

## Research Engineer Metallography (m/f/d)

ID AS17081

### The Company

Our customer is a leading technology and service provider for the global construction industry segment. It is a great place to add value and grow your career. Currently they have close to 30000 employees, which they are looking to expand.

Currently, we are looking for a 'Research Engineer Metallography (m/f/d)' in Liechtenstein.



### Responsibilities

Detailed analysis and characterization of components is a key supporting activity for the R&D projects, business units and production plants. These components comprise both metallographic samples from our tools and inserts (mostly steel based), as well as lithium-ion cells. As part of a multi-disciplinary team, you will be responsible for the technical tasks around the metallography activities and root cause analysis in failure investigations.

- As Research Engineer in the metallography laboratory you are part of the materials research group.
- You will work closely with material experts, project managers and product developers, and you will support them with your expertise on material science, metallography, and root cause analysis in failure investigations of steel components (tool parts, inserts, consumables).

- Furthermore, you will expand your analytical skills in performing lithium-ion cells analysis for the battery team.
- You will be responsible for material and component investigations (e.g. sample preparation, metallography tests, and results documentation).
- You will be the person who will do precise work and support in engineering questions in research and technical projects.
- Effective technical communication as well as the comprehensible documentation of your work is a key factor in your job.
- We are looking for a self-responsible person who can help manage of our state-of-the-art metallography and cell analysis lab in the acquisition, calibration and maintenance of the equipment.
- You should look for continuously improvements of the laboratory methodologies and bring new testing plans for potential causes of failures in our wide range of products and applications.

## Requirements

- Technical degree in material science with the focus on metallography of steel components.
- Proven metallography experience (min. 2 years): prepared test specimens, fractography-microscopy techniques (stereo/optical microscopes, SEM, etc.), mechanical testing.
- First experience in the field of batteries is a plus.
- Proven experience with root cause analysis in failure investigations.
- Good communication skills: daily liaison with customers, project managers and product developer. All documentation should be done in English.
- Bring new ideas to improve current laboratory processes and good predisposition to work in an international team.

## What we offer

- Excellent company culture which stands for an ambitious but caring working environment.
- Great opportunities to develop your career with a global player and international innovation driver.
- Competitive salary and a wide range of benefits, these may include day care for your kids or a free in-house gym.

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