POSITION TITLE: Mechanical Process Engineer

POSITION LOCATION: Minden, NV

POSITION DESCRIPTION:
North Sails is an international sailmaker with operations that span across the globe. North Sails engineers, manufactures, and designs sails for cruising and racing purposes.

The company is looking for a Mechanical Process Engineer to provide innovative design solutions to new manufacturing challenges and greater output demands from existing machinery systems in North Sails manufacturing facilities worldwide. This position would require the candidate to apply knowledge of engineering principles, engineering science, and technology to analyze, design, develop, prototype, and test all aspects of mechanical components, mechatronic equipment, and production machinery systems. The candidate must work on significantly varied projects from an initial brief, through design and development, prototype testing, through the final manufacture, implementation, and final commissioning. Essential duties and responsibilities include, but are not limited to:

- Developing a project specification with colleagues, including those from other engineering disciplines and production representatives
- Discussing and solving complex problems with engineering team, manufacturers, sub-contractors, and suppliers
- Ensuring a design can be made reliably and will perform consistently in specified operating environments
- Using research, analytical, conceptual, and planning skills, particularly mathematical modeling and computer-aided design
- Producing detailed specifications and designs, accurate drawings, 3-D models, parts lists, and applicable notes and instructions
- Recommending modifications following prototype test results
- Generating project schedules and detailed estimates of project costs
- Overseeing installation, operation, maintenance, and repair to ensure that machines or equipment are installed and functioning according to specifications
- Using relevant information and individual judgement to determine whether events or processes comply with laws, regulations, or standards
- Preparing design presentation and action plan for peer review by Chief Engineer and/or Engineering Manager
- Developing process and procedure documentation and best practices and drive use in production work cells
- Regular and predictable physical presence and attendance at the worksite is required to interact with management and team members
- Working with and manage off shore teams and driving process compliance and issue resolution
Performing related duties or responsibilities, as assigned or requested

REQUIRED QUALIFICATIONS:

- Bachelor degree in Mechanical, Industrial, Mechatronic, or Process Engineering
- Minimum of one to three years of previous successful engineering experience (can include work-study, project experience, or history of high achievement in course work)
- Knowledge of and experience with robotics, motion controls, and control systems
- Experience with the installation, integration, and/or dismantling of industrial equipment and machinery
- Basic or working knowledge of low voltage DC systems, industrial sensors, and actuators
- Exposure to Matlab or other math cad platforms is preferred
- Development and use of organized, clear, and process-structured documentation methods
- Development of training artifacts and technical documentation at the operators and maintenance levels
- Skills in strategic planning, developmental conceptualization, analytical thinking, problem solving, and forecasting of engineering project needs
- Able to work in groups and distributed teams, engage stakeholders, and communicate clearly and effectively
- Ability to manage multiple simultaneous deliverables and transition between projects as requirements dictate
- Commitment to creative and analytical problem solving
- Ability to work with and be part of a global manufacturing team and travel in the United States and internationally

HOW TO APPLY:
Interested applicants should send a resume and cover letter to jobs@3dl.northsails.com.