



Open position – Aerodynamics

Design

YOUR DEPARTMENT

The Aerodynamics department designs the shape of the new vehicle. There are few limits to creativity. We come first the solar cars design process because our adjusting factor, the vehicle's air resistance, is the biggest factor in energy loss. Nevertheless, we have to work closely with the other departments to be able to build a super aerodynamic and technically feasible solar car.

YOUR TASK

Within the aerodynamics department, your task is to design the outer shell of the next Solar Car in Siemens NX and to optimise it for the lowest possible air resistance. This must comply with the regulations of the WSC and have enough space for all components of the other departments, but also be as aerodynamic as possible at the same time. This also includes trying out new innovative design elements, e.g. to ensure more stability in crosswinds.

Once the design is complete, the whole team will also have to manufacture the Sonnenwagen 5 you designed and prepare/carry out a wind tunnel test.

WHAT YOU BRING TO THE TEAM

- Enthusiasm for the project!
- Ability to work independently and in a team
- High level of commitment and motivation
- Initial experience and knowledge with CAD as well as with general fluid mechanics is advantageous

WHAT WE OFFER YOU

- Development of one of the most efficient solar cars in the world
- Opportunity to apply your theoretical knowledge in practice and implement your own ideas in an exciting environment
- Use of CAD within the scope of a demanding project
- Contact to potential employers and the development of a professional network (in industry and research)
- THE experience of your studies!

APPLICATION

Please apply exclusively via the application form on our website:

www.sonnenwagen.org/join



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