Composites

Movable padalbox

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 **padalbox**.

For now, our **self-made** padalbox is rigidly connected to our chassis, however, the system should be made movable to increase driver compatibility. Furthermore, the design should be revisited to get an understanding of the system and to look for weight-saving opportunities before production.

The volunteer would design, produce and assemble a light-weight dynamic mounting system that is compatible with our current design of the padalbox.

He / she gets the freedom to work separately under supervision of a Composites engineer to implement the system into the car.

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