Sécheron

Leading safety technology
for rail transportation

Are you looking for a new challenge?

Nous recherchons un(e)

Intership Control of Traction Energy Recovery Systems (6 Months)

During the internship, you will work with the Sécheron Inverter team to design and improve train energy recovery inverter control models. Train energy recovery inverters are designed to recover excess braking energy from the trains and inject it back to the AC network, improving the overall efficiency of the system.
You will also have a chance to support the software engineers on the implementation and later test of the algorithms according to the models. The tests will be performed in small scale replicas of the equipment in Sécheron's laboratory facilities.

Your Mission :

- Design and improve control models for energy recovery converters in Matlab/Simulink
- Develop and apply improvements to the control models
- Support software engineers in the implementation of the real time control algorithms
- Support software engineers in the evaluation of the performance of the algorithms
- Collborate with design engineers of various discrplines to improve control documentation and requirements

Your Profile:

- Basic knowledge of control of three phase inverters, including vector control and grid synchronization
- Proficient in Matlab / Simulink
  Understanding of high-order programming languages
- Fluent French and English

Your success in our globally operating company will be supported by an ambitious international team, excellent working conditions as well as a competitive compensation and benefits package.

Are you attracted by this opportunity? Please send your application to:

Sécheron SA
HR department
Rue du Pré-Bouvier 25 - 1242 Satigny - Geneva - Switzerland
hr.geneva@secheron.com - www.secheron.com

Let your talent join our ambitions to shape our common future !