

Partner in Innovation Supplier of Engineering



VALUES.



Technical Excellence

Functional and optimized solutions for complex systems



Innovation

Young minds close to most recent technical processes and academic work



Responsiveness

Competitive mindset, ready to answer challenges with tight schedule



Flexibility & Agility

Tight-knit pluridisciplinary team solving problems

TAILORED SERVICE

The Countdown Company offers a large spectrum of services. While the complete process describes how we develop a functional prototype from scratch, feel free to simply pick the expertise your project requires.

Specifications & Feasability

Feasability study **Design review Technical specifications** System engineering plan

Preliminary Design

Mechanical system design CAD

Motor dimensioning Fluid mechanics Continuum mechanics Custom physics model

In Depth Design & Analysis

Tolerance analysis Modal and structural FEM Electromagnetic FEM Thermal model & FEM Control system C/C++/Python development

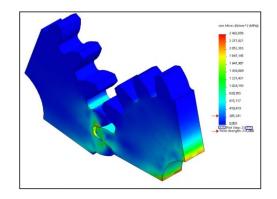
Manufacturing & Assembly

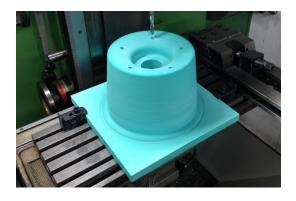
Machining & Welding Mechanical adjustement System integration Assembly procedures

Testing & Reporting

Validation plan Test procedures Test setup and execution Technical report Metrology







HISTORY

The Countdown Company finds its roots in the EPFL Rocket Team, today among the university's most popular student technical associations. We shared a unique engineering and entrepreneurial experience taking us overseas at the Spaceport America Cup in New Mexico, USA, in 2018.

Ever since then, we kept building up our strength as a team tackling complex challenges and developing high quality engineering solutions. From this adventure emerged the Countdown Company, an engineering office bringing your ideas to life.

VISION

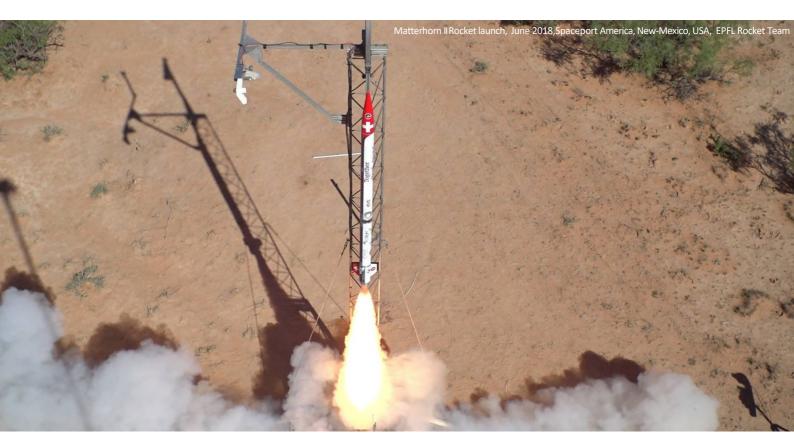
Space technologies brings us together, fascinates us and pushes us to explore new horizons. We believe that the best engineers must master the complete development process of a product from definition, to design, analysis and all through manufacturing. At the Countdown Company we aim to deliver these skills in a convenient package tailored to your need.

The various academic and professional backgrounds of our members allow us to boost a wide range of engineering projects in the domain of space, aeronautics, automobile and industrial robotics.

Installation & Commissioning

On-site system integration **On-site commissioning** Week-end interventions





Get in touch for a fast quote



 \bigoplus the count down company.ch



info@tcdc.ch

Ľ,

in The Countdown Company

+41 (0) 24 441 01 24