



# Electronics Dashboard

## 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. It is also important to give the driver in the car as much **feedback** as possible. This can ensure the car to perform as optimal as possible.

We do this through **buttons** on the dashboard and on the steering wheel as well as a monitor screen on the dashboard.

Your task would be to design and build the dashboard. This means placing the buttons and programming the ECU so that the correct buttons can start the correct functions.

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 electronics
- 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)