



# Electronics

## ECU

## Green innovation meets performance

### Our Project

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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

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**Electronics** is an important part of the car. Without it you will be able to roll the car but you can't drive it. The central part of this car is the ECU, in this ECU all the **algorithms** of Vehicle Dynamics are run.

The interface of the dashboard is controlled in the ECU as well. Your task would be to program this **interface** so that we can read out the data of the ECU as well as being able to turn certain algorithms of vehicle dynamics so that we can test the car in a variety of ways.

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

### Profile

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- Knowledge and small experience about sensor processing
- Knowledge about general software
- Problem solving skills (creativity)
- Team player with a goal to learn

### Returns

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- 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?

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