

## **Controls Engineer - Automotive, Aerospace, Railway**

### **Your role**

“Automotive, Infrastructure and Transportation” is our dedicated division supporting automotive challenges related to globalization, mobility, environmental & modern industrial issues. We offer you an inspiring career opportunity to contribute to the development of high tech mobility solutions.

As experienced Controls Engineer, your responsibilities include:

- Defining, selecting and optimizing a mechatronic component or subsystem
- Ensuring the requirements on cost, quality and performance are met in order to ensure the feasibility of new technologies
- Modeling and identifying the parameters of the mechatronic component or system
- Developing new algorithms to control the mechatronic component or system using PIDs, state space controllers or advanced controllers testing the controller in a virtual environment using a plant model and on a test vehicle using a rapid prototyping environment
- Documenting control schemes and strategies
- Supporting the deployment on an industrial controller platform
- Taking part in various projects on theme clusters such as advanced controls, driver assistance & power conveyance.

### **Your profile**

- Master or PhD degree in Electro-Mechanical, Mechatronics or Mechanical Engineering with experience in controls in the automotive, aerospace or electric sectors
- 1 year of relevant experience in control system engineering
- Fluent in English and Dutch, French is a real plus
- Good knowledge of Matlab and Simulink (C & C++ are a real plus) or similar
- Good knowledge of rapid prototyping tools such as dSpace or similar