



## Process Engineer - Computation (m/w/d)

### Your tasks

- process modelling of production processes for graphite electrodes, anode materials, steel products etc. including raw material preprocessing, to enhance the efficiency of the processes and to optimize production costs
- application and further development of in-house simulation models for tasks in the field of chemistry, metallurgy, energy & heat technology, reaction technique, fluid engineering for gases and liquids etc. based on the knowledge and innovative force of our team of engineers and in-house research and development activities.
- our process simulation software solves the mass and enthalpy balances considering reaction technique for specific operating conditions on specified parameters - goal is to find optimal conditions for a process and to calculate material and energy demand at varying operation parameters and conditions - this is essentially to solve iteratively optimization problems.
- typical specific simulation application example is the CFD simulation (Computational Fluid Dynamics) using the OpenFOAM (Open Source Field Operation and Manipulation) software.
- our process simulations are based on models which introduce approximations and assumptions but allow the description of a process over a wide range of temperatures and pressures which might not be covered by available real data. Models also allow interpolation and extrapolation – within certain limits – and enable the search for conditions outside the range of known properties.

### Your profile

- extensive experience in the field of process engineering, system analysis, modelling and computation
- in-depth knowledge of production processes, application technology, technical services and solutions to establish products with the highest quality standards in the field of graphite and steel
- successfully completed university degree or equivalent degree with a focus on materials science, chemistry, process engineering, etc
- communication in-house and with customers in English is not a problem for you
- ideally, you have knowledge of all common computation tools for process engineering

### What can you expect

- exciting tasks in an experienced international company for sustainable solutions at the beginning of the value chain for both, technically / economically optimized and environmentally friendly
- careful introduction to a motivated team
- family-friendly corporate culture, flexible working time models
- opportunities for further development and progressive employment conditions

Are you looking for an interesting job?

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## Are you interested

You are welcome to send us your application documents by email to [office@scs-technology.at](mailto:office@scs-technology.at)

### Your contact

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