

DIGITAL TWIN

INNOPTUS SOLAR TEAM



THE PROJECT

Join the team building Belgium's 12th solar car! Are you looking for an experience of a lifetime? A project where you don't just sit in lectures, but build something from the ground up and see it come to life?

As part of the Innoptus Solar Team, you work with a group of ambitious and motivated students to build our best solar car yet and compete at the Bridgestone World Solar Challenge 2027 in Australia; the world championship for solar cars. You go through the entire process: designing, producing, testing and racing. Together with numerous companies, you develop new innovations to build the most efficient solar car possible. In the end, you and your team line up against universities from all over the world and race for the world title.

This project will push you technically and personally – and help you grow faster than you could even imagine!

Interested? Apply on our website: <https://www.solarteam.be/en/recruitment>

THE FUNCTION

You will be part of the strategy department together with the strategist. You are responsible for the acquiring knowledge about the car based on models, simulations and tests. You will guide and support the other team members during the design phase of the car and provide crucial models and parameters to ensure optimal performance determine race strategy. You will aim to model all elements of the car in order to determine the behavior of the vehicle to simulate and explain. Examples of projects include the model for measuring the incoming power of the solar calculate and optimize the panel, analyze data from previous races (such as the fin), find a solution to deal with the uncertainties of weather forecasts and weather sensors. You will be able to experiment with your models determine and validate in climate chambers and on test tracks!

YOUR PROFILE

- 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/Master's degree
- 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 from start to end
- Main role in making strategic choices during the race
- 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!