

Power Electronic Engineer H/F

Our client:

an important industrial actor based in Geneva.

Role & Responsibilities:

- Technical support to customer projects and sales departments
- Study, dimensioning and specification of electric equipment and power converters (rectifiers, inverters, transformers, filters, etc.) related to railway traction application according to relevant standards (EN, IEC, ANSI, IEEE)
- Calculation of short-circuit currents, definition of earthing systems and stray currents assessment
- Research and validation of components and subsets, semiconductors, magnetics, fuses, ...
- Network power simulation for railway (metro, tramway, train) and coordination of protections
- Willingness to learn and meet standards, active participation to committees
- Design tests and type tests supervision
- Preparation of folders RAMS, AMDEC and LCC according to standards

Profile:

Minimum 5 years successful experience as power electrical engineer in one of the following fields:

- Railway application
- Electric power distribution high/middle voltage
- Industrial power converter

Required skills:

- MSc/PhD in Electrical Engineering or Power Electronic Engineering, focused on Power & Energy
- Fluent in French and English
- Ability to work in a multidisciplinary team, outgoing personality
- Ambition to solve complex problems from a blank sheet
- Strong communication skills, committed to satisfy customers

Contract type: Fixed

Rate of activity: 100%

Starting date: ASAP

We guarantee you to handle your application in total confidentiality

Consultant responsable du mandat : Nathalie Roche
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