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VATC Work Package Lead (Signalling-Rolling Stock interface)

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Company: Alstom

Location: Bangkok

Category: other-general

Req ID: 448851

Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide the sustainable foundations for the future of transportation. Our product portfolio ranges from high-speed trains, metros, monorail, and trams to integrated systems, customised services, infrastructure, signalling and digital mobility solutions. Joining us means joining a caring, responsible, and innovative company where more than 75,000 people lead the way to greener and smarter mobility, worldwide

Purpose of the role:

You'll develop and integrate a fully functional ATC On-Board System Description & Installation Proposal, noticing the differences with standard solution applying the specific rules and requirements for the project, establishing its hardware/software configuration and application data features.

Day-to-day, you’ll work closely with teams across the business (engineering, project management, rams), develop the interfacing with the rest of systems of the project (TRAIN/TCMS/ /MVB/ATP/ATO/ETH) and with T&C team until the commission of the whole system and much more. You’ll specifically take care of liaising with the RAM, Safety and/or V&V for a correct communication of the design requirements and decisions to be assessed, tested or demonstrated.

Key accountabilities:

ATC System includes both trackside and train borne.

Project ATC Leader main responsibilities are:

Accountable to deliver Automatic Train Control (ATC) and Vehicle Integration Engineering work. The scope of the work package includes the design, installation, and test of electrical interfaces between ATC system and the vehicle. Quality, Cost and Delivery commitments

He/she is the direct technical interface with the customer for ATC Engineering

Provides ATC functional and architecture specification, ATC detailed design and ATC configuration. Provides corrections during and until customer acceptance.

Provides Signalling – Rolling Stock interface specification, until mutual agreement from both engineering entities

Make sure technical design is consistent

Contribute to the definition of the functional validation phase of the sub-system (I&V and FIVP)

Ensure that all Domain / Métier activities follow ATC methods & tools

Support PrEM to ensure full transparency of ATC Engineering WP QCD performance (including physical progress)

Follow the monthly review cycle with PrEM, highlighting main variances against the Project Engineering QCD commitment, initiating corrective actions and immediately informing the PrEM and Projects Engineering Domain / Métier department head where major deviations are detected.

Follow and participate in Risk and Savings Reviews for his / her scope. Provide inputs to PrEM to update the RAMP and SAMP of the Project.

If the ATC scope changes (due to either internal or external changes), support PrEM in Project Engineering QCD commitment variations with the Project Controller

Make communication with customer and ensure ATC documentation is approved

Leading System design (Architecture, Interfaces & Installation)

Technical management (configuration, change control and requirements).

Solve technical issues concerning application project.

Take responsibility for the overall performance of the system and the allocation of the project performance requirements and ensure that these requirements are met.

Control the collection of technical data (Data Book) and keep it up to date.

To participate in the Gate Reviews (give status on system activities).

To support application projects in ATC Onboard current and future projects.

Performance measurements:

Project Quality, Cost and Delivery commitment

On-time-delivery for ATC deliverables according to project planning and DML (EDP - Engineering Delivery Performance)

Defect detected on ATC (DQI - Delivery Quality Indicator)

Cooperation and reactivity to support to Root Cause Analysis Identification of contract variations (through traceability & coverage of requirements)

Education:

University degree (MEng) preferably) in engineering related to electric, electronic or automation processes.

Relevant experience required:

At least 3 years with internal experience as OnBoard Railways Engineer or similar in other markets.

At least 1 year of experience as system engineer.

At least 2 year of experience as Software developer

Technical knowledge: Signalling, ERTMS, TCMS, MVB, ATP, ATO, SIFA , system design, Installation design, Installation Verification, Data Preparation.

Knowledge on EN standard EN50155, 50128, 50129, UNISIG Subsets, specially Subset-026, 108, 027 & 076 is an advantage.

Command of English: fluent in conversation and mastered in reading and writing.

Windows environment (Word, Excel, Powerpoint, Project)

Alstom is the leading company in the mobility sector, solving the most interesting challenges for tomorrow's mobility. That's why we value inquisitive and innovative people who are passionate about working together to reinvent mobility, making it smarter and more sustainable. Day after day, we are building an agile, inclusive and responsible culture, where a diverse group of people are offered opportunities to learn, grow and advance in their careers, with options across functions and geographic locations. Are you ready to join a truly international community of great people on a challenging journey with a tangible impact and purpose?

Equal opportunity statement:

Alstom is an equal opportunity employer committed to creating an inclusive working environment where all our employees are encouraged to reach their full potential, and individual differences are valued and respected. All qualified applicants are considered for employment without regard to race, colour, religion, gender, sexual orientation, gender identity, age, national origin, disability status, or any other characteristic protected by local law.

Job Segment: Testing, Project Manager, Network, Technology

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