



AERODYNAMICS

The Subsystem

The Aerodynamics team is responsible for shaping the new vehicle, with few constraints on creativity. We take the lead early in the process because air resistance, the vehicle's largest loss factor, is our main area of focus. Still, close collaboration with other Subsystems is essential to ensure the sun car is not only highly aerodynamic but also technically feasible. We not only optimize the design of our car but also always try to optimize our workflows and methods.

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
- Experience with Aerodynamics, CFD, CAD, Fluid Dynamics, High performance computing is advantageous but not required

Our Tasks

- Generate concepts for different shapes
- Design different shapes using NX
- Set up and conduct CFD Simulations using the ETH Computing Cluster
- Administration and development of our Cluster Integration
- Develop automated optimization processes

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.

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