

Chassis

Ergonomics 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 Chassis Engineer, you will be responsible for the design and integration of the monocoque and its associated components into the total assembly. The work will primarily involve using Siemens NX 3D CAD software to design the monocoque and its related components while maintaining strict adherence to safety, performance, and competition regulations.

In addition to the monocoque, this role includes the design and production of several critical components of the car, particularly those related to ergonomics and driver interaction. These components include:

- **Pedalbox:** Designing an adjustable, lightweight, and durable pedalbox that optimizes driver comfort and control.
- **Steering Wheel:** Developing a steering wheel that integrates driver feedback systems, buttons, and ergonomics tailored to the driver's needs.
- **Seat:** Designing a custom-fit seat that ensures driver safety, support, and comfort during high-performance driving.
- **Firewall:** Creating a firewall that complies with safety regulations while being lightweight and effectively integrated into the monocoque.
- **Other Ergonomic Components:** Ensuring proper design and placement of all driver-interfacing components such as harness mounting

Profile

- Bachelor/Master in Engineering Science, Engineering Technology, or related field
- Knowledge of ergonomics and driver-centric design
- Experience in designing components like firewalls, seats, and steering wheels
- Proficiency in CAD software

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?

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/>