

Project V&V manager

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Company: Alstom

Location: Charleroi

Category: computer-and-mathematical

Req ID:442110

At Alstom, we understand transport networks and what moves people. From high-speed trains, metros, monorails, and trams, to turnkey systems, services, infrastructure, signalling and digital mobility, we offer our diverse customers the broadest portfolio in the industry. Every day, more than 80 000 colleagues lead the way to greener and smarter mobility worldwide, connecting cities as we reduce carbon and replace cars.

PURPOSE OF THE JOB

Take part to major deployment projects by leading, organizing and performing the verification, integration and test activities of a Signaling project, that can be either an adaptation of a generic Alstom solution or a vertical solution ranging from product development to project implementation, fitting the client's needs in terms of Quality, Cost and Delivery.

Define and lead all the in-house project activities related with Verification, Integration and Testing, either performed by a team in V&V department or delegated to experts in other Signaling departments. Cooperate tightly with Test & Commissioning to complement in-house with on-site testing activities.

When Safety is involved, discuss and agree the overall V&V strategy with Safety Assurance Manager to ensure the achievement and demonstration of the requested safety targets.

Share with Project Engineering Manager and Project Safety Assurance Manager the V&V

strategy defined to deliver a validated solution and agree on requested budget and schedule of inputs and deliverables.

MAIN RESPONSABILITIES

This role will require to:

Define the Project Verification and Validation strategy in the V&V Plan, to ensure proper coverage and demonstration that customer and design requirements are met. Collect the contributions of all involved stakeholders (Test & Commissioning);

Optimize allocation of tests in-house and on-site, favoring labs to anticipate results and increase efficiency and coverage;

Define and agree V&V activity schedule

Ensure the application and adherence to internal processes and applicable norms, methods & tools, requesting deviations whenever appropriate;

Define the project Requirement Validation Table (RVT) to demonstrate the validation of technical requirements;

Organize and lead documental verification and reviews;

Manage full verification and validation of all configured functions, together with parameters and data produced on the project;

Monitor and follow-up execution and reporting of activities delegated to experts in other departments;

Define needs, architecture and follow-up implementation of testbenches and analysis tools.

Represent Alstom in front of customers, partners and auditors, for instance to provide overview of Test strategy, progress, issues, risks and opportunities;

Manage functionally the Project Verification & Validation Team and ensure/control their deliverables for the project;

Ensure independence of verification from design;

Select and manage subcontractors;

Cooperate with Test and Commissioning for the definition and followup of Site Acceptance Tests

Manage work packages or WP tasks.

Performance management:

CPI (Coverage Progress Indicator)

DQI (Delivery Quality Indicator)

Cooperation and support to Root Cause Analysis

MAIN REQUIRED COMPETENCES

Educational Requirements

Mandatory:

Graduated

Foreign language: English, full proficient use

Desirable:

Master degree in Engineering or scientific topics

Experience

Mandatory:

Good analytical skill and previous experience in test & integration are required. In alternative, you will have an experience in system. engineering or Safety Assurance.

Knowledge of at least one Alstom platform.

Desirable:

Knowledge of more than one Alstom platform; becomes mandatory in case of system-level projects.

Design and data preparation processes understanding.

Engineering and system background.

At least 5 years in relevant positions (systems / sub-systems integration, embedded equipment, electrotechnical product development) in a highly complex and normative environment (railway signalling, aerospace, defense, nuclear) would be a major asset.

Competencies & Skills

Open-minded

(Self) entrepreneurial

Problem setting and problem solving

Leadership, team motivator

Sense of urgency

Writing skills required: clarity, rigor, and concision

You don't need to be a train enthusiast to thrive with us. We guarantee that when you step onto one of our trains with your friends or family, you'll be proud. If you're up for the challenge, we'd love to hear from you!

Important to note

As a global business, we're an equal-opportunity employer that celebrates diversity across the 63 countries we operate in. We're committed to creating an inclusive workplace for everyone.

Job Type:Experienced

Job Segment: Project Manager, Product Development, Manager, Performance Management, Technology, Research, Management, Human Resources

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