

Position	Mechanical Engineering intern	Starting Date	~ June 2025
Duration	6 months	Workload	80-100%
Location	1350-Orbe, CH	Gender	Any

Job overview

The Countdown Company is offering an open position for an internship in mechanical engineering, covering a wide spectrum of challenges spanning over multiple industries.

The candidate will support the development of tailored mechanical systems, involving multiple aspects of mechanical engineering.

Projects' scope varies from optimizing existing machinery to developing new special machines, requiring teams from one to three engineers. The candidate is expected to work on several projects in parallel.

Working environment

The Countdown Company is a mechanical engineering office developing tailored mechanical systems for the aerospace, watchmaking and food industries.

We promote proximity between the different fields of mechanical engineering, offering a unique opportunity to perform hands-on work in a non-corporate and pluridisciplinary environment. We also encourage employees to explore all phases of a project's development process.

The Company's facilities are located in Orbe, Switzerland. With a workshop on the ground floor and an office on the first floor, all tools required for product development are vertically integrated.

Find out more about The Countdown Company on our [website](#) and on [LinkedIn](#).

Application process

Contact us at info@tcdc.ch with a resume and a motivation letter.

“Join us to tackle the industry's most complex challenges.”

Responsibilities

The internship covers the following tasks:

- Support the development of mechanical systems, ensuring compliance with specifications and quality standards.
- Participate in all engineering phases of system development: specification, design, analysis, manufacturing, testing and commissioning.
- Explore all mechanical engineering fields in system development: structure, drive, pneumatics, hydraulics, automation, and safety.
- Use CAD software to draw detailed designs, drawings, and complex assemblies.
- Support the dimensioning of mechanical structures and elements.
- Support feasibility studies and analysis to evaluate design concepts.
- Support in validating design concepts and performance criteria through prototyping and testing of mechanical components and assemblies.
- Take part in design reviews, project meetings, and cross-functional discussions.
- Support planning and participate in manufacturing, assembly and integration activities.
- Support sales team to determine potential project feasibility and provide costs breakdown.
- Support interactions with suppliers.
- Support the redaction of technical documentation (presentations, reports, manuals, procedures, ...).
- Stay updated on industry trends, emerging technologies, and best practices in mechanical design and manufacturing.

Basic qualification

- Participation in a complex product's development, demonstrating technical excellence.
- Proficiency in French and English, German is a plus.

Preferred skills and experience

- Experience with SolidWorks (incl. PDM).
- Knowledge of Finite Element Analysis (FEA) for structural analysis
- Experience in a workshop environment.
- Experience with prototyping, testing, and validation of mechanical components and systems.
- Strong will to develop problem-solving skills and attention to detail, with a focus on delivering high-quality solutions.
- Ability to work effectively in a collaborative team environment, with excellent communication and interpersonal skills.
- Driving license (cat. B) recommended; cat. BE is a plus.