



Engineer (m/f/d) – control of electric drives and mechatronic test benches

Location: Paderborn / ID: RTDS- EED-MTBRCP

Our customers rely on dSPACE rapid control prototyping (RCP) systems and hardware-in-the-loop (HIL) simulators to develop and test future control systems for electric drives and power electronics. As an engineer for the control of electric drives and mechatronic test benches, you will be responsible for the design, assembly, commissioning, and support of RCP systems as well as HIL test benches. You will also develop new system and control concepts for the best possible utilization of the hardware used.

Your Tasks

- Record customer requirements and specify RCP systems and mechanical test systems
- Prepare application-specific feasibility studies
- Integrate and further develop controller structures for electric drive systems
- Carry out commissioning in Paderborn and at our customers' sites (national and international)
- Technical support of the technical sales team
- Successive takeover of project responsibility

Your Qualifications

- A degree in technical or scientific studies (Master's or Bachelor's degree in Electrical Engineering, Mechatronics, or comparable)
- Experience in working with model-based development in MATLAB®/Simulink®
- Knowledge in the areas of control of electric machines and sensor technology
- Safe handling of physically dangerous voltages and controlled moving machine parts
- Experience with dSPACE real-time systems and industrial automation is an advantage
- Pronounced analytical, systematic, and independent way of working
- Customer orientation, strong communication skills, and ability to work in a team
- Good German and English skills
- Class B driving license

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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