

Electronics

High Voltage Engineer



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 High Voltage Engineer, you will work on the electric powertrain of the vehicle, which can deliver up to **80 kW** to four electric motors operating at **600 V DC**.

You will be responsible for the **development, integration, validation**, and **maintenance** of the high-voltage systems, including electric drives, electric motors, and high-voltage connections throughout the vehicle.

You will work in close cooperation with the **Powertrain Department**, which is responsible for the mechanical aspects of the motors, drives and the battery system.

High-voltage components are among the most hazardous systems in the vehicle; therefore, this role requires a **strong safety-oriented mindset** and a high level of responsibility.

Profile

- Bachelor/Master Engineering Science, Engineering Technology or equivalent
- Basic knowledge of electronics
- Effective communication
- Strong attention to safety

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!

Up for the challenge?



Submit your **resume** and **motivation letter** (one page) to
recruitment@formulaelectric.be