

RAM Engineer (Charleroi, BELGIUM)

ALSTOM

The Railway industry today is characterized by both a strong and sustained growth across the world.

Alstom develop & market the most complete range of systems, equipment and services offered today in the railway sector. Today we offer our customers solutions that feature a seamless blend of diverse technologies, ensuring optimal interfaces, along with flexible implementation and real synergy in innovation.

The company recorded sales of €8 billion and booked €7.2 billion of orders in the 2017/18 fiscal year. Headquartered in France, Alstom is present in over 60 countries and employs 32,800 people.

ALSTOM IN CHARLEROI

Alstom has been part of the Belgian railway history for about 130 years.

Today, from Charleroi (BE), the company is active through two centers of excellence:

- **Signalling Systems – Center of excellence ERTMS** (European standard development and implementation)
- **Power Electronics – Center of excellence Traction Systems** (Traction solutions / auxiliary converters / low voltage cabinets)

Important efforts in R&D support the development of these activities contributing actively to promoting a safe and performant railway network as well as sustainable mobility solutions worldwide.

The Alstom Belgium teams have an excellent knowledge and reputation in the global project management and every day **from Charleroi, about 1050 employees, among which 500 engineers, are working on more than 100 projects all over the world. Thanks to them, the site of Charleroi makes a significant contribution to worldwide rail transportation development.**

JOB DESCRIPTION – RAM Engineer

As a RAM Engineer, **your mission will be to Execute / Coordinate RAM (Reliability, Availability, Maintainability) related activities in Tenders, Projects and Product Developments looking for optimization of cost / performance ratio of RAM.**

It means:

- You will perform all RAM related activities, applying defined Process and Methods Guidelines
- You will make recommendations for architecture choices to meet contractual RAM targets
- You will apply RAM techniques (Reliability Block Diagrams, Fault-Tree, Markov, Failure Mode & Effects Analysis (FMEA), RAM prediction for system/subsystem/products solutions).
- You will, when necessary, defend choices in front of customers
- You will define and manage Reliability Growth
- You will implement a RAM Monitoring process during O&M (Operations & Maintenance) phase and issue RAM-related KPIs
- You will be responsible for budget and schedule adherence throughout project lifecycle

To be successful in this function, you'll certainly have to initiate and maintain regular and constructive relationships with internal (project team, R&D, Warranty,...) and external (customers, users and maintenance crews,...) partners.

REQUIREMENTS

Education - Bachelor's degree or higher in Mechanical, Industrial or Electrical Engineering; Coursework or certificate in RAM Engineering is a plus.

Experience – Min. 3 to 5 years in RAM Engineering, with associated knowledge of RAM methodologies. Experience in rail signalling is a plus.

Language – A full proficient use of French and English are mandatory to be able to write and explain RAM studies internally and externally. Another language is a plus.

Behavioral competencies – Positive personality / Rigorous and reliable / Promote Teamwork and communication / Ability to work under pressure / assertiveness /good analytical & synthetical skills/Strong interpersonal skills/ excellent written and verbal communication/Self-motivated/ability to adapt and passion to learn new techniques in a changing environment.

“WHAT’S IN IT FOR YOU?”

You're looking for a challenging but also meaningful job in a multicultural engineering company which sustain careers evolutions and allows international mobility?

At Alstom we offer you the opportunity to unleash your potential and reinvent yourself! As our next colleague, you will have a unique opportunity to drive our organization forward, while continuing to build your career and contribute to the expanding growth of a competitive global railway industry.

You recognize yourself in this short description?

Don't hesitate to apply! (www.alstom.com/careers or jerome.hallaux@alstomgroup.com)