

STRATEGY

AGORIA SOLAR TEAM



THE PROJECT

The goal of the project is to build the tenth Belgian solar car. With this car, you will participate in the world championship for solar cars in Australia, the Bridgestone World Solar Challenge 2023. You will go through the whole process of designing, producing, testing and racing, together with a group of ambitious and motivated students. With numerous companies, you will develop new innovations to build the most efficient solar car. In the end, you and your team will compete against universities from all over the world to compete for the first place. This project will help you become a state-of-the-art engineer!

THE FUNCTION

You will be responsible for the preparation and execution of the race strategy during the Bridgestone World Solar Challenge 2023. From the start of the project, you will focus on the race and how to prepare the team for it. You will do this by supporting others in supplying data and making design choices, pushing everyone to the limit on a technical level and by organizing race simulations. You yourself will code the strategy program and the integration of data monitoring, automate the use of satellite images and experimentally determine the parameters of the car on test tracks and in the wind tunnel. During the race it is up to you to determine the speed of the solar car based on the weather forecast, live satellite images, the consumption of the car and the route to follow.

YOUR PROFILE

- An outgoing, entrepreneurial attitude
- Broad analytical thinking skills
- A motivated team player with strong communication skills
- A creative, out-of-the-box mindset with an eye for detail
- Bachelor's or master's degree in engineering technology or (bio-)engineering sciences
- Ready to put a lot of time and effort into this project!
- A healthy interest in programming is a bonus

OUR OFFER

- Taking the lead in making strategic decisions during the race
- A project full of experiences you don't get in your normal studies
- Experiencing a real engineering project and its different phases
- Being in contact and cooperating with the largest companies in the industry
- A group of friends and an international racing adventure to remember
- The experience of a lifetime and so much more!