

Position (m/f/d): Internship Satellite Testing  
Department: Space Development  
Full-time/Part-time/Student: Student  
Earliest starting date: ASAP

Contact: [florian.patzwahl@ororatech.com](mailto:florian.patzwahl@ororatech.com)

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## THE MISSION

Munich-based OroraTech is developing a constellation of nano-satellites with thermal infrared cameras for automated wildfire detection, severe weather warnings and many other applications, as well as its own microsatellite platform for in-house and customer missions.

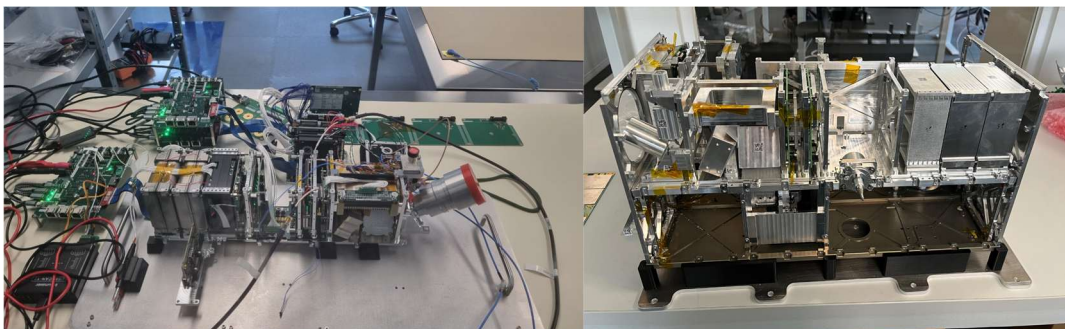
GENA-OT is a generic nanosatellite platform intended for In Orbit Validation where OroraTech will host several customer payloads (telecommunications, earth observation, science). Together with ESA and the payload customers we are now ready to assemble the satellite and test it: electrically make sure that the satellite has all interfaces in place and there are no interferences or other issues, test all the satellite functionalities and operations together with the software team, support the thermal vacuum testing and the shaker to ensure the satellite will survive the launch mechanical environment and the space environment, etc.

## WHAT YOU'LL BE DOING

As an intern you will:

- Play a key role in the preparation and testing of our GENA-OT satellite. You will live the final months before shipping the satellite to the launch provider
- Be one of the last individuals to touch the systems before launching them into space
- Support planning and performing the satellite's on-ground software and performance test campaigns
- Support planning and performing the satellite's on-ground environmental test campaigns, including vibration, thermal, and vacuum tests
- Prepare integration procedures and test documentation.

How the satellite looks like now:



How the satellite will look:

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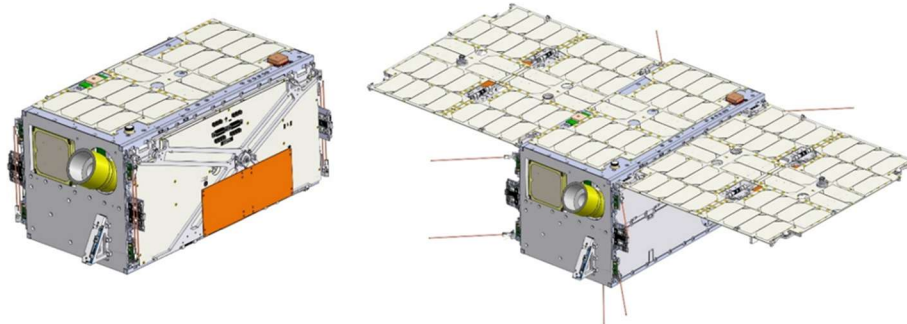
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## RELEVANT SKILLS

- Pursuing a degree in Electrical Engineering, Aerospace Engineering, or a comparable qualification.
- Experience in electronics testing and hands-on
- Programming skills, e.g., scripting-level Python.
- Skilled in handling mechanical parts and electronic systems.
- Basic knowledge of a satellite and its subsystems
- Proactive attitude towards problem-solving while maintaining high-quality standards.
- Ability to communicate fluently in English with an international team.

**Additionally**, the following skills are beneficial for the role:

- Experience in electronics design
- Experience with SolidWorks CAD tools
- Experience in rapid prototyping, e.g., 3D printing or laser-cutting
- Experience with space tests and qualification standards

## WE OFFER

At OroraTech you can expect a down to earth, yet high-caliber work environment. You will become an integral part of the OroraTech satellite development - a talented, international, open-minded team that is highly motivated to create impact. OroraTech gives you the opportunity to grow on a professional and personal level. Benefits include:

- Attractive office and modern labs in Munich (obviously including free snacks/drinks/coffee)
- Flexible working time. Take care of your family? Late sleeper? Early riser? We can make all of that happen
- A responsible position with individual autonomy and design freedom
- Learning opportunity in a real ESA-funded Space mission with experts in their field guiding your work
- No idle-tasks, you only do things that actually make a difference, every day