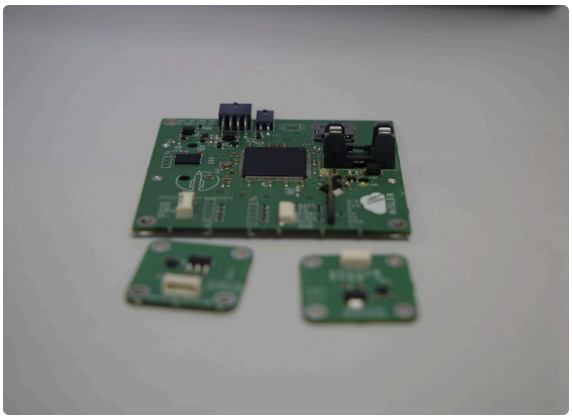
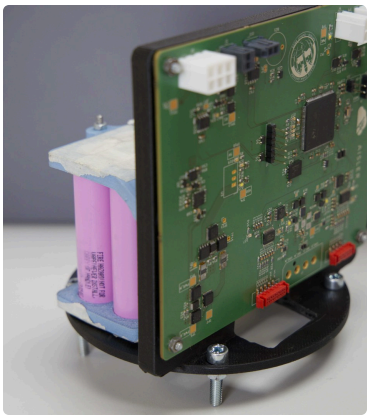
Join Space Team Aachen

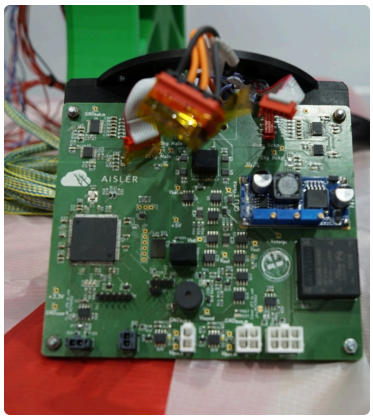
ad astra ex aachen

PCB Design Engineer

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

The IKARUS rocket needs its own electronics: flight computer, sensor boards, power distribution and telemetry. We design the majority of these in-house instead of relying on off-the-shelf alternatives – and you take them all the way from schematic to the launch rail.

Your tasks may include:

- Deriving requirements and designing schematics
- Laying out the boards in KiCad and taking ownership of complete designs
- Soldering and assembling the boards (SMD and THT)
- Bring-up and testing: power-on, measurements, debugging
- Making the boards flight-ready for vibration, shock and integration into the rocket
- Reviewing designs and mentoring new team members

Our requirements

- Experience in designing PCBs (university, job or own projects)
- Preferred: experience with KiCad
- Preferred: specialty in power, RF or analog design
- Available for at least two days per week
- Able to work independently and in a team
- Fluent in German and English (written and spoken)
- High motivation and reliability

What we offer

- Be part of an association with over 200 active members working on some of the largest student aerospace projects in Europe
- See your own PCBs fly on a rocket
- Responsibility for complete boards: requirements, schematic, layout, assembly and test
- Hands-on work with soldering and lab equipment
- 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