

Aerodynamics



© FSG - Schulz

Thermomanagement Motor/Inverter (CAD, CFD, 1D-Simulation)

Job description

The electrical powertrain is a huge performance-factor of our race car. It enables us to reach strong acceleration values. To be able to extract this performance consistently during the whole race, motors and inverters need to be cooled adequately. Therefore, we are searching for someone who is interested in the constructive and simulative design of a water cooling circuit.

What will be your tasks?

- Designing water cooling circuit for electromechanical components
- Collaboration on cross-group tasks (such as testing, manufacturing)
- Participation in group and team meetings

What are our requirements?

- Preferably studying Mechanical Engineering, Physics, CES
- Good understanding of thermodynamics and heat transfer
- Ideally previous knowledge of CAD, CFD Simulation and 1D-simulation
- Willingness and dedication to the project
- Fluent knowledge of English

If you are interested, please fill out the application form on our homepage.
We will give you feedback on your submission as soon as possible.