



Development Engineer Battery Management Systems - BMS (m/w/d)

Workplace: , Munich

Apply online!

What to expect:

We are seeking a skilled and motivated Development Engineer to join our team in designing and advancing Battery Management Systems (BMS) for cutting-edge energy storage solutions. The ideal candidate will play a critical role in developing hardware and software solutions to ensure the safety, efficiency, and performance of battery systems.

- **Design and Development:** Develop and optimize BMS hardware and software, focusing on functionalities such as state-of-charge (SOC) and state-of-health (SOH) estimation, thermal management, and fault detection.
- **Testing and Validation:** Plan, conduct, and analyze validation tests for BMS components and systems to ensure compliance with safety and performance standards.
- **Algorithm Development:** Create and implement algorithms for battery modeling, balancing, and diagnostics.
- **Integration and Collaboration:** Collaborate with cross-functional teams to integrate the BMS into battery packs and systems, ensuring seamless functionality.

What you bring along:

- **Education:** Bachelor's or Master's degree in Electrical Engineering, Mechatronics, or a related field.
- At least 3 years of BMS experience in industry
- **Experience:** Hands-on experience in BMS development, including hardware and/or software design
- **Technical Skills:**
 - Strong knowledge of battery technologies (Li-ion, Solid-State, etc.).
 - Proficiency in programming languages such as C, C++, or Python.
 - Familiarity with embedded systems, communication protocols (CAN, SPI, I2C), and microcontrollers.
 - Understanding of thermal management and power electronics
 - good MATLAB/Simulink skills
 - practice i modelbased SW Development
 - Jira, Confluence or similar
 - Kanabn, Scrum
 - Understanding of vehicle electronics and SW architecture

- **Compliance and Documentation:** Ensure designs comply with relevant standards and document technical specifications, validation reports, and design changes.
- **Problem-Solving:** Investigate and resolve issues related to BMS performance and reliability in laboratory and field settings.
- Fluent English skills, German is a plus

As a development specialist with more than 14,000 employees at over 50 locations, we work on exciting projects on behalf of our customers worldwide.

Ready for your next professional challenge? Then upload **your CV** in just a few minutes. You can do without a cover letter, because we prefer to get to know you personally in a conversation.

We look forward to receiving your application!



Responsible Tasks



Flexible working hours



Parking spaces



Public transport connections



Team-oriented work



Holiday pay and christmas bonuses



Unlimited employment contract



30 days vacation



Contact:

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