

Track Design Lead Engineer

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Company: Alstom

Location: Istanbul

Category: other-general

Req ID:451054

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.

Responsibilities

Technical Missions:

Accountable for:

Responsible for the basic engineering activities of the specialties defined (validation or production according to the context): General arrangements, layout rules, technical specifications, interfaces specifications, calculation notes.

Responsible to produce the detailed design of the specialties defined: equipment specifications, factory test procedure (FAT), technical drawings, installation drawings, bill of quantities (BOQ), etc.

In case of projects, responsible to produce As-built documents of the TW after on-site activities and based on the on-site reporting.

For the TW specialties defined, responsible for the coordination of the design activities: with all the TW design team mobilized on the project, with the engineering team of other Sub-Systems (for bundle or turnkey organization), with transversal engineering teams (Earthing &

Bonding (E&B), Track embankment & slope profiles, Civil Works interfaces and topographical referential, Acoustics, Noise & Vibrations, etc.), with the field operations teams (support to the construction, test & commissioning teams), with RAMS, and other project requirements that have to be taken into account at design phase.

In project execution or product/solution development, responsible for the QCD reporting and REX of her/his scope of work.

In tender execution or product/solution business plan, responsible for the commitments on Design costings and workloads of her/his scope of work.

Responsible for the respect of processes defined at management level: Engineering Management Plan, requirements management, configuration change management, risks management, interfaces management, etc.

Responsible for the respect of applicable regulations and standards in the design of the TW solution.

Responsible for the respect of Alstom Policies in the design of the TW solution.

Responsible for:

Justify proposals in front of track design manager, partners, ALSTOM sub-systems and client if required.

Prepare track design documents

Ensure compliance with standards, technical specifications and procedures including Quality procedures.

Definition of components technical criteria and technical evaluation of suppliers,

Obtaining approval of technical documents (especially drawings),

Bill of Quantities (BOQ) elaboration,

Prepare submittals to client and 3rd entities

Coordinate with other entities (other ALSTOM activities/ civil work partners...) for the technical aspects of the track interfaces and especially with the civil works.

Check sub-contractor and in-house track designs and ensure technical compliance (Ensure application of agreed quality controprocedures)

During track installation:

Accountable for:

- Carry out / Support the Factory Acceptance Tests
- Technical open issues resolution on site, from investigation to modification implementation and problem closure,
- As-built documentation,
- Providing Return of experience to be implemented in Reference Solutions. Contribute to the RoE committee and documentation update.

QCD and reporting:

Accountable for:

- Supports Design Manager for implementation and update of Engineering risks mitigation plan
- Supports to Design Manager in improvement proposals in term of QCD and during the change order process.
- Perform reporting at project level and at metier level

Knowledge & Experience :

Educational : Civil or Mechanical Bachelor / Master Degree

5 years minimum trackwork design experience in railway

Project and/or construction experience preferred

Geotechnical and/or structural calculation knowledge as well as track alignment knowledge will be a plus.

Computering skills : Microsoft Office pack and AutoCAD.

Behavioural and Technical Skills: .

Communication skills

Interpersonal skills (teamwork and leadership)

Decision-making ability

Analytical and critical thinking

Problem-solving ability

Team size:

Leading a TW engineering team (engineers, CAD operators, etc.).

· Design Leader of a team [3-10]

PURPOSE OF**Organisation Reporting**

Site/Country/Cluster/Region Engineering structure

Hierarchically linked to the Infra or TW department

Leader/Manager/Director

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 Segment: Change Management, Management

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