

Track Structural Engineer

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Company: Alstom

Location: Istanbul

Category: other-general

Req ID:438519

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:

Respect of normative references.

Upon request, review of contractual documents and identification of any areas requiring particular structural attention

such as :

unusual track cross-sections at grade, in tunnel and on elevated structures

special sections to reduce vibration emissions

transition areas between typical sections or at expansion joints

particular client or environmental constraints (example seismic)

constraints arising from applicable rules in a specific city or country

Review of the different structural approaches proposed by the structural engineer and checking of the final one taking account the constructability criteria.

Review and/or support to the definition of the concrete mix designs and reinforcement types.

Review and/or support to constructive principles related to concrete: joints' types and positions, crack initiation,

interfaces between slabs superposed or between slab and support

Responsible for:

Justify higher level of structural expertise in front of track design manager, partners, ALSTOM sub-systems and client if required.

Review/Optimisation of technical specifications and plans for both in-house construction and sub-contractors.

Obtain approval of technical documents (calculation notes & drawings) and support the structural engineer if required.

Support the PrEM in his coordination with other entities (other ALSTOM activities/ civil work partners...) for the technical aspects of the track interfaces and especially with the civil works.

During track construction, accountable for:

Review of the concrete mix designs defined and plants.

Support to technical structural open issues resolution on site, from investigation to modification implementation and problem closure.

Knowledge & Experience :

Educational : Graduate from Engineering school in topography/civil science

3 years minimum civil-structural engineering experience

3 years minimum trackwork design experience in railway

Project and/or construction experience preferred

Geotechnical and/or structural calculation knowledge is required

Track alignment knowledge will be a plus.

Computing skills : Microsoft Office pack, AutoCAD, SAP 2000 is required.

Behavioural and Technical Skills:

Good team spirit and communication skills .

Autonomy, motivated, initiative, and interested in technical topics

Fluent English, second language appreciated.

Organization Reporting :

Hierarchical & Functional: Structural Design Manager

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: ERP, SAP, Technology

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