

## HIGH VOLTAGE ENGINEER

# 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 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 your team members and numerous companies to develop new innovations.

After completing the improvements to the solar car, these will be put to the test in an international competition against other top teams from around the world. Past competitions have included one in Chile and one in South Africa. Improving a world record has also been achieved by one of the previous teams.

## THE FUNCTION

As a High Voltage engineer, you take responsibility over the power-train of the car. You will understand its components and look into detail what can be improved in terms of efficiency and reliability. Plenty of options here: designing and building a new custom motor for optimal driving circumstances during your race, looking for the best new opportunities in an evolving battery market, improve the internal solar energy harvesting in our solar panel ... Your own input in delivering the best car in terms of energy efficiency is very much required! You will work closely together with the Low Voltage engineer in the Energy department.

## YOUR PROFILE

- \* Motivated team player with strong communication skills
- \* An entrepreneurial attitude
- \* Huge interest in electro-mechanics, batteries and power-trains
- \* Soft skills to initiate collaboration with companies
- \* A creative, out-of-the-box mindset
- \* A bachelor or master degree in Engineering Science or Engineering Technology
- \* 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!