

Position	Mechanical Analyst	Starting Date	TBD
Duration	Permanent	Workload	100%
Location	1350-Orbe, CH	Issue Date	18.01.2023

Description

The Countdown Company is offering an open position for an analyst engineer capable of taking on a wide spectrum of challenges spanning multiple industries such as aerospace, healthcare and automation. The candidate will be expected to perform analysis tasks for various projects within the company. She or he will demonstrate competencies with common CAE softwares and scripting languages. The candidate is expected to be autonomous and structured in her or his work and have a "can do" attitude when faced with new challenges.

Responsibilities

The candidate shall be asked to:

- Jump in complex systems and identify key elements to analyze
- FEM modelisation (Hyperworks): complex assembly, composites layup.
- Language FEM (MSC Nastran, Optistruct)
- Mechanical: static, modal, transient, dynamic, (opt.) buckling
- Thermal and thermo-mechanical (opt.)
- Electro-magnetic (opt.)
- Perform and automate data analysis with MATLAB, Python and/or Excel
- Validate structural designs through analytical static and dynamic analysis
- Propose informed modifications to designers
- Document work in technical reports and presentations
- Communicate progress, results and recommendations to client

Profile

- Master's in mechanical engineering
- Self-motivated person, able to demonstrate a curious and passionate attitude for engineering through exceptional investment in professional or personal projects
- Can demonstrate prior experience with software named above or similar
- Interest for the aerospace industry is recommended

Working environment

The Countdown Company promotes proximity between designers, analysts, systems engineers, manufacturing and test engineers. We also encourage employees to explore all the phases of a project's development process: from defining the specifications, designing, analyzing, manufacturing and assembling, all the way to testing and reporting.

This is a unique opportunity to perform hands-on work in a non-corporate and pluridisciplinary environment, participating in projects for various industries such as aerospace, healthcare and automation. In addition, the employee will experience first-hand the sales and management process.

The Company's facilities are established in Orbe, Switzerland. Our offices are located in the loft area of a garage space. Products are designed, engineering services are provided and the whole company is run all within this area. Our workshop is located on the ground floor, with all the necessary equipment for machining and integration.

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

Application process

1. Documents to prepare:
 - o Resume
 - o Cover letter
 - o Project portfolio (opt.)

2. Fill the form:

<https://forms.gle/wChctyqvQCWc1Uqq9>