

# X A L E R I S

## Stress Engineering Rail / Aerospace (m/f/d)

We are an engineering firm based in Munich. Our team currently consists of 7 engineers with backgrounds in aerospace, rail technology, mechanical engineering, as well as space technology. We assist our clients in areas such as:

- Design (2D, 3D, Kinematic Analysis, Metallic and FRP Structures)
- Simulation (Statics, Fatigue, Dynamics, Crash)
- Aerodynamics (CFD)
- Production and Technology Consulting
- Testing (Planning, Support and Documentation)

The nature of our projects ranges from a "blank slate" to "end-of-life" topics. This includes everything that can arise throughout the lifecycle of a railway vehicle, aircraft, or helicopter.

### Scope of responsibilities:

- Development of new vehicle technologies (aerospace, rail vehicles)
- Dimensioning and strength calculations using FEM (Finite Element Method) and classical hand calculations
- Preparation of strength assessments for certification purposes
- Specification, supervision, and documentation of strength tests
- Project handling in collaboration with clients and certification authorities
- Main deployment in Munich, business trips depending on project scope

### Expectations:

- Completed technical degree (university / technical university / technical college)
- Experience with FEM software, preferably ANSYS, NASTRAN (PATRAN or FEMAP), and classical hand calculation methods (HSB, Bruhn, FKM, etc.)
- Experience in working with metal and composite components
- 3-5 years of experience in the field of static and cyclic strength calculations (motivated entry-level candidates also welcome)
- Language skills: German and English, both spoken and written
- Precise and structured work approach
- Team player

### We offer:

- Involvement in the entire process of new and complex vehicle development
- Independent and self-responsible work within a flat hierarchy
- Opportunities for professional advancement
- Taking over partial projects



[www.xaleris.com](http://www.xaleris.com)  
[career@xaleris.com](mailto:career@xaleris.com)