

Electric Machines Simulations and Development (PhD_)Engineer

München, Unterföhring

For our international development team in Munich, we are looking for a **Fulltime-Simulation and Development (PhD_) 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 .

Compact Power Motion (CPM) GmbH, part of Sonceboz Group (CH www.sonceboz.com), 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 & development capabilities in the field of electric machines, and we need an electric machines PhD and/or Engineer.

Study: Electrical Engineering, Energy Conversion

Mission:

- In collaboration with the electronic and mechanical engineers, design and optimize electric machines according to customers requests.
- Support project acquisition through quick and reliable pre-study
- 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 serve innovation withing the Sonceboz group, as well as differentiating from competition, 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:

- Very good understanding of physics of electric machines
- Good knowledge of FEM simulations tools
- First experience in the field of electric machines simulations
- Finite Element Software (for ex : Altair Flux2D/3D, FEMM...)
- System modelisation Software (Simulink, Matlab, Matcad...)
- 3D CAD system (Solidworks)
- English written/spoken – must have
- German written/spoken - preferred
- Creative, good communication skills with internal and external partners, enthusiastic, flexible, perseverant

We offer

- Interesting and innovative projects in the automotive field
- Strong link with a manufacturing group which targets to bring our innovation into mass production
- Space to express ist creativity with prototyping capacity
- 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:

edith.zellner@cpmotion.com

www.cpmotion.com