

# Composites

## CFD 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

Join us as a CFD Engineer and take the lead on designing and optimizing the **aerodynamic package** of our formula student race car! You'll use **Siemens Star CCM+** software to simulate the airflow over the car and its various aerodynamic components, including a front wing, rear wing, and diffuser, to calculate drag and downforce. With your knowledge of CFD, you'll be able to iterate through a variety of design options to find the ideal solution, then **validate** your results on the track.

Not only will you be pushing the boundaries of aerodynamics, but you'll also have the opportunity to see your designs come to life as you **produce** and mount the components yourself! You'll need a basic understanding of composite structures and a hands on approach to bring your designs to the finish line. So, if you're a creative problem-solver with a passion for aerodynamics and composite structures, apply now for a career-defining role as our CFD Engineer!

### Up for the challenge?



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

### Profile

- Bachelor/Master Engineering Science, Engineering Technology or equivalent
- Willing to learn quickly about fluid dynamics and race car aerodynamics
- Hands on approach
- Knowledge of composite materials
- Some 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!