



Committed and with passion for precision we create digital reality solutions combining sensor, software, and autonomous technologies to empower a sustainable future.

As a **Simulation Engineer**, you'll help shape the next generation of Leica Geosystems' high-precision products. By using advanced multi-physics simulations and virtual prototyping, you'll turn complex engineering challenges into innovative solutions long before the first physical prototype is built.

Simulation Engineer (m/f/d)

Heerbrugg  100%

This appeals to you

- Support product development through multi-physics numerical simulations (structural linear/non-linear, shock & drop, thermal, fluid, electromagnetic, and multi-body dynamics)
- Collaborate with Hexagon teams worldwide to accelerate innovation and development cycles
- Set up high-accuracy FEA models tailored to precision instrument requirements
- Contribute to research and technology projects focusing on simulation-driven development
- Develop and refine simulation methods and modelling techniques to continuously expand our capabilities
- Build automated toolchains and evaluation pipelines using scripting (e.g. Python)
- Evaluate, benchmark, and advance commercial and open-source solvers to meet specific application needs
- Work in a highly specialized international simulation team, collaborating with experts from various engineering disciplines

This is you

- University degree (or equivalent) in Mechanical Engineering, Electrical Engineering, Applied Physics, or a related field
- Minimum of 3–5 years of experience in numerical simulation (FEA, multi-physics, or related areas)
- Solid understanding of physics and numerical methods
- Experience in mechanical design and productisation is an advantage
- Experience with or an affinity for process automation (e.g. Python scripting)
- Knowledge of MSC Software tools, LS-DYNA and Siemens NX is beneficial
- Strong communication skills with an interest in mutual learning and knowledge sharing
- Passionate about simulation engineering and motivated by solving complex technical challenges
- Fluent in English; German is nice to have
- Hands-on, proactive, with a collaborative mindset while also being able to work independently

We offer you

- Flexible annual working hours based on a 40-hour week, with 100% employment
- Vacation entitlement: 25 days from the age of 20, 27 days from the age of 40 and 30 days from the age of 50
- Hybrid working model
- Bonus system and extra-mandatory pension fund contributions
- Individual training opportunities (internal and external)
- Various discounts (Health, Car, Entertainment and much more)
- Employee events
- Flat hierarchy structure
- Warm and international corporate culture based on respect and cooperation

[Here](#) you can find more information about us as an employer.

About us

Hexagon is a leading provider of digital reality solutions and employs more than 17,000 people in 50 countries. You will be part of a strong, experienced, inspiring and motivated team of experts working together to shape the future of Hexagon. You can utilise and develop your skills in our highly innovative and diverse environment. Flexible working models allow you to ideally combine your professional and private interests.

Contact

If you have any questions, please do not hesitate to contact [Romina Kwandt](#), Talent Acquisition Partner.

APPLY NOW

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