

thyssenkrupp is an international group of companies consisting of largely independent industrial and technology businesses with around 96,000 employees. In the 2021/22 financial year, the group generated sales of €41 billion in 48 countries. With comprehensive technological know-how, the businesses and all employees develop economical and resource-saving solutions for the challenges of the future, especially in the areas of climate protection and energy transition, digital transformation in industry and mobility of the future. Under the thyssenkrupp umbrella brand, the group of companies creates long-term value with innovative products, technologies and services and contributes to a better life for future generations.

Calculation / Development Engineer FEM (m/w/d)

thyssenkrupp rothe erde Germany GmbH, Lippstadt

thyssenkrupp rothe erde is the world's leading manufacturer of large-size diameter bearings and one of the largest manufacturers of seamless rolled rings used in a wide range of industries. More than 6,000 employees process 15,000 tons of steel into tailor-made solutions every month. Working closely with our customers, we develop products that are unique in terms of design, material quality and performance. With us you contribute to the fact that everything keeps turning and that worldwide.

In the bearing calculation department of thyssenkrupp rothe erde Germany GmbH, we are looking for a competent and committed employee to start as soon as possible. You take on responsibility right from the start and can contribute your own ideas.

Your responsibilities

- You will participate in the conceptual development of numerical evaluation procedures for bearing ring creeping analyses.
- Your task is to apply and to further develop FEM algorithms for dynamically transient contact analyses in ANSYS workbench.
- Moreover, you'll support our team in the programming and further developing of various calculation and design tools (material fatigue, contact mechanics, tribology).
- We're looking forward to your strong contribution in the development and the implementation tasks for cloud computing applications.
- Department and cross-department collaboration such as reporting and documentation are a part of your daily business as well as the cooperation in development projects with colleagues with the business unit worldwide.

Your advantages with us

- Long-term designed employment opportunities
- Flexible working hours, up to 50% home office time possible
- Competitive salary
- Individual development options: Training and further education opportunities, e.g. via the thyssenkrupp Academy
- Outstanding company pension plan
- Highest standards for occupational safety and health

Your profile

- You've completed a university degree in relevant engineering science (e.g. mechanical engineering) and have in depth knowledge into theoretical and mathematical topics.
- You've experience in dealing with professional FEM software (ANSYS) and first experience in technical mechanics, material fatigue, tribology and / or contact mechanics.
- You've initial programming experience (preferably MATLAB) and are interested to deepen your know-how in this area.
- You're strong in analytical skills and show a structured, independent and strongly solution-oriented way of working.
- You're characterized by your resilience and the ability to work in teams.
- Competent German language ability and good knowledge of the English language both in written and oral form round off your profile.

Your first point of contact

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