



Composites

Driver seat and steering wheel

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 as a volunteer. This allows you to contribute to the next race car whilst keeping a flexible schedule.

Tasks

Ergonomics is key for a driver to get the maximum **performance** out of our electrical race car. In this case we'll take a look at our **steering wheel** and **driver seat**.

Both the steering wheel grip and driver seat could be designed by making use of 3D scanning techniques. In these designs, **driver compatibility** should be taken into account since our car is driven by several drivers. Designing, for example, just one wheel interchangeable between these drivers would put us ahead of competition. Furthermore, the design of the seat should be revisited.

The volunteer would design, produce and assemble a light-weight steering wheel and driver seat that is compatible with our current design of the monocoque.

Profile

- Knowledge about engineering technologies in production
- Problem solving skills (creativity)
- Team player with a goal to learn
- Knowledge about mechanical design
- Experience in CAD design

Returns

- A unique engineering experience
- Applying your engineering skills in the real world
- Developing your hard- and soft-skills in a company-like environment
- Work in a team with young motivated engineers

Up for the challenge?



Want to perform a similar case study within the team? Submit your **resume** and **motivation letter** (one page) to volunteers@formulaelectric.be