

# Composites

## Monocoque 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 the **Monocoque Engineer**, you will collaborate closely with the Material Engineer in simulating **CFRP lay-ups** and **zone based designs** for the Monocoque. This collaboration is critical to align design and production processes, minimising weight, and ensuring safety compliance across the car.

Key responsibilities will also include **close collaboration with the other departments** to ensure all components fit within the build. Using Siemens NX 3D CAD software, you will create a **light-weight, reliable design** that seamlessly incorporates all chassis related parts. Your work will ensure proper fitment, structural integrity, and compliance with competition rules.

### Profile

- Bachelor/Master Engineering Science, Engineering Technology or equivalent
- Eager to learn
- Hands on approach
- Knowledge of composite materials
- Experience with CAD

### 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](mailto:recruitment@formulaelectric.be)