
Position Description

Title: Software Systems Engineer

Reports to: Engineering Manager – Software

About Mesabi:

For over 30 years Mesabi has worked to meet the compounding control system needs for the rubber industry. From simple to complex control systems, Mesabi provides customized hardware, software, engineering, fabrication, installation supervision, commissioning, training, and 24/7 support.

Mesabi has a proven track record supplying cutting-edge technology to the rubber industry. This technology provides the competitive edge necessary to succeed in a dynamic business environment. Mesabi is continually improving its compounding control system products to help our customers maintain this competitive edge. Driven by a customer oriented and industry specific approach, Mesabi is also committed to providing the best service and support available to the rubber compounding industry.

Mesabi, recently acquired by HF Mixing Group, has developed an aggressive growth strategy to leverage rubber mixing equipment built by HF Mixing Group with Mesabi's proven control systems software package. The 5-year plan is to double our engineering staff; with an imminent move to a new 10,000 square foot office and electrical panel shop in Oakdale, MN. Our growth strategy presents opportunities for Software Systems Engineers of all skill levels to join the Mesabi team.

Position Summary:

Develop, coordinate, and execute controls systems projects. Provide technical assistance on projects and ensure successful implementation of required project scope and customer satisfaction. Develop and communicate customer contact information for technical support and sales. Provide technical input and support for product development to promote profitability, production efficiency, quality, service, and cost-effectiveness.

Primary Responsibilities:

- Provide controls systems design, specification, programming, simulation, testing, on-site start-up and training.
- Provide server and database configuration.
- Provide mixing application configuration.
- Provide Thin Client and PC configuration.
- Provide customer training.
- Generate site specific connection information.
- General understanding of rubber recipes calculations.
- General understanding of PLC programming and configuration.
- General understanding of electrical drawings.
- Assure the company and its mission, programs, products and services are consistently presented in strong, positive image.
- Promote positive relations with partners, vendors, and distributors.
- Develop and maintain customer contact for maintenance and support services.
- Identify and help resolve customer technical and product development concerns.

Additional Responsibilities:

- On-site commissioning and training.
- Participate in 24/7 Support Team coverage.

Knowledge and skill requirements:

- Proven experience of PC programming and configuration (C#, Visual Basic, Java).
- Proven experience of database programming and configuration (SQL Server, Oracle).
- Proven experience of Windows based OS (Server, 10).
- Proven experience with virtual machines (Hyper-V, VMware).
- Knowledge of network layouts desired.
- Knowledge of reading electrical drawings desired (AutoCAD Electrical).
- Knowledge of PLC ladder logic programming with Rockwell desired (Studio5000).
- Knowledge of operator interface technologies desired (Rockwell FactoryTalk View ME).
- Bachelor of Science degree in Computer Engineering, Electrical Engineering or Computer Science is desired.
- Experience in the Rubber Mixing/Processing Industry is a plus.

Working Conditions:

- Typical office environment at Mesabi facility (flex hours).
- Participation in 24/7 Support Team coverage (on rotational basis), requires night and weekend availability to respond to support calls.
- On-Site trips to customer's manufacturing facilities and exposure to typical rubber compounding facility environment (25% - 35% travel).