



# Mechanical

## The Subsystem

The Mechanical Subsystem is responsible for everything that moves in the car.

From efficient wheel hubs and compact custom suspension to reliable steering and strong brakes, we design and build every component that keeps the car stable, fast, and safe.

Our focus is on reliability and ultra-low rolling resistance — nothing grinds, nothing breaks, because every bit of friction costs energy and time.

## Our Tasks

- Design, simulation, and optimization of all mechanical systems using Siemens NX
- Manufacturing and assembly of mechanical components
- Static and dynamic testing to validate design choices
- Maintenance and repair of the mechanical systems during races

## Your Requirements

- Enthusiasm for the project
- Ability to work on your own and show initiative
- Ability to develop your own ideas and solutions
- High level of commitment and motivation
- Ability to work in a Team environment
- Basic knowledge of Siemens NX

## We Offer

- Gaining practical experience and develop engineering skills
- Ability to take ownership and shape the outcome of the project
- Interaction with Industry partners
- Being part of a interdisciplinary, close-knit team
- Participation in the World Solar Challenge: THE Adventure of your studies

## Application

Apply by filling out our Application form.

Scan the QR-Code or click below

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**NCE**  
SOLAR  RACING