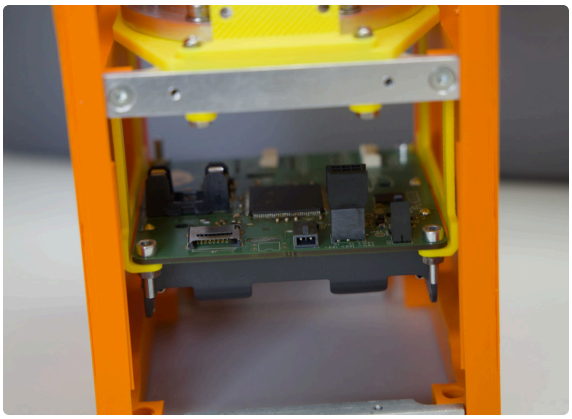
Join Space Team Aachen

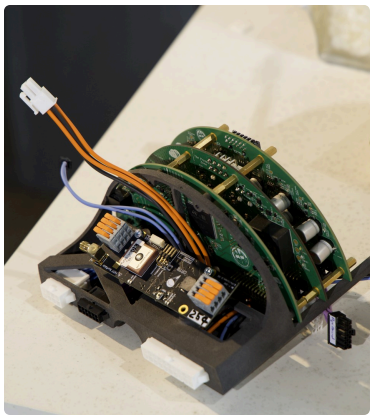
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PCB Design Rookie

IKARUS | Avionics Team







About Space Team Aachen

The Space Team Aachen is a space science association founded by students of the Aachen universities. Our team is made up of ambitious students from a variety of disciplines who share a fascination with 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 foster an open culture of shared knowledge.

Your responsibilities

Never designed a PCB? No problem. The IKARUS rocket needs its own flight computer, sensor boards and power electronics, and we want to train the next generation of PCB designers. An experienced instructor teaches you KiCad, soldering and testing step by step – you bring the drive to learn fast.

Your tasks may include:

- Learning PCB design in KiCad with guidance from your instructor
- Designing your first boards for the rocket, from schematic to layout
- Soldering and assembling the boards (SMD and THT)
- Testing and debugging boards with multimeter and oscilloscope
- Supporting the integration of the electronics into the rocket

Our requirements

- No PCB design experience required
- Self-taught mindset: you learn fast and look things up on your own
- Willing to invest extra time at the beginning to build up the skills
- Basic understanding of electronics (e.g. from studies or hobby projects)
- Available for at least two days per week
- Able to work independently and in a team
- Fluent in German and English (written and spoken)

What we offer

- Be part of an association with over 200 active members working on some of the largest student aerospace projects in Europe
- Personal training by an experienced instructor
- Learn PCB design from scratch on real flight hardware
- See your first PCB fly on a rocket
- Participate in the biggest rocketry competition in Europe and have fun!

Interested?

Send your CV (and a short motivation) to application@sta.rwth-aachen.de

Space Team Aachen e.V.
Email: application@sta.rwth-aachen.de
Web: www.spaceteamaachen.de

Registergericht: Amtsgericht Aachen
Registernummer: VR 5991

SPACE TEAM AACHEN