Senior Process Engineer - ITMS

Job Description

The qualified professional will support the Innovative Tire & Mileage Solutions (ITMS) team, which produces fuel efficiency and tire longevity products such as TrailerTails®, automatic tire inflation and tire pressure monitoring systems. The TrailerTail® is a one-of-a-kind aerodynamic technology that streamlines airflow at the rear of the trailer, folds elegantly to enable cargo access, and has the potential to deliver over $4 billion in fuel savings and 10 million metric tons of carbon emissions reductions on an annual basis.

The Senior Process Engineer has the ability to own multiple projects and lead cross functional teams to implement new products, new processes, or improve current processes and solve problems to help the organization provide the best customer value. This role within ITMS offers ample opportunity for creativity, working on significant projects due to the high number of new manufacturing cells and a strong Research and Development pipeline,.

Successful Senior Process Engineers demonstrate strong leadership skills, consistent quality awareness, integrity in all activities and commitment to safety. They consistently exceed management's expectations by completing project deadlines ahead of schedule, below budget, and with increased cost savings. They are personally committed to actively improving performance and process/product knowledge throughout the department as a whole.

Required Skills

Safety

- Embrace the values of the EnPro/STEMCO safety pledge in each of the below responsibilities. Participate in the organization's safety culture and aim to continuously improve safety within all aspects of your work.

Respect

- Foster a work environment that promotes mutual respect of all colleagues and creates an environment focused on a dual-bottom line.

Excellence

- Promote the STEMCO / EnPro Culture by exhibiting the five principles of exemplary leadership: Modeling the Way, Inspiring a Shared Vision, Enabling Others to Act, Challenging the Process, and Encouraging the Heart.
- Leadership: Manage multiple projects and mentor peers with little supervisory help. Justify and implement capital investment projects. Initiate, plan, and implement projects that provide customer value. Draft Capital Appropriation Requests (CAR) including return on investment strategy (ROI). Actively participate in the program management activities with the cross functional team to achieve the product development process deliverables and metrics such as design reviews, peer reviews, failure mode and effect analysis, design for manufacturability guidelines, and design for assembly guidelines. Monitor manufacturing performance, customer complaints and warranty data related to the manufacturing process, including the effective problem solving methodology associated with quality corrective actions.
- Technical: Resolve problems utilizing six sigma problem solving tools. Implement and

improve processes using lean manufacturing tools. Champion the use of the product development phase gate process during cross-functional team activities. Participate in design reviews during research and development of ITMS products and analyze potential failure modes and their effects on the product design. Be a facilitator / owner for the potential failure modes and effect analysis activities and documentation in the manufacturing process. Represent STEMCO during quality compliance audits. Use statistical data tools to determine repeatability and reproducibility analysis and variations to equipment and tools. Also developing capability studies (e.g. CpK > 1.33) to qualify equipment before transferring to a mass production environment. Use of design for manufacturability and assembly (DFMA) techniques during process design - including time study based on customer demand (e.g. takt time), parts presentation (e.g. containerization), pull systems (e.g. Kanban), line balancing (90%), fixturing and error proofing design, Overall Equipment Effectiveness (OEE > 85%), workmanship studies, STEMCO benchmarking, safety and ergonomic compliance. Has experience specifying and implementing custom production equipment and/or systems and can design tooling and fixtures as needed.

- Quality: Make sound business and technical decisions based on data, knowledge and experience. Statistically analyze process performance and quality. Develop and improve systems and processes to ensure continued compliance with recognized quality management system requirements such as measurement system analysis, the product development phase gate process, qualify production parts, manufacturing process, and product commercialization.
- Team Work: Lead cross-functional teams in problem solving, process improvement or new product introduction efforts. Help create positive working relationships and foster team involvement. Being able to handle conflict resolution and manage stress within a fast paced environment.

Required Experience

- Bachelor's Degree in Mechanical, Industrial, Manufacturing, Electrical, Aeronautical Engineering or equivalent with 7+ years of experience in managing multiple projects in a lean manufacturing environment.
- Good working knowledge of statistical process control methods and Quality Systems based on past training, projects, or experience. Formal training on lean manufacturing principles and track record of implementing lean projects. Green Belt certification required and Black Belt certification preferred within the Six Sigma program.
- Prior 3D design experience utilizing SolidWorks or similar CAD software. Working knowledge of word processing and spreadsheet applications required. Experience manufacturing equipment, tools, dies, jigs, and fixtures in a production environment required.

It is the policy of STEMCO to provide equal employment opportunity without discrimination because of race, color, religion, national origin, sex, age veteran status or qualified disability.

Job Location
Longview, Texas, United States

Position Type
Full-Time/Regular