

# Mechanical Engineer – Industrial Clients

## Education/Registration

- BS in Mechanical Engineering or Mechanical Engineering Technology
- Professional Registration or on path to be registered is desirable but not required

## Experience

- 5 to 10 Years of Experience, with a minimum of 2 Years in Consulting Engineering
- Engineering Experience in Industrial Markets is required, Commercial Experience is desirable

## Salary

- Negotiable and commensurate with applicable experience

## Responsibilities

The applicant should be a self-starter who has the ability to assist a client in identifying or further defining a problem with a process or piece of equipment and conceptualize multiple solutions to then be presented to the client. The successful applicant should be able to put into practice the desired solution through a concisely engineered project package.

The ability to work within a project team as well as direct the work of others is necessary. Ability to interface and convey information with other 3iD departments such as, architectural, structural, and electrical departments is necessary.

Successful applicant must be able to demonstrate experience and/or skills in the following areas:

- Engineering experience in industrial markets; experience in commercial markets is desirable
- Consulting engineering experience
- Working knowledge of utility piping, process piping, various mechanical systems, and pumping systems
- Instrumentation and HVAC experience is desirable but not required
- Ability to develop equipment layouts for various types of systems
- Capability to take an active role in conducting on-site surveys to establish and document accurate field conditions for project development
- Skills necessary to attend and conduct client meetings and to confirm client requirements and expectations with follow-up meeting notes
- Work with clients to develop detailed scope of projects and engineering fee proposals
- Direct drafting personnel to develop project documents including construction drawings
- Assist clients in developing a process and/or equipment specifications and vendor bid packages for that process or equipment
- Develop construction documents, specifications, scopes of work, schedules, etc., for contractor bid packages
- Review equipment submittals
- Monitor construction activities to assure compliance with construction documents
- Proficient in AutoCAD is desirable but not required.
- Experience in Inventor is desired but not required
- Proficient in Microsoft Office Programs such as Word and Excel
- General knowledge of Microsoft Project (scheduling) is desirable