

Power Supply Design Engineer

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Company: Alstom

Location: Athens

Category: other-general

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, customized services, infrastructure, signalling, and digital mobility solutions. Joining us means joining a caring, responsible, and innovative company where more than 70,000 people lead the way to greener and smarter mobility, worldwide

Job description

Job Title

Design Engineer

Purpose of the Job

As “Power Supply Design Engineer” in case of projects:

Assist the “Power Supply Design Leader” in his role of performing the basic and detailed power supply engineering activities of a traction project (metro),

Assist the “Power Supply Design Leader” for all interfaces with the power supply sub-system,

Produce the necessary design and engineering workload and deliver with excellence at the right time and the right quality,

Participate at the REX (Return of Experience) of the project,

Provide support to one or several Bids in line with policies, standards, regulation and customer specifications.

Position in the Organisation

Organisation Reporting

The position reports hierarchically to the “Power Supply Engineering Manager”.

The position reports functionally to the “Power Supply Technical Manager”.

Network & Links

The “Power Supply Design Engineer” will liaise with:

Engineering: Power supply engineering team + other engineering teams,

Project: Project management team,

Site: Construction + tests and commissioning teams,

External interface: Suppliers + Subcontractors + Customer + Partners,

Regional Centers.

Missions

Performance Measurement/KPI's

The “Power Supply Design Engineer” work will be evaluated according to the following points:

On-time delivering: 100%,

Respect of Design for Quality milestones: 100% Go On Time, in accordance with the standards or rules of his Metier,

Respect of performances of the system provided: 100%,

Quality of the works performed in the frame of Central function.

Responsibilities

As “Power Supply Design Engineer” in project:

Perform the power supply (for high voltage / medium voltage / traction / low voltage parts)

basic engineering activities of a project:

Analyse customer's specifications / requirements and design components of the Power Supply & Traction Power System accordingly,

Provide electrical architectures, technical specifications, functional specifications and interface

specifications,

Provide calculation notes,

Review and ensure the technical validation of the supplier's equipment offers,

Perform the power supply (for high voltage / medium voltage / traction / low voltage parts) detailed engineering activities of a project:

Production of BOQ's

Follow-up and validation of the technical drawings and manuals from the equipment supplier,

Deliver detailed design documents,

Prepare reports and schedules for internal use

Provide the factory test procedures of the equipment,

Participate at the factory acceptance tests of the equipment.

Assist the "Power Supply Design Leader" for coordination / interfaces with:

The Saint-Ouen power supply engineering team (including automation and installation teams),

The others sub-systems of the project, particularly: Systems, civil works, trackwork, SCADA, catenary, return current, EMC, earthing & bonding, etc...

The on-site power supply engineering team (if any),

The customer,

The project management team,

The suppliers, the subcontractors, and the partners.

Contribute the enforcement of good practices within the design team

Provide technical support to Construction and Test and Commissioning teams with regards to design issues,

Participate to the As-built documentation drawings modifications.

Job Specifications

Knowledge & Experience

MEng Degree in Electrical Engineering

A minimum of three-five years of experience in electrical engineering,

Professional experience in railway transportation experience is appreciated

Good working knowledge of AutoCAD.

Excellent knowledge of electromechanical drawings.

Very good knowledge of electrical installation (high voltage, medium voltage and low voltage),

Very good IT Skills,

Excellent writing and editorial skills,

Possess Excellent co-ordination and communications skills both written and verbal

Autonomy, motivated, initiative and interested in technical topics,

Problem solving mindset with attention to detail and good analytical skills,

Possess the ability to work well as part of a team and independently

Ability to adapt to complex project organization.

Proactively coordinate with Project teams

Fluent English, second language appreciated.

Team size

N/A

Innovation

N/A

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 Type:Experienced

Job Segment: Supply, Project Manager, Technical Support, Operations, Technology

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