

Position	Mechanical Engineering Intern	Starting Date	3 rd March 2025 (or later)
Duration	6 months	Workload	80-100%
Location	1350-Orbe, CH	Issue Date	07.10.2024

Description

The Countdown Company is offering an open position for a mechanical engineering intern capable of supporting our team on a wide spectrum of technical challenges spanning over multiple industries such as space, aeronautics, watchmaking, food, and automation. The intern will be expected to help on projects from the early design phases, through manufacturing, integration and testing.

Responsibilities

The intern shall be asked to provide support in the following tasks:

- Perform solution studies & root cause analysis
- Propose a mechanical design fulfilling the required functions while satisfying the available budget
- Use a CAD software to design and size the system
- Perform static and dynamic analytical and/or numerical analysis to validate the design
- Handle the procurement of mechanical parts
- Manufacture parts for the future assembly of the system (opt.)
- Assemble and integrate the system (opt.)
- Perform a test campaign and analyze test data
- Document the work in technical reports and presentations

Profile

- Master / Bachelor in mechanical engineering / microengineering or equivalent (HEs)
- Self-motivated person, having participated in technical extra-curricular projects (student teams), or having completed personal technical projects involving hands-on work related to position.
- Work efficiently and autonomously in projects requiring multiple engineering skills
- Interest for the aerospace industry is recommended
- Fluent in English (mandatory), fluent in French (recommended)

Working environment

The Countdown Company promotes proximity between designers, analysts, system engineers, manufacturing and test engineers. Our team members are also encouraged to get involved in all the phases of a project's development process: from specification definition, design, analysis, manufacturing and assembly, all the way to testing and reporting.

We offer a unique opportunity to perform hands-on work in a non-corporate and pluridisciplinary environment, participating in projects of different scales for various industries: aerospace, watch making, food and special machine development. In addition, the intern will have the opportunity to experience firsthand the sales and management process of technical projects.

The Company's facilities are established in Orbe, Switzerland, where workshop and engineering office share the same roof. Our workshop is located on the ground floor, with all the necessary equipment for machining and integration. Then, all the activities related to our engineering office take place upstairs.

Application process

1. Documents to prepare:
 - o CV
 - o Motivation letter
 - o Project portfolio (opt.)
2. Send an email to info@tcdc.ch, with the requested documents attached.