

Engineering Manager

Job Summary: The primary responsibility of the Engineering Manager is managing the Engineering Department in support of Manufacturing, Sales, Quality, Design, Research and Development along with Procurement. Responsible for leading and supervising a team of engineers, designers and technicians as they develop, test, modify, and create solutions to technical problems as presented. Ensure a thorough review of drawings, BOM's, materials of construction, manufacturing equipment and methods, coating and welding options to drive continuous improvement through the organization. The Engineering Manager will be responsible for interviewing, hiring, training, and disciplining department employees, as well as coaching and mentoring. The Engineering Manager evaluates employees for their efficiency and productivity.

Essential Responsibilities:

- Serve as the engineering leader and technical expert
- Supervise and lead engineers and technicians
- Answer questions and resolve issues brought forth by the engineering team members
- Create detailed engineering plans, processes, and procedures for engineering staff to use and abide by
- Propose and oversee budgets and timelines for engineering projects
- Conduct various tests and quality assurance checks to verify the quality of completed projects
- Monitor and determine various staffing and training needs
- Spearhead various research and development initiatives to identify opportunities for new products and improved processes
- Communicate and collaborate with other managers, suppliers, and contractors
- Prepare and deliver various engineering-related presentations, both internally and externally
- Oversee the research and development of new products and procedures
- Hire, train, and mentor other engineers and supporting staff
- Discuss and layout project specifications
- Maintain project timelines to ensure tasks are accomplished on time
- Delegate responsibilities to employees to perform while enforcing all policies, procedures, standards, specifications, guidelines, training programs, and cultural values
- Uphold standards of excellence and quality
- Support sales efforts by performing material application and specification research to calculate, verify, and determine feasibility and viability of customer requests and specifications
- Compiles and writes training material and conducts training session on engineering activities
- Other duties as assigned

Skills and Qualifications:

- Master's Degree in Engineering Management or Business Administration preferred
- 6 plus years of engineering experience, ideally in a management role
- Thorough knowledge of "Compress" software
- Extensive experience designing and building ASME pressure vessels
- Mechanical Engineering Degree
- Effective communication skills
- Leadership skills
- Delegation skills crucial to maintain proper staffing to perform applicable duties

- Exhibits a strong ability to handle multiple demands with a sense of urgency, drive and energy
- Must be self-directed and have excellent initiative and organizational skills
- Works well meeting multiple deadlines with the ability to deliver on time
- Ability to work in a team-orientated environment that is fast paced and demanding
- Working knowledge of ISO 9001 quality program
- Working understanding of ISO, ASME, ASTM, API, PED, AWS, and Pressure Vessel compliance regulations, codes, standards as well as other international codes/standards
- Ability to accurately read, review and interpret manufacturing and designs, drawing, schematics
- Working knowledge of Inventor or other 3-D design/drafting and manufacturing software
- Working knowledge of geometric dimensioning and tolerance
- Proficient in MS Office Suite especially MS Excel, and experience with ERP/MRP systems
- Excellent written and verbal communication skills
- Excellent math, algebra, geometry skills/experience and manufacturing calculations
- Be able to uphold Mueller Environmental Designs Core Values

Physical Requirements and other items to communicate:

The ability to lift 50 pounds. Work in a fast-paced shop and general office environments. Many tasks have high degrees of time sensitivity. Domestic and international travel requiring mobility (on ground and heights) and the use of personal protective equipment (PPE).

Employee Signature	Date
Supervisor Signature	Date
Human Resources Signature	Date