

To reinforce our team, we are looking for a

### **Hardware developer (m/f/d) - Power electronics (switch mode power supplies)**

#### **Your duties:**

- Independent design of power electronic sub-circuits or whole switch mode power supplies
- Theoretical calculation and simulation of switch mode power supplies, in particular resonance topologies
- Independent procurement of sample components in coordination with our suppliers
- Prototyping and PCB layout for power electronic circuits
- Generator testing and fault analysis
- Design and revision of analog and digital circuits in the generator control electronics
- Independent project support after familiarization phase also in cooperation with other departments

#### **Your profile:**

- Completed degree in electrical engineering, specialising in power electronics
- 2-3 years professional experience
- Experience in the development of switch mode power supplies or converters
- Knowledge in the selection and dimensioning of power electronic modules and components (winding goods, power semiconductors, driver circuits)
- Knowledge of at least one common simulation software for electrical circuits, e.g. MultiSim, Pspice, LTSpice etc.
- Experience in the design of circuit boards with CAD programs such as Eagle, Altium or Mentor Graphics
- English Basic knowledge
- Independent working method

#### **We offer:**

- A dynamic team and a challenging job, which you can actively help to shape beyond your area of work.
- Diverse and varied tasks and a high area of responsibility
- A performance-related salary
- A modern and attractive working environment in Peine

Please, send us your entire application papers in:

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