

Validation & Verification Designer M/F

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Company: Médiante Système

Location: Brussels

Category: computer-and-mathematical

For our client in the Railway sector, we are looking for a V&V Designer to 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 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 (e.g. 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.

Required qualifications

Mandatory: Graduated Foreign language: English, full proficient use Desirable: Master degree in Engineering or scientific topics Experience Good analytical skill and previous experience in test & integration are required. In alternative, you will have an experience in system. engineering or Safety Assurance. Desirable: 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) entrepreneuria Problem setting and problem solving Leadership, team motivator Sense of urgency Writing skills required: clarity, rigor, and concision

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