

## **Senior Mechanical Designer**

### **Overview**

Civil & Environmental Consultants, Inc. (CEC), a growing multi-disciplined, employee owned, Pittsburgh-based consulting firm, is expanding its Manufacturing Infrastructure Services (MIS) serving the industrial and manufacturing markets. As a Senior Mechanical Designer you will design state-of-the-art manufacturing, oil & gas, water treatment and power facilities. We are seeking a self-motivated individual with strong communication skills and a passion to apply professional experience and knowledge in a team environment on technically challenging and professionally rewarding projects. You will be part of a team working on projects that make our clients successful today, while helping them develop and capitalize on emerging technologies. You should be a detail-oriented professional who understands the importance of meeting commitments while remaining flexible in a fast-paced environment with 10 + years of related experience and a high school, trade school, associate degree or equivalent experience. Additionally, candidates must be proficient in the use of computerized design tools, specifically Plant 3D, Navisworks, and AutoCAD

### **Responsibilities:**

- Coordinate with mechanical engineer to develop general arrangements, P&IDs, interconnecting piping, HVAC system, plumbing, and fire protection system drawings
- Evaluate and resolve problems by reviewing multiple sources of information and coordinating design criteria with other disciplines
- Develop mechanical material take-offs
- Provide quality oversight for mechanical designs performed by others
- Be the main point of contact for the mechanical discipline when meeting with the project manager, other discipline leads, and the customer
- Train and mentor less experienced designers
- Generate mechanical hour estimates to complete ongoing work and for new proposals

### **Qualifications**

- Technical associate degree or high school diploma in addition to 10 + years of experience in mechanical design with applicable experience on heavy industrial and manufacturing type projects
- Proficient in the use of REVIT, Navisworks, and AutoCAD
- Demonstrated understanding and knowledge designing mechanical, HVAC, and piping systems
- Proficient in using Microsoft Suite including MS Word, Outlook, Excel and PowerPoint
- Possess excellent written and verbal communication skills
- Ability to perform field/site visits
- Ability to travel (estimated travel time is 10%)

**Preferred Qualifications:**

- Possess an understanding of mechanical engineering codes and standards
- Experience with Mechanical design software
- Experience in leading a team of designers

Interested and qualified candidates please send resume to [jbrooks@cecinc.com](mailto:jbrooks@cecinc.com)