

Job Description:

Control Engineer - Electric Vehicles & VCU



Job title: Experienced Control Engineer

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 an experienced Control Engineer with a background in Electric Vehicles and VCU to join its team. As a Control Engineer at TeKshift, you will be responsible for designing, developing, and testing advanced controllers for our electric and hydrogen vehicles projects. You shall have high comprehension of system decomposition and physical modelling in order to translate this knowledge into robust control laws.

Key Responsibilities

- Work closely with the management team in the definition and procurement of projects
- Analyze existing solutions and provide new ideas
- Develop plant models and control algorithms according to the requirements
- Perform Model-in-the-Loop (MiL) and Hardware-in-the-Loop (HiL) testing and development
- Define vehicle test plans with measurable objectives
- Provide accurate feedbacks for design and integration improvements
- Conduct on-vehicle calibration
- 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 Mechatronic Engineering or related field
- Minimum 5 years' experience in Automotive controls
- An experience in Motorsport industry would be greatly appreciated

Skills

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

Personal qualities

- Excellent communication and teamwork abilities
- Strong analytical and problem-solving skills
- “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, with a high degree of autonomy and responsibility.

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.