Software
Telemetry Application

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

A Formula Student car is a **complex** machine where many systems have to work together. But, of course, not every system is perfectly **adapted** yet to our specific car.

It is an art to perfectly **calibrate** every system to get the most out of the car. This is what our vehicle dynamics department works on; they do a test drive to get information out of the car and see how the car **performs** and after **analyzing** this data they update the system parameters to see how this impacts the following test drives. To quickly read out all the data we use an **MQTT** server to which we constantly send data through **4G**. Create a **web application** where we can visually see all this data and even adapt some parameters.

Profile

- Programming knowledge
- Web development
- Out-of-the-box thinker (creativity)
- Team player with a goal to learn

Returns

- A unique engineering experience
- Contact with companies at the leading edge of technology
- 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