



Electronics Push to Talk

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. In the car we would like to have a push to talk system that allows the driver to **communicate** with the team.

As well as the team that can talk to the driver, this allows for crucial updates about the cars **performance** as well as small adjustments of the drivers driving style.

Your task would be to design and implement a **module** that the driver can use for this push to talk communication.

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
- 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