

Our client is an engineering consultancy specialized in the field of numerical simulation.

Active across multiple sectors, the company supports its clients and partners — including major industry leaders in the Liège region — on various R&D projects. Driven by strong values, it is recognized for its expertise and responsiveness.

For one of its key clients located in Mont-Saint-Guibert (Belgium), we are actively looking for a **Structure Engineer – Mechanical Calculation**.

Structure Engineer – Mechanical Calculation

RESPONSABILITIES

As a Structural Engineer, you will be responsible for performing mechanical analysis of critical components for space systems, working closely with design, assembly, and testing teams.

- **Perform** structural finite element analyses (**FEM**) on satellite or embedded components.
- **Conduct** static, dynamic, thermal, and fatigue simulations on complex structures.
- **Interpret** the mechanical behavior of various materials (metals, composites, polymers).
- **Contribute** to the mechanical validation of structures through simulations and test-model correlation.
- **Collaborate** with design, integration, and testing teams to optimize structural performance.
- **Utilize** simulation tools such as **Ansys**, **Nastran**, or **Abaqus** with high technical accuracy.
- **Document** analysis results through detailed and traceable technical reports.
- **Apply** industry standards and regulations, including ECSS, NASA, or similar.

PROFILE

- You hold a **master's degree in mechanical or aerospace Engineering** (or equivalent).
- You have at least **3 years of experience in structural analysis** in a demanding technical environment.
- You are proficient in **FEM tools** such as Ansys, Nastran, or Abaqus.
- You understand the behavior of materials under complex loading conditions.
- You communicate fluently in **English**, both written and spoken (working language).
- You demonstrate scientific rigor, autonomy, and a strong team spirit.

INTERESTED?

Send your CV along with a cover letter via [URL] or to recruitment@pahrtners.be.

VOTRE CANDIDATURE SERA TRAITÉE EN
TOUTE CONFIDENTIALITÉ.