Our growing company is looking for a RAMS engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for RAMS engineer

- Work with the North American railroad industry to create and drive a set of requirements and best practices into equipment vendors to assure the quantification and prediction of Reliability-related metrics
- Guide and train equipment vendors on how to do Reliability analysis and FMECA on their products
- Drive vendor-level analysis into the CN solution-level analysis and modelling
- Reviewing and validating RAM plan submissions to ensure compliance to EN50126
- Advising upon and assisting in the development of a steady state RAMS capability for the business
- Taking part and where necessary, facilitating RCM development workshops
- Collating and reviewing FMECA data across all projects, developing and maintaining a fleet reliability database using appropriate tools within Isograph reliability workbench
- Creating Fault Tree Analysis, Event Tree Analysis and reliability block diagrams to aid development of maintenance plans
- Producing periodic reports on reliability growth of the fleets and the status of the maintenance plan
- Developing and implementing maintenance processes and procedures relating to Operations Engineering

Qualifications for RAMS engineer

- Good working knowledge on RAMS, FMECAs, RAM Modeling, Hazard Analysis, Risk Assessment, Safety Case
- Experience in Rail Systems design (optional)
- You have knowledge of RAMS methods (RBD, FTA, FMEA)
- You are familiar with the application of functional safety standards (eg IEC 61508, IEC 61511, IEC 62061,), preferably with certification
- Reviews, comments and validates supplier RAMS documentation, to ensure that contractual obligations are met
- Verify Reliability and Safety requirements are met by identifying the specific verification documentation (specific test procedure/specific operating procedure) for each requirement