranging from major capital expenditures to individual process initiatives. They will apply mechanical and electrical engineering principles and technological skills to contribute to the success and advancements in a corn dry milling operation.

Responsibilities

- Adhere to safe work practices, GMP’s, and all company policies and procedures
- Comfortable performing both mechanical and electrical aspects of a project work
- Provide engineering and technical support to the Project Manager/Engineer
- Assist in the planning, implementation and evaluation of projects
- Conduct testing, fact gathering and documenting to assist with project feasibility
- Create and interpret engineering sketches, specifications and drawings
- Assist with the preparation of Request for Information/Quote (RFI, RFQ) project documents
- Assist in equipment and component procurement and receipt
- Create mechanical drawings for process flow and equipment layout
- Create electrical schematics for power distribution, control and automation systems
- Assist with the development of automation logic, PLC programming and HMI development
- Maintain records and files for all in-process and completed engineering work
- Assist with outside engineering/contracting firms to facilitate and implement project activities
- Oversee and schedule mechanical and electrical installation activities
- Assist Production and Maintenance with both pre/post-production startup requirements; training needs, spare parts list, equipment PM requirements, user manuals, I/O definition, asset creation, special instructions
- Work to ensure required food, safety and construction compliance standards are met

Required Knowledge, Skills and Abilities

- Exhibits strong analytical skills
- Excellent problem-solving, decision-making and critical thinking skills
- Ability to work well on a team and interact with multi-disciplinary departments
- Demonstrate and balance both abstract and concrete thinking skills
- Mechanical and Electrical drafting
- Experience with batch and continuous flow processes
- Able to read and interpret electrical schematics, mechanical drawings, and P&ID’s
- Able to translate design to fabrication
- Able to formulate and apply logic to control and automation applications
- Proficient in Microsoft Office programs; Excel, Word, Outlook, PowerPoint
• Excellent computer and network skills
• Capable of conducting work activities with little or no supervision
• Demonstrated intellectual curiosity and takes initiatives
• Goal oriented and models continuous improvement philosophy
• Good interpersonal skills
• Communicates clearly and effectively
• Strong work ethic

Education and Experience

• Bachelor’s Degree in Agricultural Engineering, Mechanical Engineering Technology, Electrical Engineering Technology or Mechatronics Engineering Technology
• Bachelor’s + 0-3 years’ experience in a related field
• Associate’s + 3-5 years’ experience in a related field

Preferred Background and Knowledge

• Previous work experience as an intern or full-time employees
• Background in Agriculture
• Experience in the Milling or Food Processing industry a plus
• Drafting experience (AutoCad)
• Familiarity with Electrical Switchgear, MCCs
• Familiarity with motor control circuits, VFD’s, Soft Starts
• Familiarity digital and analog instrumentation
• Familiarity control panel layout and design
• Familiarity with electronics, sensor and instrumentation
• PLC programming (GE or ControlLogix) and control networks (ProfiNet, Ethernet/IP) experience
• HMI development experience (Rockwell FactoryTalk SE or Cimplicity)
• Proficient with Excel (advanced level)

Work Conditions

• Safety – expected to adhere and practice safety
• Normal work week consists of Monday – Friday with a 7-8 AM start and a 4-5 PM departure.
• Work in plant, maintenance and office environments
• Requires moderate to strenuous physical activity
• Some project may require after hour, weekend or holiday activity
• May require some Be on call 24 hours/day.
• While performing the duties of this job, the employee is required to frequently inspect the project and may be exposed to varying construction environments, dusty mill conditions and subject to outside weather conditions. Typical noise level in the work environment may range from moderate to loud and hearing protection is required
• Responsible for understanding and adhering to all GMP, food quality and food safety programs

This is a general job description which is not all inclusive. Working conditions, duties, and responsibilities are subject to changing requirements at any time. Management reserves the right to alter this position when conditions merit.