

# PUNCH POWERTRAIN SOLAR TEAM

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## MECHANICAL SYSTEMS

### THE PROJECT:

The objective of the project is to build the eighth Belgian solar car and participate in the Bridgestone World Solar Challenge. You will have to build a competitive solar car to beat the best universities of technology in the world. You will go through the process of designing, building, testing and racing a race car together with a group of ambitious students. You will work together with numerous companies to develop new innovations. This project will help you become a state of the art engineer!

### THE FUNCTION:

As a member of the mechanical systems department, you are responsible for designing, producing, assembling and testing all the solar car's mechanical parts, being: suspension, steering system, braking system, solar array tilting system,...

#### **Design period**

You will work with exclusive software packages to simulate all acting forces on the solar car and to draw and optimize each mechanical component. You will need your mechanical insight to achieve a smart, light and reliable design.

#### **Production period**

You will be in contact with professional milling companies to make your design become a reality.

#### **Assembly period**

You will assemble the more than 500 parts according to your design. You will thoroughly test each system at exclusive proving grounds to achieve a race-ready solar car.

### YOUR PROFILE:

Highly motivated teamplayer

Bachelor/master Engineering Technology or Bachelor/master of Engineering

Ability to work independently

### 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
- Get trained in specialized courses and software, used all over the world
- Contact and collaborate with leading companies in the industry
- A racing adventure in Australia during the Bridgestone World Solar Challenge
- A lot of fun events from both the Solar Team and partners
- The experience of your lifetime and so much more!

## INTERESTED?

**Send your RESUME and MOTIVATION LETTER to**

**[recruitment@solarteam.be](mailto:recruitment@solarteam.be)**