

Aerodynamics

Structural 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 our aerodynamics department as Structural Engineer and play a vital role in ensuring the **strength, stiffness, and reliability** of our aerodynamic components. You'll design the mounting systems and expertly determine the lay-up of composite components to meet the demands of high speed racing. Using advanced **FEM simulations** and real-life testing, you'll verify the performance and safety of your designs.

As a Structural Engineer, you'll also have the chance to push the boundaries of aerodynamics by exploring **composite manufacturing methods** to reduce weight and improve performance.

If you're a creative problem-solver with a passion for both aerodynamics and structural engineering, then we want you to be part of our team. Apply now for a career-defining role that will challenge your engineering capabilities!

Profile

- Bachelor/Master Engineering Science, Engineering Technology or Business Engineering
- Willing to learn quickly about composite manufacturing techniques and race car aerodynamics
- Hands on approach
- Basic knowledge of composite materials
- Basic Knowledge of CAD

Returns

- Experience in an 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