Achieve more with KROHNE

KROHNE

measure the facts

Join KROHNE's Innovation and R&D Hub in Ankara!
KROHNE is a **globally recognized manufacturer and supplier for process instrumentation**, known for delivering cutting-edge solutions in industrial measurement technology. With **established R&D sites in Germany, the Netherlands, and the UK**, we are now **expanding our innovation ecosystem by opening a brand-new Innovation and R&D Hub in Ankara, Türkiye**.
Our Innovation and R&D Hub in Ankara will play a **critical role** in the development of next-generation **sensor technologies, digital twins, and industrial measurement solutions**. We are looking for talented engineers and scientists who are eager to shape the future of measurement technology in an **international and collaborative research environment**.

KROHNE Türkiye is looking for a

R&D Engineer – Simulations Expert for Computational Fluid Dynamics

We are building our team at the Innovation and R&D Hub Ankara! If you are passionate about cutting-edge technology and hands-on engineering, this is your chance to play a key role in developing and maintaining advanced measurement and instrumentation systems that drive the development of groundbreaking sensor technologies in an innovative environment.

Your main responsibilities:
As an R&D Engineer – Simulations Expert with focus on Computational Fluid Dynamics (CFD), you will:
- Develop advanced sensor systems, covering electrical, electromagnetic, electromechanical, and ultrasonic functionalities.
- Optimize sensor performance by deeply understanding measurement principles and sensor technologies by CFD simulations.
- Design and operate experimental setups to validate system performance.
- Ensure accuracy and reliability of measurement results by applying correction and compensation algorithms.
- Simulate flow dynamics and turbulence effects in sensor systems.
- Enhance sensor accuracy by applying CFD-driven design optimizations.
- Improve flow conditioning strategies to ensure measurement reliability in industrial environments.
- Collaborate in international cross-functional teams to integrate CFD insights into product development.

Your qualifications:
- Master's or PhD Degree in Physics, Mechanical Engineering, Aeronautical Engineering or a related field.
- Minimum 5 years of relevant experience in R&D, and instrumentation development.
- Experience with CFD simulations (ANSYS Fluent, COMSOL, or similar tools).
- Fundamental programming skills (Python or MATLAB for data processing).
- Team player with an international mindset and willingness to collaborate globally in a cross-functional team.
- Proficiency in English (written and spoken).

If interested, please send your CV with a cover letter stating your salary requirements in PDF format to: Didem Tamtunalı • Innovation Manager • rndturkey@krohne.com   **www.krohne.com**

- No travel restrictions.
- In possession of a Class B driver's license with active driving experience.
- Strong analytical and problem-solving skills with a high level of attention to detail and a systematic approach to work.
- Strong interpersonal skills, excellent verbal and written communication abilities.
- Well-developed representation and presentation skills.
- For male candidates, military service must be completed or deferred.
- Adaptable to flexible working hours.
- Residing in Ankara.

Optional:
- Experience with industrial sensor design.
- Experience with flow measurement principles
- Hands-on experience with measurement equipment.
- Knowledge of CAD tools like SolidWorks.
- Understanding of various sensor technologies (temperature, strain gauges, hall sensors, etc.).
- Several years of professional experience in sensor design and analysis.

Apply now to be part of a cutting-edge innovation and R&D team in Ankara!

On www.krohne.com you'll find additional information about our organization.
For details, please contact Didem Tamtunalı, Mail: rndturkey@krohne.com.