

SENIOR ERGONOMICS AND HUMAN FACTORS ENGINEER M/F

Date: 17-Jun-2018

Location: Saint-Ouen, J, FR

Company: Alstom

The Railway industry today is characterized by both a strong and sustained growth across the world. The trends that drive this are well known: environmental challenges, population growth, urbanization and increasing demands for mobility.

With 6B€ of Sales and around 30,000 employees based in over 60 countries, 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.

Your mission:

The Ergonomics and Human Factors Engineer will participate in project/offer development through the application of internal procedures, instructions and guidelines of the domain and has to be operative on the following activities:

- Human factors studies : workload and risk assesement
- Heuristic assessment of display interface
- Ergonomics simulation with Catia V5, Human Builder, Human posture analysis, in the frame of tenders and projects
- Calculation of Anthropometrics data, seat dimension
- Preparation, analysis and interpretation of REX results,
- R&D under the coordination of Core Competence Network

His / Her responsibilities:

- Contributor to all AT programs & projects facing technical Issues in ergonomics and Human factors related fields
- Responsible for expertise in the domain of ergonomics, human factors, recommendation for diagrams, design of cabin and cars, design of seat and footrest,
- Responsible for specification of passengers needs in the domain of services (catering and distribution) and Information (Public address, video, etc...)
- Responsible for specification for display
- Accountable for measurements done in Tympanic area (pressure wave)
- Accountable for cleanability

- Responsible for platform, pre-projects and projects, simulations for cab visibility, workplace accessibility and reachability. Write reports that summarize the results before SGR. Provide simulation that valid the performance before PGR. Develop and promote the use of mock-up for the definition of cabin and cars layout
- Responsible to define and deploy the process and tools to implement the simulation
- Contributor for the definition of Engineering instruction, guidelines and DRCL
- Responsible to develop, deploy and promote the library of manikin, driver's desk, seat and footrest
- Accountable for the engineering QCD
- Contributor to develop relationship with Region and Platform to get REX about similar architecture and validation of simulated solution

Your profile:

- Catia v5, DMA, Human Builder, Human Posture Analysis
- Methodologies for ergonomics : tasks analysis, questionnaire definition, interview synthesis, manikin definition
- Workload analysis
- Standard : TSI, UIC 651, 612, EN 16186
- Communication skills
- European Ergonomist title or equivalent would be a plus

Why Work for Us? At Alstom we offer you the opportunity to unleash your potential and reinvent yourself. As a future employee, you will have a unique opportunity to drive our organization forward, while continuing to build your career and contribute to the expanding growth of the global railway industry.

Job Type: Experienced

Applications shall be sent through Alstom website: <https://jobsearch.alstom.com/>

More about Alstom: www.alstom.com