



Electrical engineer (m/f/d) – for hardware-in-the-loop (HIL) battery management systems (BMS)

Location: Paderborn , Böblingen (near Stuttgart) / ID: RTDS-CSH-BMS

With our hardware-in-the-loop (HIL) systems, our global customers test, among other things, their battery management systems (BMS) for electric vehicles and stationary energy storage systems.

As a hardware project engineer in the field of BMS HIL systems, you will work with dSPACE real-time hardware as well as specific hardware components, for example, dSPACE cell voltage simulation and other high-voltage components in the voltage range up to 1,500 V DC. You will be responsible for everything from design and specification to monitoring production and acceptance testing of our BMS HIL systems.

Are you enthusiastic about electromobility? Do you know your way around hardware and would you like to get involved with forward-looking technologies? As a hardware project engineer in the field of e-mobility for BMS HIL systems, you can make a decisive contribution to the advancement of these technologies.

Your Tasks

- Design and specification of hardware-in-the-loop (HIL) simulators
- Determining and implementing specific customer requirements
- Creating circuit and assembly plans in EPLAN P8
- Carrying out commissioning located in Paderborn and at our customers' sites (national and international)
- Project management
- Organization and implementation of projects/subprojects in the field of BMS HIL
- Effort estimation and calculation of technical offers, risk management
- Specialist support of the technical sales team

Your Qualifications

- Successfully completed studies in the field of Electrical Engineering or other technical/scientific studies (Bachelor's degree, Master's degree, diploma)
- Broad understanding of electrical engineering
- A successfully completed vocational training in the field of Electrical Engineering/Electronics as well as experience in EPLAN P8 desirable, but not mandatory
- High motivation and safety-conscious thinking
- Customer orientation, communication skills, and strong ability to work in a team
- Pronounced analytical, systematic, and independent way of working
- Very good German and English skills

People all over the world use means of transport that have been developed, tested, and validated with dSPACE solutions. As a global technology leader for simulation and validation solutions, dSPACE is a partner along the entire innovation chain, from the initial idea to supporting series production.



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