

Hybrid Rocket Fluid System Engineer

Propulsion Team

About Space Team Aachen

The Space Team Aachen is a space science association founded by students of the Aachen universities. Our team is formed of ambitious students from a variety of fields who share the fascination for space exploration. Our team designs, builds and flies experimental rockets and scientific experiments. We set high, challenging goals in order to reach our best performance. We believe in equality and stand for the exchange of our aggregated knowledge.

Your responsibilities

You will be working on Aachen's first hybrid rocket aiming to reach 10 km in altitude as part of the DLR STERN program. As part of the propulsion team, you will design the fluid systems necessary to control the oxidizer flow inside the rocket. Your tasks include:

- Designing the valving and tubing assembly inside the hybrid rocket
- Selecting the adequate sensors, valves and tubes for our fluid systems.
- Designing the ground station necessary to fuel the rocket with oxidizer before launch
- Defining testing procedures
- Performing pressure, cold flow and hot fire tests

Project begin: immediately

Our requirements

- High motivation & reliability
- Highly structured and organized way of working
- Fascination for rocket science
- Experience with sensors and data acquisition preferable
- Experience in handling of Swagelok parts is a plus
- Knowledge of English and German

What do we offer

- Gain insights on the development of the largest rocket project in Aachen
- Work on hands-on space project
- Contact with experts in Aachen, DLR and industry
- Be a part of the team designing a hybrid rocket engine and play an active part in future engine tests
- See your project be built and launched in near future

Interested?

Send your CV and a motivational letter to spaceteamaachen@gmail.com

