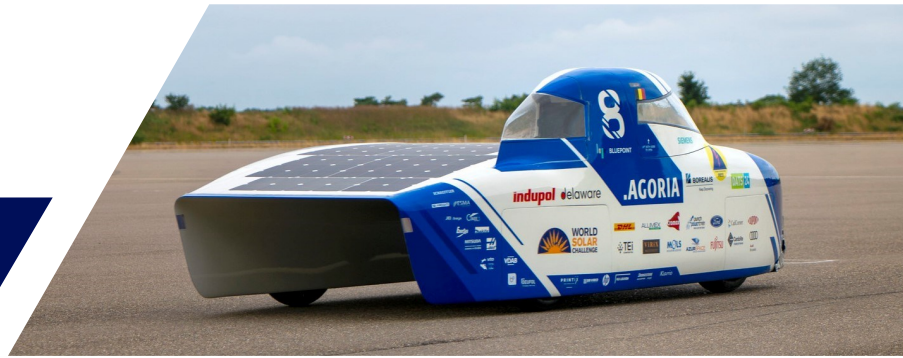


# ELECTRICAL ENGINEER

## AGORIA SOLAR TEAM



### 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 **Electrical 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 which can help you to reach your goal.

#### 2. DESIGN PERIOD

You will design and optimize your project, keeping reliability, efficiency and weight in mind. To achieve this you will use exclusive software packages.

#### 3. TESTING PERIOD

After the design, you will produce your project and perform tests to validate the expected behaviour.

#### 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

- An extended interest in both electromechanics and electronics
- The ability to distinguish the priority of different tasks
- Highly motivated team player
- Bachelor or master degree in Engineering Technology, Engineering Science or Business Engineering
- Able to work independently
- Able to make contact with companies in a professional way
- Be ready to make a solid time 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!