As part of its continuous growth, VIATTECH Q&S has an exciting opportunity for an

**EXPERIENCED SAFETY ENGINEER (RAMS) (m/f)**

**Job accountabilities**

- Within the framework of national or international projects in the transport sector (rail/metro/tram), you are in charge of carrying out various operational safety activities:
  - Project security insurance plan
  - Preliminary risk analysis (PHA)
  - Hazard and Operability study (HazOp)
  - System and FME(C)A risk analysis
  - Formulation of RAMS objectives and allocation of these objectives to system architecture functions and entities
  - Quantitative risk assessment by Failure Tree and/or Event Tree
  - Management of the Hazard Log
  - Reliability and maintainability studies
  - Drafting of the safety file in accordance with the requirements of the Cenelec EN50126/EN50129 standards

- You ensure safety management in close collaboration with the project team and in compliance with quality procedures
- You participate in safety/design reviews and gate reviews set up by the project manager
- You are providing advice on design and implementation changes required to achieve security and availability objectives
- You participate in safety audits conducted by assessment bodies (ISA / IA / NoBo) and support the project team in developing responses and actions to address the findings

**Requirements**

- Engineer (civil or industrial) with Master degree in electrical engineering, electricity, electronics, mechanics, physics or applied mathematics
- Proven professional experience in RAMS engineering, application of railway standards EN50126/EN50128/EN50129 or other equivalent standards (minimum 5 years)
- Knowledge of operating safety concepts (RAMS) is appreciated (risk analysis methods, FME(C)A, PHA, SHA, fault tree, reliability study)
- Experience in an ETCS control-command & signaling project (level 1, level 2) and engagement is a plus
- You are dynamic, autonomous in your activity and enjoy working within a multidisciplinary project team
- Excellent communication skills, rigor and curiosity are essential assets
- You are a Dutch or French native speaker with a good knowledge of English

**Job offer**

VIATTECH Q&S offers a competitive remuneration and benefits package and the possibility to enhance your competences and expertise level by attending courses organized by the VIATTECH Academy. To apply, send your resume and cover letter to: Mathieu Gendaj, Business Development Manager (mathieu.gendaj@viattech.com, +32490/65.29.12). Your application will be handled quick and confidential.

**About the company**

Based in Belgium, VIATTECH Q&S is an independent engineering, innovation and technology consultancy and inspection office specializing in complex systems engineering, operational safety (RAMS: Reliability, Availability, Maintainability, Safety), risk management and independent safety assessment (ISA / IA). The areas of intervention cover complex engineering systems or processes implemented in the guided transport sector (rail / metro / tram) and other transport technology sectors (automotive, aeronautics, defense). The activities are extended in the field of model-based system engineering (MBSE) and Verification & Validation (V&V) deployed during the project life cycle.