

ELECTRONICS

Hardware: 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 the international Formula Student competitions. This year, 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, test your systems together with a group of highly motivated, ambitious students. You will work together with your team members and numerous companies to develop new innovations.

Function

As a hardware engineer, you will design, assemble and test printed circuit boards and embedded systems in our electric race car.

For the high-voltage hardware engineer, this concretely means designing the setup of the car's drives and battery, choosing the right cells, designing and producing the high-power PCBs, making sure the battery is compliant to the Formula Student rules.

You will also have to collaborate with the mechanical department to make sure everything fits in the casing. In any case, as the team's high-voltage engineer, you will have to work with high currents (120 A) and high voltages (600V), which means you will have to work safely and responsibly.

Profile

- Bachelor/Master Engineering Science, Engineering Technology or Business Engineering
- Good basic understanding of electronics
- Interests in PCB design with industry software
- Interest in the technical side of the project
- Eye for detail

Returns

- Experience in a unique field of expertise
- Gain exposure to cutting-edge technologies and industry-leading organizations
- Possibility to network and cooperate with international stakeholders
- A summer packed with international racing competitions!

Up for the challenge?



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