



**AUTOMOTIVE.
COMPOSITE.
SOLUTIONS.**

STRUCTURAL DESIGN (CAE) ENGINEER AUTOMOTIVE & AEROSPACE

LOCATION MUNICH/ GERMANY
FOR IMMEDIATE HIRE | PERMANENT CONTRACT

Forward Engineering (FE) is a trusted partner for holistic and sustainable product development in the automotive and aerospace industry. The global FE team supports our client partners with comprehensive design, system engineering, material and process know-how in the field of technical and fiber-reinforced polymers, functional lightweight construction and CAE-supported multi-material design optimization. Bringing together our global network of material manufacturers, technology providers and tier suppliers enables the resource efficient and cost-effective implementation of new and emerging technologies.

YOUR FUNCTIONS

- Planning, implementation and support of development projects
 - Concept development, concept evaluation and methodical component optimization
 - CAE-supported component and layer structure optimization taking production aspects into account
 - Conducting material characterization and material modeling with external partners
 - Comparison of simulation and test (at coupon, component and assembly level)
 - Support of development projects through the integration and support of external CAE partners, e.g. in the area of complete vehicle simulation
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YOUR PROFILE

- Several years of experience in the simulation and optimization of lightweight structures
- Very good knowledge of LS-Dyna (or comparable explicit solver)
- Good knowledge of body development/vehicle construction and structural optimization
- In-depth knowledge of common pre- and post-processing programs such as e.g. B. Hypermesh & Hyperview
- Good knowledge of material behavior and material models of metals and composites is an advantage
- You work in a goal- and problem-solving-oriented manner, are strong in coordination and motivate your project team
- Business fluent language skills in English and German
- Flexibility, willingness to travel and motivation for international projects
- Confident demeanor and high level of personal competence in advising customers
- High ability to work in a team, as well as very good presentation and communication skills

THE FORWARD OFFER TO YOU

- Responsible tasks in an innovative environment
- Great conditions in an open-minded, collegial team
- A flat, project oriented and responsive organizational structure able to respond quickly to customer and market requirements
- Individual, attractive opportunities for your development in a growing business
- Flexible working hours and use of home office
- Company pension scheme, performance-related bonus payments, capital-forming benefits

We are looking forward to your comprehensive application.

Required documents: CV, certificates
Please understand that we can only accept applications via e-mail to:

career@forward-engineering.com

Forward Engineering GmbH

www.forward-engineering.com

