

Electronics

Hardware: Battery 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 an Electronics Hardware Engineer, you will design, assemble and test PCBs, embedded systems and the electrical connectivity for our electric race car.

The **Battery Engineer** will be primarily responsible for the design and manufacturing of the vehicle's **High-Performance Battery Pack**. This includes choosing appropriate cells, designing and producing High-Power PCBs and making sure the battery complies to the Formula Student Rules.

Collaboration with mechanical departments, such as Powertrain, is essential for this position, as they will play a key role in the mechanical aspects of the battery pack.

As the team's Battery Engineer, you will work with high currents (up to 120 A) and high voltages (600V), requiring a strong focus on **safety and responsibility** at all times.

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
- Basic knowledge of electronics
- Interests in PCB design with industry software (Altium)
- Strong attention to safety
- 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!