.AGORIA SOLAR TEAM

www.solarteam.be
recruitment@solarteam.be
+32 16 32 97 91
Andreas Vesaliusstraat 13, 3000 Leuven

AERODYNAMICS ENGINEER

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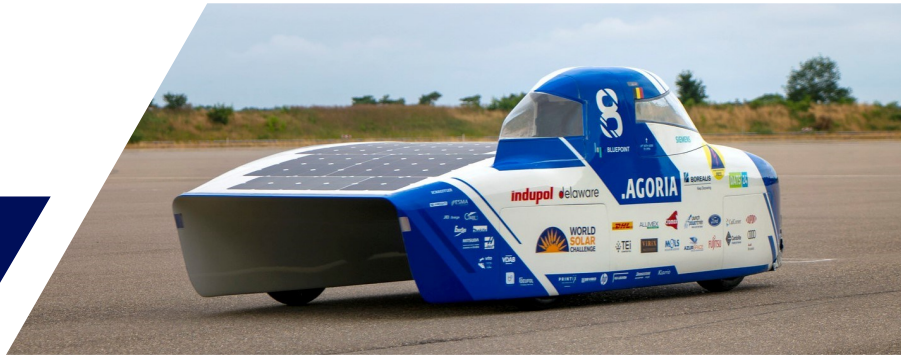

THE PROJECT

The main objective of the project is to **innovate** and **optimize** a solar car and participate in an international Solar Challenge. Your goal is to bring the solar car to the next level and make it even more competitive to win the world's most extreme solar car races and beat other solar car teams from all over the world. You will have to go through the process of **researching**, **designing**, **prototyping** and **testing** your systems together with a group of highly motivated, ambitious students. You will work together with numerous companies and a vast network of Solar team alumni to develop new innovations. This project will help you become a state of the art engineer!

THE FUNCTION

After being selected, you will complete one or more projects in line with your interests and skills. As **Aerodynamics Engineer**, you will go through the following phases:

1. RESEARCH PERIOD

You will get to know how a solar car and its components work. You will broaden your knowledge by reading relevant literature, learning to work with pervasive simulation software and interacting with state-of-the-art companies.

2. DESIGN PERIOD

Your main focus is to achieve the lowest possible air resistance for your design. You will receive training from previous team members to learn how to draw and simulate your models with exclusive software.

3. TESTING PERIOD

After the design, you will extensively test your components to make sure it works flawlessly, reliably and as expected. You will meet experts in the field of aerodynamics and test your theoretical design in a wind tunnel.

4. RACE

You will go on an international trip to compete in one of the extreme races for solar cars. Here your designs will be implemented and used to beat solar car teams from all over the world.

YOUR PROFILE

- General feeling with aerodynamics phenomena and how to influence them
- A creative mindset to come up with solutions to decrease the aerodynamic resistance
- CFD knowledge is a plus
- Highly motivated team player
- Able to work independently
- Able to make contact with companies in a professional way
- Be ready to make a solid time and effort commitment to this project

OUR OFFER

- Discover true engineering from concept to execution and measure up to the world class teams
- Graduate with more experience than any other engineering student
- Contact and collaborate with leading companies in the industry
- Broaden your professional network
- The experience of your lifetime and so much more!

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