



# Project Engineer (m/f/d) – for the simulation of electric drives and power electronics

Location: Paderborn / ID: RTDS-EED-EMHLE

Are you enthusiastic about electromobility? Do you want to work with innovative technologies? Are you eager to use them in innovative projects together with our customers?

As a project engineer (m/f/d) for electric drives and power electronics, the world is your oyster at dSPACE.

Our customers rely on dSPACE hardware-in-the-loop (HIL) simulators to develop and test future control systems for electric drives and power electronics. As a project engineer in the field of electromobility, you will work on new customer-specific solutions for the simulation of electric drives and power electronic actuators. You will work in a team and be responsible for the planning, programming, commissioning, and support of our HIL systems.

## Your Tasks

- Record customer requirements and design HIL test systems
- Prepare application-specific feasibility studies
- Integrate simulation models for our FPGA and processor platforms
- Carry out commissioning in Paderborn and at our customers' sites (national and international)
- Support development in the testing of new solutions
- Technical support for the technical sales department
- Successively take on project responsibility and coordination of national and international customer projects

## 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 field of modeling or control of electric machines and power electronics
- Experience with FPGA programming 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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