



Project Engineer

UMECC is an international metallurgical equipment supplier with Headquarters in West Chester, OH. Since 1997 we have been serving the needs of the steel industry through individually purchased or comprehensive packaged parts including all engineering services. We are redefining our next chapter, and we are excited to grow – and excited to build a team to drive that growth. With a commitment to innovation and excellence, we aim to lead the market in: Quality products, short delivery time, and overall total cost of ownership. As we continue to scale and evolve, we're looking for a forward-thinking and strategic leader to join our team a Project Engineer.

Job Title: Project Engineer

HQ Location: West Chester, OH

Job Type: Full-Time

Travel: 40%

Position Summary:

Our product portfolio includes equipment for all process steps of the iron, and steel manufacturing process: from Coke and Iron ore processing equipment, to blast furnace and melt shop equipment, down into rolling equipment [<https://umecc.com/products>]. We are seeking a dynamic Project Engineer to partner with sales and drive revenue growth by identifying and assisting in the close of new business opportunities.

The Project Engineer will play a critical role in managing the design, manufacturing, and delivery of complex equipment assemblies for the steel industry. This position requires strong technical expertise, project management skills, and the ability to collaborate with cross-functional teams including design, production, procurement, quality, and installation teams.

The ideal candidate will have a solid background in mechanical and electrical systems, as well as experience in delivering capital equipment or industrial machinery to heavy industries such as steel manufacturing, foundries, or metal processing plants.

Key Responsibilities:

1. Project Management

- Lead and manage the technical execution of equipment supply projects from RFQ/Quote, contract award to final delivery and commissioning.

- Communicate with both customers and vendors for design requirements, design modification, drawing clarification, drawing approval, specification interpretation, technical questions and any other technical related topics.
- Coordinate internal resources and third-party vendors to ensure all project objectives in terms of both engineering and technical aspects are met.
- Monitor project progress in terms of engineering delivery, documentation delivery and on-time question answering, identify risks and delays, and implement corrective actions.
- Ensure all project deliverables are completed on time, within scope, and within budget.

2. Technical Specifications and Design

- Develop and maintain comprehensive **technical specifications** for equipment supply for both RFQ/Quotation and order awarding.
- Collaborate with the engineering team to define mechanical, electrical, and automation requirements.
- Ensure that designs comply with industry standards (e.g., ISO, ANSI, ASTM) and customer requirements.
- Review and approve technical drawings, models, and specifications.
- Ensure the scope of supply is clearly defined using the **boundary delimitation method** to avoid scope creep and misalignment.

3. Supplier and Vendor Management

- Prepare detailed **Request for Quotations (RFQs)** and technical packages for vendors.
- Evaluate vendor proposals and ensure technical compliance with project specifications.
- Conduct supplier audits and performance reviews to maintain quality standards.

4. Quality Assurance and Testing

- Define and implement quality control standards for supplied equipment.
- Ensure all equipment is tested and validated according to the approved specification.
- Oversee Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT).
- Resolve non-conformances and work with suppliers to implement corrective actions.

5. Installation, Commissioning, and After-Sales Support

- Develop detailed installation and commissioning plans and manuals.
- Provide technical support to the field installation and commissioning teams.
- Troubleshoot and resolve technical issues during site installation and commissioning.
- Act as the primary point of contact for technical support and customer inquiries post-installation.

6. Documentation and Reporting

- Prepare and maintain all technical documentation, including:
 - Technical specifications

- Engineering drawings
- Test reports
- Installation and operation manuals
- Spare parts lists
- Ensure all project documentation is accurate, up-to-date, and properly archived.
- Provide regular project status updates and technical reports to senior management.

7. Troubleshooting and Claim Handling After Sales

- Diagnose and troubleshoot technical issues related to supplied equipment during operation.
- Analyze root causes and implement corrective actions to prevent recurring issues.
- Coordinate with internal teams and suppliers to resolve performance issues.
- Manage and handle customer claims related to equipment performance or non-conformance.
- Prepare detailed reports on claims and corrective actions for management review.
- Develop and implement strategies to reduce future claims and improve overall equipment reliability.

Qualifications:

- Minimum 5 years of experience in project engineering, preferably in the steel industry or heavy equipment manufacturing.
- Experience with capital equipment or custom-engineered machinery is highly desirable.
- Strong understanding of mechanical and electrical systems used in industrial equipment.
- Proficiency in reading and interpreting engineering drawings, P&IDs, and technical documents.
- Experience with CAD software (e.g., AutoCAD, SolidWorks) and project management tools (e.g., MS Project, Primavera).
- Familiarity with industry standards and regulatory requirements (e.g., ISO, ANSI, OSHA).
- Proven experience in managing complex, multi-disciplinary projects from start to finish.
- Ability to manage budgets, timelines, and resources effectively.
- Strong problem-solving and decision-making skills.
- Excellent written and verbal communication skills.
- Ability to work effectively with cross-functional teams and stakeholders.
- Strong customer-facing skills and ability to build long-term client relationships.
- Bachelor's degree in Mechanical Engineering, Electrical Engineering, Industrial Engineering, or a related field or equivalent experience.

Preferred Qualifications:

- Experience with equipment used in **steel plants** (e.g., ladles, casting machines, transfer cars).
- Knowledge of automation systems and industrial control systems (e.g., **PLCs**).
- Experience working with international suppliers and managing global projects.

- Experience with lean manufacturing or Six Sigma principles.
- A Master's degree or professional engineering license (PE) is a plus.

Benefits:

- Competitive salary and commission structure.
 - Health, dental, and vision insurance.
 - Opportunities for professional development and career growth.
 - Flexible working hours and remote work options.
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Application Instructions:

Interested candidates should submit a resume and cover letter outlining their qualifications and experience for this position. Please apply by emailing your resume to careers@umecc.com
