

Job Title:	Process Engineer I	Reports to:	Process Engineering Manager
Department:	Engineering	Supervises:	n/a
Location:	New London, MN	Exempt/Non-Exempt:	Exempt
% Travel Required:	Up to 40%	Full-time/Part-time:	Full-time

Job Description

Position Overview: Process Engineer I assists with all engineering efforts (process, structural, commissioning, etc.) for projects they are involved in. Process Engineer I is responsible for supporting the project manager, other process and controls engineers, mechanical designers, CAD team, along with fabrication and installation to advance their projects through the design and commissioning phases.

Key Responsibilities:

- Shadow senior engineers during facility visits to study, troubleshoot, and provide recommendations for evaporator and spray dryer systems
- Gain basic knowledge of the system Mass Balance calculations and provide feedback
- Interpret and draw Piping and Instrumentation Diagrams (P&IDs)
- Study 3A/USDA food process equipment acceptable practices
- Assist in the modeling of the major equipment
- Understand the design and specifications for the deflagration protection and water deluge systems
- Support the Hole & Load drawing development and creation of the utility matrix
- Learn and assist with specifying fans, pumps, valves, heat exchangers, and burners
- Assist with instrumentation specifications and bill of materials
- Learn how to develop the Process Description for controlling the system
- Learn and assist with troubleshooting and training operators during system commissioning
- Support other engineers with work as needed
- Assist with research and development efforts including operating Dahmes R&D Spray Dryers

Understand and support Dahmes' Core Values and Core Purpose:

- **Authentic:** We know who we are and we own it. We build and sustain our company and relationships by being honest.
- **Pioneering:** We take risks to create forward looking solutions. We thrive on tackling new challenges and achieving the best possible outcomes.
- **Committed:** We shake hands and keep our word. We deliver on our promises and don't take short-cuts along the way.

Requirements:

- Bachelor of Science in Mechanical, Chemical, or related Engineering Program
- Microsoft Excel skills
- Basic 2D CAD (AutoCAD) skills
- Basic 3D (SolidWorks) skills
- Knowledge of thermodynamics, fluid dynamics, and basic mechanical and structural concepts
- Eligible to work in the USA and travel Internationally

Preferred Competency/Experience/Education:

- Understanding of food equipment and sanitation practices
- Strong organizational and interpersonal skills
- Detail oriented, self-motivated, and hard working
- Ability to organize and tackle a large, complex tasks
- Willing to continuously learn and improve

Travel Required:

- Up to 40% Travel is required