



JOB TITLE: Mechanical Project Engineer (Process Equipment)

EMPLOYER: Tempest Inc.

DEPARTMENT: Engineering

REPORTS TO: Director of Engineering

EFFECTIVE DATE: TBD

SUMMARY: Technically responsible for engineering projects to which assigned. Assumes responsibility for project timeliness and budget. Supports the Director of Engineering with departmental duties, goals, and growth (sales) initiatives.

DUTIES AND RESPONSIBILITIES:

- Assumes responsibility for the technical and financial success of assigned projects
- Reviews customer specifications against sales quotations and applicable codes to ensure mutual agreement of scope of supply and code compliance
- Reviews necessary resources required of the project scope
- Performs CAD (2D and 3D) in Autodesk Inventor (or equivalent) to support project engineering duties
- Generates/finalizes project PID schematics, bills of materials, and performs electrical schematic and panel design
- Uses the company MRP systems (Quickbooks, Shoptech E2, etc.) for materials procurement
- Addresses material and product non-conformances as necessary
- Assists in the generation of PLC functional requirement specifications and design of HMI screens to meet project specifications
- Reviews project submittal and manufacturing drawings prior to release
- Generates, reviews, and audits technical documentation for each project
- Generates project inspection test plans and quality document needs outlining quality control requirements (Tempest QMS ISO:9001)
- Writes project test procedures, component parameter sheets, and generates technical documents required for the operation of equipment
- Performs product functional testing and performance validation
- Assists in the completion of project document turn over packages
- Performs any other tasks as assigned by the Director of Engineering
- Provides technical support to Tempest Sales Engineering Department

SUPERVISORY RESPONSIBILITIES:

- Delegates project tasks to engineering team members with the support of the Director of Engineering

QUALIFICATIONS:

- Bachelor's Degree (BA) from four-year college or university, and 5 years of related experience designing process equipment (preferred)
- Computer skills required: (AutoDesk AutoCAD and/or Inventor; Microsoft Office)
- Computer skills preferred: (MRP Systems Quickbooks and/or Shoptech E2)
- Other skills required: basic knowledge of heat transfer and fluid flow, electrical troubleshooting, digital and analog instrument protocol, safe work practice in industrial environments
- Exhibits professional assertiveness through maintaining a high sense of integrity in all dealings; Exemplifies a respectful, open and honest approach to the job function, and maintains accountability through personal responsibility for oneself

The above is intended to describe the general content of and requirements for the performance of this job. It is not to be construed as an exhaustive statement of duties, responsibilities or physical requirements. Nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this job at any time. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.