STRATEGY

INNOPTUS SOLAR TEAM

THE PROJECT

The goal of the project is to build the eleventh Belgian solar car. With this car, you will participate in the world championship for solar cars in Australia, the Bridgestone World Solar Challenge 2025. 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 2025. From the start of the process you will focus on the race and how to prepare the team for it. You will do this by supporting the other team members in providing data, making design choices, pushing everyone to the limit on a technical level and by organizing race simulations. You are responsible for designing, maintaining and testing software to support the strategy during the race. This software will calculate the optimal strategy throughout the race and monitor real-time data from the car. Furthermore, you will refine the models used for the car and experimentally define 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 weather forecasts, live satellite images, weather sensors, the consumption of the car, the route, etc. and above all your common sense!

YOUR PROFILE

- An extroverted, enterprising attitude
- A motivated team player with strong communication skills
- Broad analytical thinking
- A creative, out-of-the-box mindset
- High degree of independence and professionalism
- Bachelor's or master's degree in engineering technology or (bio-)engineering sciences
- Experience with programming
- Ready to put a lot of time and effort into this project!

OUR OFFER

- 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!

Interested? Send your **CV** and **motivation letter** to **recruitment@solarteam.be!**