

## **Job advertisement**

The mobility revolution is ramping up: with e-mobile solutions for rail vehicles and buses, the Kiepe Electric Group is driving forward safe and sustainable transportation concepts. As a specialist in e-engineering, Kiepe Electric is a reliable partner for transport companies, fleet operators and vehicle manufacturers. Whether in San Francisco, Paris, Geneva or Cologne: the world's major cities rely on our environmentally friendly electric equipment for streetcars, subway trains and regional trains as well as battery, trolley and in-motion charging (IMC) buses in their local transport concepts.

Kiepe Electric Switzerland develops and manufactures power electronics modules and supplies complete systems for charging infrastructure, on-board power supplies and electric drives. We ensure the availability of Kiepe drive systems for Swiss transport companies or modernize them with new battery systems.

To strengthen our team at our headquarters in Niederbuchsiten (or another Kiepe location), we are looking for a

### **Hardware Engineer Power Electronics m/f/d 80 - 100%**

#### **Your tasks**

- Development of power electronics for electric mobility: conception, design, simulation and commissioning of power electronic circuits, filters and their components
- Development and further development of inverter controls, commissioning and verification
- Design of power stages, digital and analog control circuits
- Support for project management/technical project management of order-related development projects
- Co-development of architectures and specifications, cooperation with production for DFM and DFT
- Carrying out tests, calculations and simulations, optimizing circuits
- Creation of development documentation, test plans and customer documentation
- PCB design

#### **Your Profile**

- BSC or MSC in electrical engineering or propulsion technology
- Sound practical experience in power converter design including EMC and filter components
- Sound practical experience in control engineering
- Knowledge of railroad engineering standards and functional safety is an advantage
- Good knowledge of German and English
- Commitment, ability to work in a team, flexibility, initiative and ability to work under pressure
- Willingness to travel, mainly in Switzerland

#### **Why Kiepe Switzerland**

- 42 hours workweek, 6 weeks of vacation and flexible working hours
- Option to work partly at home
- Workplace in a central location, very good public transport connections, free parking spaces

- Travel benefits (also private use)
- Promotion of training and further education
- Events for employees and promotion of joint activities

Are you interested? Then please send us your complete dossier in electronic form to [hr.kes@knorr-bremse.com](mailto:hr.kes@knorr-bremse.com).

If you have any questions, please contact Franziska Thomann on +41 62 389 90 70.