

# Testing, Maintenance and Quality Internship in Drone Delivery

**Location:** Prilly-Lausanne, Switzerland

RigiTech is an exciting high-tech startup developing a fully-integrated, inter-city drone delivery solution. It enables universal access to goods for communities and businesses through efficient drone-based deliveries. Started in September 2018, we are a dynamic young team of entrepreneurs dedicated to creating technology for the service of humanity.

## Description and objectives

RigiTech is looking for passionate Engineering Interns to join our Customer Success team and help translate the product and performance goals of our systems into reality.

This role requires great people skills, a proactive mindset, a get-things-done attitude, and excellent communication skills. Ideal candidates have a passion for aviation and technology and an academic background in aviation safety, certification or engineering.

As our design and business are moving at a lightning pace, we encourage you to get in touch with us to see what next challenges you can get involved in. We tailor-design each internship based on the candidate's skills, academic background, and personal objectives. Currently, we have openings across three core operational areas: Testing, Maintenance, and Quality.

## All tracks

- **Flight testing:** Actively support flight testing operations, including test definition, preparation, and on-field execution.
- **Cross-functional collaboration:** Work cross-functionally to ensure safety and performance standards are met across all operations.
- **AI Integration:** The proactive use of AI tools is encouraged when applied with a professional and rigorous engineering mindset to streamline workflows and solve complex problems.

## Track 1 - Testing Engineering Internship

- **Test definition and execution:**
  - Define, execute, and create detailed reports for hardware, software, and system tests.

- Take ownership of specific testing projects based on current needs (past examples include parachute reliability, structural integrity, flight dynamics, and battery endurance).
- **Component validation:**
  - Support the R&D process by evaluating and validating new components, such as batteries.
  - Dive into the architecture of our drones and participate in the safety and airworthiness process.

## **Track 2 - Maintenance Engineering Internship**

- **Fleet support:** Provide hands-on support for routine and corrective maintenance on our active drone fleet.
- **Process improvement and harmonization:**
  - Analyze, update, and improve existing maintenance processes and technical documentation.
  - Harmonize maintenance procedures with our production team to ensure seamless lifecycle management.
- **Programme validation:**
  - Test and validate new maintenance procedures and the overall maintenance program, based on technical requirements (e.g. mean time before failure of electronic components, vibrations, environmental conditions, etc.).

## **Track 3 - Quality Engineering Internship**

- **Process optimization:** Refine the Quality Management System (QMS) and internal compliance documentation to meet aerospace standards.
- **Test bench development:** Design, build, and implement custom test benches to validate subsystems and components.
- **Automation and tools:** Identify bottlenecks and spearhead the automation of quality assurance processes.

## **Required qualifications and skills**

### ***Qualifications:***

- BSc or MSc in Aerospace, Aeronautical, Mechanical, Electrical, Mechatronics, Robotics, Systems Engineering, or a related field.
- A valid driving license.
- Excellent communication skills in English, both written and verbal. Other languages (especially EU languages like French or Spanish) are a strong plus.
- Prior experience with drones, RC aircraft, or aviation is a plus.

**Soft Skills:**

- Highly organized, independent, and detail-oriented.
- Happy to take initiative and come up with your own ideas.
- Flexible and adaptable to the ever-changing demands of a startup environment.
- Ability to multi-task and prioritize in a very fast-paced environment.

**Other benefits and/or compensation**

Working at Rigi means getting your hands dirty - from flight testing around Lausanne to deploying projects throughout Europe and the world. Be ready to see the direct benefits of your work.

**Application**

Send us your CV and Motivation letter to [hr@rigi.tech](mailto:hr@rigi.tech)