



Powertrain Drivetrain engineer

Green Innovation meets performance

Our Project

Formula Electric Belgium is a team of engineering students who build a **Formula-Student racecar** to compete in international competitions. We design and build a brand-new car every year and compete with other teams in multiple worldwide competitions during the summer months. Formula Student is by far the biggest **engineering competition** in the world and continues to grow. From next year on, we will be competing in both the **electrical** and **driverless** competition. You can join the project during one or two years by applying for the '**Postgraduate in Innovation and Entrepreneurship in Engineering**'.

Tasks

The drivetrain is one of the most complex aspect of the car and extends from the electrical engine to the wheel. Each year the design of those parts are a major challenge and to tackle it, students are needed who are willing to delve into this complexity.

You are mainly engaged in designing and optimizing an **electric motor**, your own **gearbox** and **structural components**, such as a self-designed rim heart to hold the whole together and connect the motor to the wheel.

A great interest and understanding in the subjects "Machine Parts" and "Production Technology" is a great asset to this position.

Profile

- Knowledge about bearings, gears and shafts and their tolerances
- Knowledge about the production processes of gears and milling
- Basic knowledge about electrical machines
- Interest in new CAD/FEM-software (Siemens NX)

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?



Subscribe for our recruitment mail on www.formulaelectric.be/recruitment and submit your **resume** and **motivation letter** (one page) to recruitment@formulaelectric.be