



Open position – Structural Components

Materials

YOUR DEPARTMENT

The structural components department is responsible for the design, development and manufacturing of the solar car's load-bearing structural elements and bodywork, which not only ensure driver safety but also optimise the vehicle's performance. We select composite materials to minimise vehicle weight and ensure structural integrity, mainly through fibre composites. In addition, we take responsibility for the manufacturing of the FRP components, which is carried out entirely in-house by our team. In the structural department of Sonnenwagen Aachen, we offer you the opportunity to design your own solar racing car from scratch.

YOUR TASK

Weight plays a very decisive role in a solar racing car. Therefore, it is important to choose materials with which the lightest possible result can be achieved. You will use fibre composites in sandwich construction and collect important material data for the development and manufacturing of the FRP components by means of tests. You will also test processes and procedures so that the knowledge gained can be used directly in the manufacturing phase of the next Sonnenwagen. This means that you will have a great influence on the choice of materials and the manufacturing process. You will be in contact with institutes and companies for the testing of material data.

WHAT YOU BRING TO THE TEAM

- Student in mechanical engineering, business engineering, material engineering or a comparable field of study
- High level of commitment and motivation
- Ability to work independently
- Initial experience and knowledge with FRP- Manufacturing is advantageous
- Enjoy working in a highly motivated, creative team

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
- 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



Apply now!

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