



Materials Design Engineer

Full time, immediate availability

Location: Stockholm, Sweden

Posted: October 2021

QuesTek Europe AB, located in Stockholm, Sweden, is a corporate joint-venture between QuesTek International LLC and Thermo-Calc Software AB. QuesTek is a leader in the field of integrated computational materials engineering (ICME), and uses its proprietary Materials by Design® expertise to rapidly develop next-generation materials that reduce capital, processing, operating or maintenance costs, or improve environmental protection or competitive supply. QuesTek is seeking candidates for a Materials Design Engineer to perform work related to the design and development of new materials. Responsibilities and activities will include:

- Work with and lead project teams to design and invent new materials
- Develop and use materials design models
- Manage project activities including theoretical work, such as CALPHAD-based modelling and computational tools development, and experimental work such as production, characterization and testing of prototype materials
- Interact with customers and producers, manufacturers and end-users to define design requirements, and identify new opportunities
- Document and report on internal and customer-based material development work
- Assist and lead proposal efforts for internal and customer-based projects

Requirements:

- A Ph.D. in materials science, materials engineering, metallurgy, or a related field
- A strong understanding of physical metallurgy
- Experience with the application of thermodynamic & kinetic computational tools
- Understanding of process-structure-property relationships in material systems

Preferred candidates will also have experience with the Thermo-Calc software, process-structure, structure-property, quantum mechanical models and their applied use; alloy development; materials processing, characterization, and testing; project management; Python programming; and a background in the metals, aerospace, energy, defence, or related industries. The ability to define complex technical concepts, identify applicable solutions, and articulate value and results to internal and external audiences is essential to perform well in this position.

QuesTek Europe offers a truly exciting and stimulating work environment, where each individual can and is expected to make a difference.

Interested candidates shall submit their resumes and a cover letter summarizing how their experience would allow them to excel in this position to Ida Berglund at info@questekeurope.com