

Electronics

Hardware: Harness Design 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 **Harness Design Engineer** will be primarily responsible for designing, developing and optimizing the vehicle's wiring harness and cable systems. This is one of the **most pivotal aspects** of ensuring the car's **reliability**, as the harness forms the backbone of all electrical connectivity. Your role involves efficient routing, ensuring robust connections, and adhering to safety and performance standards.

Furthermore, **close collaboration** with the Chief Mechanics and other departments is required to ensure seamless integration of the 3D wiring harness into the car's assembly.

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 and Harness design with industry software (Altium, Siemens Capital)
- Attention to detail
- 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!