

# STRATEGY

## INNOPTUS SOLAR TEAM



### THE PROJECT

We contribute to the future of mobility. Innovation has always been our cornerstone to create the best solar car in the world. This year, we are looking for pioneers to challenge the status quo and bring our top-notch solar car to the next level. 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 further improve 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 in an international race in 2026. 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 an international race. 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 the other team members in providing and analyzing data, making design choices, helping the entire team to maximize the car's performance. 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. Together with the Digital Twin Engineer, you will refine the mathematical models that describe the car and experimentally define its parameters on test tracks and in the wind tunnel. During the race, you determine the optimal speed of the solar car based on weather forecasts, live satellite images, weather sensors, the car's power consumption, the route profile, traffic, 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
- Enthusiast to put a lot of passion, time and effort into this project!

### OUR OFFER

- Playing a key role in 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
- An extensive network and collaboration with leading companies in the industry
- A group of friends and an international racing adventure to remember
- The experience of a lifetime and so much more!