

MUSTER AG

Herrn Max Mustermann
Musterstraße 2
99999 Muster

Karlsruhe, 02.xx.20xx

**APPLICATION AS TEAM LEADER MATERIALS DEVELOPMENT ENERGY
(JOB-ID: ABC-123)**

Dear Mr Mustermann,

Innovative materials are the key to a sustainable future - and this is exactly where I want to start. The opportunity to use my expertise to contribute directly to the development of new materials for the energy transition excites me. During my doctorate and my subsequent work as a research associate at the Institute for Applied Materials (IAM) at the Karlsruhe Institute of Technology (KIT), I gained extensive experience in the modelling, optimisation and industrial application of materials. Now I would like to apply this expertise in a practical environment and work together with your team on future-oriented solutions.

In my role as a research associate, I was significantly involved in the development of materials for energy applications. In particular, my work as project manager on the DFG project 'Modelling and Optimisation of Materials' showed me the importance of closely linking theory and practice. Working with industrial partners not only allowed me to deepen my technical skills, but also to expand my expertise in project management and interdisciplinary teamwork.

My doctorate on the subject of 'Materials for solar thermal energy' has further sharpened my in-depth understanding of materials science and its practical applications. My tasks included modelling and optimising materials and analysing their range of applications, as well as supervising employees and presenting my research findings. As well as developing my organisational skills, I was also able to strengthen my communication and mediation skills. During my studies, I gained valuable industry experience as a student trainee and as an intern in the field of research and development. I was able to apply my skills in designing and simulating components using CAD and CAM software and to actively contribute to projects in collaboration with production teams. The combination of scientific expertise and practical experience enables me to analyse complex technical challenges in a structured way and develop targeted solutions.

I am particularly motivated by the opportunity to transfer my expertise from materials research directly into industrial practice and thus make a concrete contribution. At MUSTER AG, I would like to help shape the energy transition by developing new materials. I look forward to an invitation for a personal interview.

Best regards

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