



Comprehensive development service  
from a single source

## CAE & Simulation: Taking up, evaluating and utilizing technology

### CAE & Simulation

With our extensive expertise in the fields of CAE & Simulation, we can get your product concept ready for series production quickly and cost-effectively. Lists of ambitious product characteristics and increasingly tight development times make it necessary to use effective CAE tools and enlist the services of experienced specialists.

Our CAE & Simulation department ensures maximum reliability in virtual development. Whether CAE-driven component development, weight optimization or complex system analysis, you are in safe hands with us.

### Individual solutions in CAE & Simulation

Our passion is virtual assessment of your products in all facets. In this context, it is our goal to cut development costs and to shorten development times and testing periods.

We provide comprehensive development support in the following areas:

- Passive safety
- Model assembling
- Stiffness and strength
- Vibrations and acoustics
- Fatigue strength and durability
- Multi-body simulations
- Fluid dynamics and thermal simulation
- Software and methods development
- Structural mechanics
- Electromagnetic simulation
- System simulation
- Theseus-FE software

### YOUR ADDED VALUE

- *Reduce development costs*
- *Shorten development and testing periods*
- *Many years of expertise, ranging from CAE-driven component development through weight optimisation to complex system analysis*