

Job Description

Job title: Electrical Engineer / Technologist

Reports to: **Innovation Team Lead**

Major purpose:

A key member of the MoveMobility Innovation team working to create, develop, refine, launch, and support world class accessible vehicles, while demonstrating and adhering to the company's core values

Major Duties:

- Ownership of all related aspects of the electrical design, development, and implementation required to support vehicle conversions from prototype thru production
- Review and evaluation of all current/existing product electrical to align conversion(s) with requirements, codes, standards, and good practice
- Ensuring compliance with specifications, codes, customer requirements, standards, and good practice for all new developments
- Generate design(s) using CAD (2D/3D) to produce (and maintain) accurate BOM structuring for conversions (including ECO and revisions) in accordance with company best practice
- Determine test requirements and support and/or coordinate activities to complete testing
- Complete calculations, measurements/data collection, and generation of reports /documentation when required
- Work with suppliers to select components and/or develop system level solutions and product offerings
- Identify and recommend components and/or products to meet application needs or support change requests (cost reductions, change of supplier, etc.)
- Support bid specification reviews and sales inquiries as related to electrical content to define feasibility, identify risks, timeline estimates, and projected costs associated
- Assist in creation of content to establish internal electrical standards, policies, procedures, specifications and/or manuals
- Provide troubleshooting and support to production / operations or service teams

Qualifications:

- Minimum of 3+ years experience in automotive electrical (or a similar background) with a proven track record of managing electrical design and implementation of electrical systems
- Excellent written and verbal communication
- Motivated Self Starter with a positive attitude
- Strong attention to detail
- Ability to multitask with effective time management
- Excellent Problem-solving skills
- Highly organized

Technical Skills and Knowledge – specialized skills, knowledge and abilities needed to perform essential job functions

- Well versed in automotive chassis architecture, strategies, and regulations (CMVSS/FMVSS, DOT, D409, ADA)
- Understanding of automotive electrical standards (SAE, ISO, etc.) and applicable Canada / USA electrical codes (CSA, UL, etc.)
- Direct experience with vehicle multiplexing systems, CAN networks, and programming
- Familiarization with both low voltage (12/24v) and line voltage (120v) systems specific to vehicle applications (or equivalent)
- Knowledge of high voltage vehicle systems (hybrid and/or EV battery) is considered an asset
- Knowledge of radio equipment integration to vehicles
- Strong CAD background with emphasis on harness design, schematic creation, and bill of material generation
- Use of hand tools, inspection, and measurement equipment
- Ability to construct prototype parts and test components or systems
- Computer proficiency (MS Office)
- Background in a manufacturing (or assembly) production setting is strongly preferred
- Familiarization with use of ERP/MRP system is an asset
- Understanding of project management fundamentals is considered an asset

Education

- Electrical Engineer or Engineering Technologist are preferred (but not limited to)

For more information on our company, please visit our website : www.movemobility.ca

To apply for this position, please send a resume to: carrie.mcdonald@movemobility.ca

Only those selected for an interview will be contacted.

