

# MECHANICAL / MATERIAL ENGINEER FOR ENGINEERING DEPARTMENT

## JOB DESCRIPTION

The purpose of this position is to provide technical support to the production and quality operations placed at MuoviTech in Borås Sweden. This position is focused on engineering efforts related to the pre-construction phase, and supporting production control systems in a cross-functional nature. This includes the implementation of projects to improve quality, reduce defects, productivity improvements, and implementation of the documentation regarding quality processes deployed in the MuoviTech. Therefore the main aim of this job is to provide and maintain detailed drawing and specification documentation package for quality product realization.

The technical work includes mechanical design using Autodesk, FEM modelling using COMSOL and responsibility for the prototypes, validation and quality control of the prototypes. In addition the work will involve study for cost and performance driven volume production and reporting of the results in well-structured manner. Close collaboration and contact with the international partners in the MuoviTech is an important aspect of the job.

## QUALIFICATIONS

Applicants for this post should have a university degree in mechanical engineering, material engineering, physics or similar academic education. Experience in mechanical design, manufacturing plant or research experience of heat pump or HVAC systems is an advantage.

## KEY COMPETENCES

- Good experience with 3D CAD mechanical design software. Extensive knowledge and experience with AutoCAD Inventor.
- Extensive mechanical engineering knowledge & process technology.
- Ability to present information or draft material in a clear and logical manner and to writing technical reports.
- You have excellent communication skills in English, both orally and written and work well independently as well as in a team.
- 5 - 10 years as design, quality or manufacturing engineer in a mechanical industry or other related manufacturing plant.

## DESIRABLE COMPETENCES

- Experience in thermal and heat transfer modelling with COMSOL.

## SUBMISSION

The application should submit:

- CV
- Two references that we can contact.
- Letters of recommendation from previous employers.
- Personal letter/Qualifications: 1-3 pages where you introduce yourself and present your qualifications relevant for the position.

Submit your application before April 15th 2015.

For questions, contact:

## ADIB KALANTAR

R & D Manager

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## COMPANY INFORMATION

MuoviTech Group is one of the European leading manufacturers of geothermal energy, with own factories in Sweden, Finland, Poland, Netherlands, US and UK. MuoviTech Group encompasses the production of state-of-art products for the ground source heat pump systems (GSHP) as well as a complete range of collectors, manifold chambers, distribution pipes, casing pipes, valves, fittings, and everything needed for installation until a heat pump.

With MuoviTech R&D department you will be part of a global and diverse team of highly skilled professionals working with innovation, passion and respect for the individual to become the world leader in sustainable energy solutions. Activities at MuoviTech R&D cover the engineering, technological investigation and manufacturing knowledge necessary to be able to develop new products, material and production processes in a sustainable development.

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