Electronics Development

AQUIS Nanosatellite Project

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 join project AQUIS at STA and help develop, manufacture and test the first STA Pocketqube satellite, a Nanosat of 5x5x5cm and 250gr launch mass. You will be responsible for the on-board electronics, which will include:

- Research about PocketQubes and their subsystems
- Definition of technical requirements
- Active work on the satellite's Electrical Power System and On-Board Computer
- Hard- and/or software design
- Electrical schematics and PCB design
- Component selection and manufacturing
- Definition and execution of tests

Our requirements

- Student at RWTH or FH Aachen
- High motivation and reliability
- Ability to take responsibility and work independent
- Motivated to research new topics and find justified practical solutions
- Strong communication skills
- Fluent in English and/or German

What do we offer

- Hands-on experience in designing, manufacturing and testing our own satellite
- Contact with experts from ILR and industry
- Involvement in exciting projects in an innovative and disruptive industry
- Interdisciplinary teamwork in a highly motivated team
- Application of your theoretical knowledge in practice
- Become part of a fast growing student association

Interested?

Send your CV and a motivational letter to **application@sta.rwth-aachen.de**

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SPACE TEAM AACHEN