



Vehicle Dynamics

Steering

Green Innovation meets performance

Our Project

Formula Electric Belgium is a student-based race team that pushes green innovation to performance. We design and build our own electric race car each year to participate in the international Formula Student competitions. This year, we are looking for pioneers to challenge the status quo and bring our top-notch electric race car to the next level. As a postgraduate student, you will research, design, test your systems together with a group of highly motivated, ambitious students. You will work together with your team members and numerous companies to develop new innovations.

Function

As a Vehicle Dynamics engineer, you will be responsible for all aspects regarding the handling of the vehicle. This consists of designing the suspension and steering system, determining spring rates, choosing a good set-up, all while ensuring that the design is rule-compliant.

You will be in charge of designing the steering system of next year's car. Since we are working towards one car that is able to drive autonomously and with a driver, you will design a system where you will include a steering actuator to the steering system. Make sure that these work well together, while keeping an eye on the added weight of the overall system.

You will have close contact with the kinematics engineer, to make sure the vehicle keeps having the right characteristics.

Profile

- Bachelor/Master Engineering Science, Engineering Technology or Business Engineering
- Hands on approach
- Basic knowledge of vehicle dynamics (control theory, wheel angles, steering and suspension geometry)

Returns

- Experience in a competitive environment
- Deep insight in a double wishbone suspension
- Combining a regular and an autonomous car
- Gain exposure to cutting-edge technologies and industry-leading organizations
- Possibility to network and cooperate with (motorsport related) stakeholders
- A summer packed with international racing competitions!

Up for the challenge?



Submit your **resume** and **motivation letter** (one page)
to recruitment@formulaelectric.be