



Mirion Technologies (AWST) GmbH in Munich, part of Mirion Medical, offers services in the field of radiation protection and dosimetry. As an official individual monitoring service with 70 years of history, it carries out dosimetry measurements to ensure compliance with occupational health and safety limits for occupationally exposed persons working with ionizing radiation. With more than 170 000 monitored individuals, it is the largest service in Germany and Europe.

BeOSL technology is used for the measurement of ionizing radiation and the associated products such as dosimeters and read-out equipment are proprietary developments of Mirion Technologies (AWST) GmbH, which are marketed worldwide under the Dosimetrics brand.

Under the brand of Instadose a next generation of dosimeters based on Direct Ion Storage (DIS) technology developed by Mirion Technologies will be introduced to turn individual monitoring into a fully digital service.

Mirion Technologies (AWST) GmbH is currently developing new IT solutions and hardware for passive dosimetry and preparing an introduction of Instadose technology for official dosimetry in Germany. New dosimeters under development include extremity dosimeters for photon and beta radiation for use in interventional radiology and nuclear medicine and a new Instadose dosimeter specially designed for the European Market.

For the development of new dosimetry technology and related IT solutions, Mirion Technologies (AWST) GmbH is looking for the following person to start as soon as possible as

## **Development Engineer for Measurement Software/ Hardware (f/m/d)**

### **Your tasks**

- Senior role in product development and optimization projects including project management, requirements definition and tracking, budget and resource planning and reporting.
- Development and improvement of algorithms for measurements, QA processes and data acquisition from dosimetry systems
- Implementation of algorithms in relevant soft- and firmware with the support of international IT teams.
- Integration and implementation of new products in existing SW systems

- Support re-design and improvement of electronical and mechanical technology building blocks through simulation and implement SW/FW changes
- Develop tools for statistical analysis of dosimetric data for system optimization and improvement
- Support development of Instadose and BeOSL radiation detection technology for new applications (e.g. neutron detection or new radiation protection quantities) through simulation and develop related algorithms and IT extensions.

### **Your qualifications**

- University degree in computational science and engineering, engineering informatics, computer systems in engineering, physics, electrical engineering, or equivalent
- The position is suitable for professionals who have collected at least 3 years experience in IT or R&D development projects either in industry or at the post-graduate level at the university. The candidate should have a specialization with a proven track record in at least one and a firm understanding of several of the following topical areas:
  - Algorithm development for measurement systems
  - Algorithm IT (SW/FW) implementation for measurement systems
  - Software programming (C++, Java, C#)
  - System optimization and automatization projects including PLC programming
  - Data analysis and statistical analysis and calculations for system optimization
- Additionally knowledge in the following topical areas is beneficial for the role:
  - Electrical engineering (Development of hardware and control software)
  - Firmware programming
  - Mechanical engineering and construction, CAD
  - Active and passive radiation detector technology and
  - Radiation protection, radiation physics, and medical technology

### **Your skills**

- Highly structured working method
- Goal oriented
- Teamplayer
- Ability to balance business and technical requirements
- Communicative person willing to engage with international customers, researchers and management.
- Written and spoken fluency in German and English

### **Your chances**

- You will experience a committed, cooperative and friendly team with flat hierarchies which challenges and encourages you.
- You will receive a thorough induction and will be actively supported in your personal and professional development.

- You will successfully shape your career in an innovative and expanding company.
- Furthermore, you can expect appealing general conditions, an appropriate remuneration and the possibility of a company pension scheme.
- In addition, social commitment is rewarded with special leave,
- We promote employee health with our Bike-to-Work Programme and a sports studio cooperation (Qualitrain)
- And we offer drinks and a meal allowance.

Are you interested? Then please send your application, including earliest starting date and salary expectations, by email to:

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