

About the Position

The Organization

Integral Control Systems Ltd. is a Calgary, Alberta based company founded in 2022. Currently our projects require engineering and production of control and propulsion system solutions for the railway industry.

The Opportunity

- Position: Senior Mechanical Engineer
- Reports to: Vice President of Engineering
- Location: Calgary, Alberta
- Direct reports: mentorship of junior engineering staff/E.I.T.s and engineering students

Compensation

- Competitive, base salary based on experience
- 100% company-paid health and dental benefits
- Competitive vacation

Job Summary

The Senior Mechanical Engineer will work with senior leadership to determine product requirements. They will oversee the entire design process from conception to production. They will prepare design documentation and work with manufacturing and systems teams to validate the designs and ultimately prepare them for production and service.

Key Responsibilities

- Work with the Engineering team to design mechanical enclosures for PCBA's and Power Electronics using SolidWorks.
- Ensure designs meet MIL specifications, Shock and Vibration certifications.
- Generate BOM, Assembly Drawings, Test Procedures and Validation Documents.
- Manage products through the entire design cycle – requirements specifications, design, prototype assembly and testing through to production.

- Assist with the creation of product requirements specifications and technical documentation.
- Ensure effective communication between project development stakeholders and demonstrate leadership to maintain credibility and trust.
- Manage changes to project requirements, scope, schedule and costs.
- Support the sales and executive teams with technical expertise during client meetings.

Qualifications and Experience

- Registered as a P.Eng. with APEGA and in good standing.
- B.Sc. and/or M.Sc. in Mechanical engineering from an accredited university.
- Strong working knowledge of Solid Works.
- 5+ years of experience as a P. Eng Mechanical Engineer.
- Strong understanding of MIL shock and vibration specifications.
- Strong understanding of isolation clearance requirements for up to 4500VDC.
- Familiarity with power electronics is an asset.
- Ability to guide lab certification processes working with third-party test labs to achieve product certifications.
- Previous control system and railway experience is an asset

How to Apply

Send your resume with cover letter referencing job ID 2026.01.07.01 to info@IntegralControls.com