



GAIA

AEROSPACE

Structural Engineer (m/f/d)

Full-Time | Braunschweig, Germany | On-Site | Start: Q1 2027

GAIA Aerospace is developing the world's first reusable air launch vehicle for the European space market. Our goal is to make access to space more flexible, cost-effective, and sustainable. To strengthen our team starting in early 2027, we are looking for a dedicated structural engineer who will play a key role in the development and design of our launch vehicle's structural components.

Your Mission

- Conceptualization, design, and FEM analysis of components for the Valkyrie launch vehicle
- Development of innovative lightweight construction solutions for high-stress aerospace systems
- Design and manufacturing of metallic structures and fiber-reinforced composite components
- Creation of CAD models, technical drawings, and development documentation
- Planning, overseeing, and evaluating structural tests
- Taking responsibility for your own assemblies and technical work packages

Your Profile

- A degree in mechanical engineering, materials science, aerospace engineering, or a comparable field
- Strong knowledge of structural mechanics, strength of materials, and lightweight construction
- Experience with calculation methods for structural elements and finite element methods (FEM)
- Knowledge of fiber-reinforced composites and their design
- Proficiency in using common CAD and simulation tools
- Structured independent work style as well as strong teamwork and communication skills
- Willingness to take on responsibility for technical systems and work packages
- Very good written and spoken English skills, good German skills is a plus

Space for Everyone

GAIA Aerospace is committed to building a diverse and inclusive environment. As an equal opportunity employer, all qualified applicants will be considered without regard to race, color, religion, sex, gender identity, genetic information, national origin, age or disability.

Apply now and send your application at:

career@gaia-aerospace.com