

# Electronics

## Software: Low Voltage Systems



Green innovation meets performance

## Our Project

Formula Electric Belgium is a student-based race team that pushes green innovation to performance. We design and build our own electric race car each year to participate in international Formula Student competitions. We are looking for pioneers to challenge the status quo and bring our top-notch electric race car to the next level. As a postgraduate student, you will research, design, and test your systems together with a group of highly motivated students. You will innovate together with your team members and numerous companies to develop our next generation formula student race car.

## Function

As a **Low Voltage Engineer**, you will play a pivotal role in the development and optimization of the car's low-voltage systems, focusing on sensors and the Electronic Control Unit (ECU). Your expertise will drive the integration and functionality of the vehicle's electronic systems, effectively serving as the **"brain" of the car**.

Key Responsibilities:

**ECU Optimization:** Refining ECU code to efficiently process sensor data and optimize algorithms for vehicle performance.

**Sensor Integration:** Overseeing the hardware and software installation of sensors, ensuring seamless data acquisition and operation.

**System Architecture:** Collaborating on race car algorithm architecture and working with the CAN protocol to ensure reliable vehicle communication.

## Up for the challenge?

You think you're the right person for this job? Don't hesitate to submit your resume and cover letter at our website:

<https://formulaelectric.be/join-us-postgraduate/>

## Profile

- Bachelor/Master Engineering Science, Engineering Technology or equivalent
- Broad technical insight
- Well-organised
- Team player
- Effective communication

## Returns

- A unique engineering experience
- Developing your hard- and soft-skills in a company-like environment
- Work with the newest technologies and innovative companies
- Work in a team with a network of well over 120 partners
- A summer season packed with competitions all over Europe
- An experience of a life-time!