

Mechanic & Thermal Simulations Engineer

München, Unterföhring

For our international development team in Munich, we are looking for a **Fulltime-Simulation Engineer**

Join us and take part in the development of innovative mechatronic systems for electromobility in the field of automotive and truck industries.

Our development office is located in the heart of the automotive development. With a close link to our customers, OEMs and Tiers1, we develop future electromobility applications .

CPM GmbH, part of Sonceboz Group (CH), relies on its small creative team to develop first concept, theoretical studies and self-made prototypes. Our main competences are the mechatronic development, software, motor control, electric motor, power electronic and mechanic.

We reinforce our simulations capabilities in the field of thermal and mechanics engineering, and we need a Mechanic or/and Thermal or/and Thermodynamic Simulation Engineer

Study: physics oder maschinenbau

Mission:

- In collaboration with the electronic and electric machine engineers, assess and optimize the thermal performances of mechatronic systems
- Build models and tools to support efficient developments
- Run some tests in our lab to compare simulations and prototypes performances
- Provide ideas and concept to improve system thermo-mechanical performances, which could be turned into patent
- Simulations and sizing of gears and gearboxes concepts to be integrated with the electric motor and its controller.

Know-How:

- Good knowledge of FEM simulations tools
- First experience in the field of mechanical/thermal simulations
- Finite Element Software (for ex : Abaqus, Solidworks, Ansys...)
- System modelisation Software (Simulink, Matlab, Matcad...)
- Computation Fluid Dynamics (CFD) knowledge
- 3D CAD system, Solidworks preferred
- English written/spoken
- German written/spoken
- French is nice to have
- Creative, good communication skills with internal and external partners, enthusiastic, flexible, perseverant

We offer

- Interesting and innovative projects in the automotive field
- Space to express ist creativity
- Modern, light and spacious offices
- Good loan, with flexible working hours, holidays and bonus system according to salary scale
- Harmonious, Family spirit Team
- Based in Munich Unterföhring at the north of the Englischer Garten

Wir freuen uns über Ihre Bewerbung per E-Mail an:

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www.cpmotion.com