

Process Engineering Services

Siebert provides process engineering services ranging from a minor retrofit to an existing process to the development of a new manufacturing facility. SEI works with the client to ensure that the process is scoped to serve the client's initial and future needs.

Process Development

- Block Flow Diagrams
- Process Flow Diagrams
- Piping and Instrumentation Diagrams
- Batch Timing and Throughput Analysis
- Raw Material Delivery Requirements
- Mass Balance
- Process Simulation

Process System Design

- Equipment Specification
- Equipment Selection and Sizing
- Equipment Arrangement in New or Existing Facility
- Determination of Utility Requirements
- Design of Subsystems to Support the Process
- Integration of Material Handling Equipment
- Process Instrumentation Selection
- Preparation of Sequence of Operation for Control Systems
- CIP Systems

Process Piping and Pumping System Design

- Hydraulic Calculations for Raw Materials, Utilities, and In-Process Liquid Streams
- Pump Selection for Viscous and Non-Viscous Liquids
- Pipe Routing Plans and Isometrics
- Specification of Specialty Fittings and Devices in Piping Systems

Procurement Assistance

- Identification of Vendors and Sources for New and Used Equipment
- Preparation of Bid Packages
- Evaluation and Analysis of Bids

Industries Served

- Food, Dairy, and Candy Manufacturing
- Chemical and Personal Products

Project Types

- New Facilities
- Relocation to a New Site
- Existing System Modifications or Expansion
- Sanitary Design for Food, Dairy, and Candy

