

Job Description: Control Engineer & HiL tests and development



Job title: Control Engineer, HiL development and tests

Location: Region of Liège, Belgium

Type: Full-time permanent Belgium contract

Industries: Automotive, e-mobility

Hiring date: now

Contact: Laurent Tricoche (laurent.tricoche@tekshift.de)

Company Description

Founded in 2012, TeKshift is specialized in developing embedded software and controls.

TeKshift relies on skilled people with a broad experience, mainly in automotive, using state-of-the-art development toolchains.

The mission of TeKshift is to provide control engineering solutions in the fields of motorsport, prototyping, niche market and mass production.

Job Description

TeKshift is seeking a Junior Control Engineer with a background and passion in Electric Vehicles and Hardware In the Loop (HiL) to join its team. As a Junior Control Engineer at TeKshift, you will be involved in the design, development, and tests of our advanced controllers of electric and hydrogen vehicles.

Key Responsibilities

- Work closely with the management team in the definition and procurement of projects
- Analyze existing solutions and provide new ideas
- Assist in the design and development of controllers for electric and hydrogen vehicles
- Develop the test set-up (plant models and control algorithms) according to the project requirements
- Perform Hardware-in-the-Loop (HiL) testing for the validation of the embedded control software
- Provide accurate feedbacks for design and integration improvements
- Assist in product pre-calibration at the HiL
- Keep up to date with industry trends and advances in control engineering and electric vehicles
- Liaise with the development team and management

Qualifications

- Master's degree in Mechatronics Engineering or related field
- 0-2 years' experience in Control Engineering
- Knowledge and experience with MATLAB/SIMULINK and code generation
- Good understanding of design processes and standards common in aforementioned industries
- Familiar with norms and regulations associated to the products
- Familiar with norms and regulations in the Automotive field
- Good understanding of system and components, good mechatronics skills.

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- Very good English skills.
- Proficiency in using standard PC office tools.

Personal qualities

- Excellent communication and teamwork abilities
- “Hands-on” approach
- Ability to keep a methodical approach to working under pressure and tight deadlines
- Result-driven, customer-oriented thinking
- Focus on quality and thoroughness

As a member of a small team, you will be involved in all aspects of our projects and grow in an experienced team.

We are looking for a candidate who is available to start as soon as possible. If you are a highly motivated individual with a passion for new mobility and motorsport, please apply with your CV and covering letter.