Job Title: Manufacturing/Industrial Engineer
Company: Vanderbilt Luxury Pontoons
Location: Fort Wayne, Indiana United States
Reports To: General Manager
Phone: 260-478-7227

Position Overview:

The **Manufacturing/Industrial Engineer** blends mechanical design (frames, propulsion integration) and industrial processes (welding, assembly line optimization) to plan, design, set up, modify, optimize, and monitor manufacturing processes to enhance safety, quality, and productivity. The manufacturing engineer will also manage capacity addition, process improvement, and/or equipment replacement projects including project scope, costing, business case development, resource planning, timeline, and execution.

Key Responsibilities:

Factory Support & Product Development (Reports to General Manager)

- Demonstrates company values and shares the organizational commitment to safety, quality, productivity, and a high-performance workforce through positive employee relations.
- Design and implement manufacturing processes, equipment, and fixtures to improve productivity and product consistency.
- Analyze and optimize workflows to reduce waste, cycle time, and production costs.
- Partner with product development to support new product launches and design for manufacturability.
- Create and maintain process documentation, work instructions, and standard operating procedures.
- Support root cause analysis and corrective actions for quality and production issues.
- Collaborate with purchasing, quality, and production teams to improve supply chain and throughput.
- Monitor performance metrics and recommend changes to drive efficiency
- Manages capacity addition, process improvement, and/or equipment replacement projects to include project scope, costing, business case development, resource planning, timeline, and execution.
- Collaborates closely with cross-functional project team to develop a proposal of improvement initiatives including process, equipment, and product improvements with relevant details such as the scope of work, timelines, labor requirements, costs, and return on investment.
- Applies a hands-on approach to problem solving and project/solution implementation.
- Manages and forecasts associated project capital spending compared to budgeted costs.
- Generates vendor technical scope of supply documents and works closely with purchasing team in negotiating capital purchases.
- Prepares and presents detailed financial analysis including project budgets, ROI analysis, and forecasts.

- Supports facility and production line enhancements.
- Supports and develops department or maintenance projects/activities with good engineering direction.
- When relevant, helps to optimize maintenance programs and practices.
- Composes and publishes standard training documents and equipment specifications and documents activities as required.
- Demonstrates continuous improvement behaviors by identifying and resolving problems and offering and implementing suggestions that promote the achievement of team and company objectives; leads continuous improvement and lean projects and initiatives.
- Participates in continuous learning and development of knowledge and skills required to effectively perform the essential functions of this role.
- Maintains a safe, clean, orderly (visually managed) work environment to promote safety and productivity.
- Travels, as required, to support operational demands (approximately 3-5% travel).

General Responsibilities

- Performs other responsibilities as assigned and/or as needed to support company objectives.
- Meets on-site and other attendance requirements to effectively build positive relationships and interact with all employees.

WORK EXPERIENCE

- Minimum five (5) years of demonstrated manufacturing engineering and capital project management in metal working/machining manufacturing process
- CAD experience (SolidWorks, AutoCAD) is desirable

Qualifications and Requirements:

- Minimum of a bachelor's degree in mechanical engineering, industrial engineering, or related engineering discipline
- Strong knowledge of manufacturing, mechanical, and electrical processes, preferably in marine, automotive, or similar industries
- Expertise designing, operating, troubleshooting, or maintaining manual/hydraulic and CNC machine tools including, routers, welders, aluminum fence bender, and press brake.
- Ability to read, interpret and create mechanical, electrical drawings
- Knowledge of computer or PLC-based machine control systems is desirable.
- Strong organizational and follow-through skills with the ability to prioritize, multi-task, and project manage in a fast-paced environment
- Excellent teamwork and collaboration abilities to work with cross-functional teams to solve problems, create, and implement solutions
- Strong written and verbal communication skills
- Strong skills utilizing Microsoft Office Suite (Excel, Word, Project, PowerPoint) with the ability to learn new systems and tools quickly
- High degree of competency with measuring devices both in (SI) metric and US customary units.

Preferred Skills:

- Experience in aluminum welding processes, assembly-line production, or marine manufacturing.
- Exposure to ERP/MRP systems and manufacturing data analytics
- Understanding of statistical analysis including Six Sigma, control charts, etc. with data-utilization orientation when determining root cause
- Familiarity with product lifecycle management (PLM) and engineering change processes.

PHYSICAL REQUIREMENTS

Must be able to perform the following physical demands with or without accommodation:

- Ability to sit and utilize a computer for up to 10 hours per day.
- Ability to stand, walk, and move around an office and industrial environment for up to 10 hours a day.
- Ability to lift up to 50 pounds on an infrequent basis.
- Ability to bend, kneel, and climb on an occasional basis in an office and industrial setting to evaluate facility and equipment/products/materials.
- Ability to hear, speak, read, and understand English effectively to communicate with other employees, agencies, and vendors.
- Ability to meet the physical demands of travel, approximately 3-5%, including driving, flying, moving throughout airports, etc.

The above statements are intended to describe the general nature and level of work required by the position. They are not to be construed as an all-inclusive list of responsibilities, duties, and skills required. All employees holding this position may be required to perform responsibilities outside of those listed from time-to-time based on business circumstances.

Equal Employment Opportunity

We provide equal employment opportunities to all employees and applicants for employment and prohibit discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state, or local laws. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.