



Electronics Telemetry

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

Electronics is an important part of the car. Without it you will be able to roll the car but you can't drive it. But there is also a lot of information to be gathered. This **data** needs to be easily readable with some kind of telemetry system.

Your task will be to design part of this telemetry feature. This telemetry has got two parts. One is to send the data gathered in the ECU to the **cloud** with a 4G module or via wifi.

The other part is to get this data from the cloud and put it in a nicely **readable format** so that we can access the data on our laptops/phones.

He/she gets the freedom to work separately under supervision of an electronics engineer.

Profile

- Knowledge and small experience about sensor processing
- Knowledge about general electronics
- Knowledge about general software
- Problem solving skills (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