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, magnets, 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 : Maxence Joly
Ref : JD930804925