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July 13, 2022

Systems Project Engineer

TOWHAUL CORPORATION DBA SMITH EQUIPMENT USA

TowHaul Corporation, a leading designer and manufacturer of off-road mining equipment, is currently seeking a high caliber and highly detailed person for the systems project engineering position.

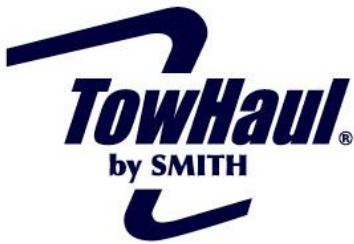
Full time position. Wage DOE

RESPONSIBILITIES (include but are not limited to)

- Design Hydraulic and Hydro-Electric Systems for TowHaul's Products
- Design Air/Hydraulic and Electric/Hydraulic Braking Systems for TowHaul's Products
- Design Brake Cooling Systems for TowHaul's Products
- Design Electrical Systems for the Control of Hydro-Electric, Braking, and Brake Cooling Systems, as well as Lighting and other electrical functions for TowHaul's Products
- Design and Program Controls for the above systems
- Design and Program the HMI's (Control Screens) for the above systems
- Document the control and screen programs of the above systems
- Board test the control and screen programs of the above systems
- Bench and field test the control and screen programs of the above systems
- Use solid modeling software (SolidWorks) to locate all system components in structural models and determine routing of wiring, hoses, and tubes
- Develop production drawings for the location of these component mountings
- Develop parts and operator manual models, drawings, and Bills of Materials
- Compile bills of materials for issuing/charging, and assembly; and long-lead items lists
- Develop parts and operator manual system control descriptions
- Provide troubleshooting and problem-solving assistance to service technicians and customers
- Provide assistance to sales in estimating system component requirements
- Monitor remote (Telematic) data as needed to ascertain system performance and problems
- Assist with improvements in documentation methods and procedures

REQUIRED SKILLS

- Proficiency with general inventory software and standard Microsoft programs
- Proven team player with excellent attitude and work ethic



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EDUCATION

- Degree in Engineering

SUCCESS FACTORS

- Strong team contributor
- Planning, managing multiple projects and agendas
- Strong organizational skills
- Technical aptitude
- Loyalty and commitment to TowHaul's culture of innovation
- Computer and CMS proficient
- Strive to customer expectations – every day on every project – with honesty, integrity, and respect
- Ability to follow instruction
- Must be able to work overtime on occasion and be flexible with work schedule
- Good documentation skills
- Continuous and consistent attention to detail
- Adaptable, trustworthy, integrity and positive attitude

Physical demands and work environment:

The physical demands and work environment described here are typical, however not intended to be all-inclusive and are subject to change per the environment. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions for the position.

- Required to sit and stand at workstation.
- Work Environment: The noise level in the work environment is usually moderate, however can be severe and caution shall be executed with the use of PPE as required when working in the fabrication shop. The noise level when working in the office will be minimal.

NOTE: This job posting is not intended to be all-inclusive. Employee may perform other related duties as assigned and negotiated to meet the ongoing need of the organization business needs. The employee is expected to adhere to the company policies while employed as a condition of employment.

Submit Resume to: jobs@towhaul.com