



Mechanical Designer Job Description

OUR MISSION: *Absolute / exceptional customer satisfaction is why we exist. We promote global sustainability by maximizing water recovery and minimizing chemical consumption / footprint. We are proud of our reputation as process water specialists in the industries we serve, and we support our technology long after installation by providing ongoing parts and service support.*

Position Summary

We are seeking a Mechanical Designer to join our technical engineering and design team. The Mechanical Designer is responsible for generating complete and accurate drawings as well as other design documents required for the various water and wastewater products manufactured by the company.

Under supervision of the Engineering Manager, the successful candidate will use Process and Instrumentation Drawings (P&ID) to generate detailed equipment fabrication, assembly and general arrangement drawings. These drawings will be used to provide complete information for all Kontek departments, customers and vendors

Benefits

- Health & dental insurance plans for you & your family
- Paramedical healthcare spending account
- Life & LTD insurance
- RRSP program with company match to 3%
- Competitive paid vacation package
- Education & tuition reimbursement program
- Discounted executive gym membership

Kontek welcomes and encourages applications from people with disabilities. Accommodations are available on request for candidates taking part in all aspects of the selection process.

Key Responsibilities

- Under the supervision of the Engineering Manager and in close coordination with Project Manager and/or Process Engineer provide drawings for sales quotes and production requirements.
- Submit accurate and punctual drawings and documentation for peer review and approval by Kontek management and clients.
- Identify opportunities for improvements and make recommendations to the engineering team and management.
- Process and follow-up in a timely manner all documentation required by the company, including engineering change orders, non-conformance reports, etc.
- Assist other team members in meeting overall departmental and company objectives.

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- Detail general assembly drawings including site equipment layout and individual skid drawings. Components may include various tanks including atmospheric and pressure vessels, pumps and pump skids, piping systems and routing of piping, electrical conduit & cable trays, etc.
- Develop fabrication drawings in accordance with applicable standards.
- Work collaboratively with production team to ensure designs meet manufacturing capabilities and best practices, ensuring ease of assembly.
- Interface with purchasing and production in developing Bills of Material (BOM) for project activity.
- Read and interpret blueprints, technical drawings, schematics, and computer-generated reports.

Work Environment

Work is performed in office and manufacturing environments, with occasional visits to customers' jobsites. Must be able to travel to customer jobsites both domestically and internationally. All employees are required to follow safety standards and wear all personal protective equipment in designated areas.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential function of this job. While performing the duties of this position, the employee will regularly be required to walk, stand, speak, use hands and fingers.

Knowledge, Skills, Ability, Education, Experience:

- High degree of proficiency in 2D and 3D modeling using AutoCAD and SolidWorks
- Self-motivated and highly organized with good time management skills
- Ability to work in an often fast paced, dynamic and demanding environment
- Must have exceptional problem-solving skills
- Requires strong English verbal and written communication skills
- Mechanical aptitude and knowledge