



## Computational Engineer – FEM Expert / Berechnungsingenieur (m/w/d) (80-100%)

Take your next career step at ABB with a global team that is energizing the transformation of society and industry to achieve a more productive, sustainable future.

At ABB, we have the clear goal of driving diversity and inclusion across all dimensions: gender, LGBTQ+, abilities, ethnicity and generations. Together, we are embarking on a journey where each and every one of us, individually and collectively, welcomes and celebrates individual differences.

As part of our global traction team, you will be performing and reviewing calculations for engineering solutions for applications such as locomotives, railcars and trams as well as trolleys and electric buses. Reporting to the Team lead of Mechanical Engineering and collaborating with colleagues worldwide, you will be involved in many of our projects and make an essential contribution to our success.

### Your responsibilities

Apply state-of-the-art strength calculation methods, tools and engineering practices for a wide range of traction components

Analyze, verify, and review your own and others' calculations and compile reports and specifications for global project teams and customers

Support your colleagues with your expertise in the field of strength simulations and advise project teams on design and structural-mechanical matters

Collaborate with your teammates in defining and validating new calculation and evaluation concepts

Perform validation tests in our vibration laboratory on site

### Your background

University degree in Mechanical Engineering with preferably a major in structural mechanics

Experience in component design and performing strength calculations (CAD/CAE applications)

In-depth knowledge of the finite element method (FEM simulation), both theory and practical application

Independent way of working with a high quality standard and reliability

Enjoy working with colleagues and customers around the world with the same goal of creating solutions for challenging

requirements  
Strong written and spoken communication skills, English at least B level, German advantageous

More about us

ABB Traction is the leading provider of traction technologies, driving innovation in rail and e-mobility. Our traction, auxiliary and energy storage solutions make transportation easier, saving energy every day. Our people and culture are the foundation of our success. All of us together make the difference for our customers every day.

We look forward to receiving your application. If you want to discover more about ABB, take another look at our website [www.abb.com](http://www.abb.com).

ABB Data Privacy Statement:  
<https://new.abb.com/privacy-notice/candidate>

#LI-Hybrid

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