

**POSITION: BMS Senior Manager**

**LOCATION: Frankfurt or Saarbrücken, Germany**

#### **ABOUT SVOLT:**

SVOLT is a Greentech company committed to reduce global carbon footprint by being an enabler to the automotive industry. Our goal is to provide access to affordable electrical mobility across all countries and markets. We supply lithium-ion battery technology and battery system solutions to automotive clients with significant impact on electrical vehicle driving distance, vehicle safety and system lifetime that goes beyond conventional combustion propulsion. We have successfully cultivated a start-up DNA while growing our global business beyond 200GWh of battery production capacity. In Europe SVOLT will install a Gigafactory and a Module and Battery Pack plant in Saarland, Germany with 30 GWh capacity

#### **ABOUT THE POSITION:**

The position is based in SVOLT Europe. The successful candidate will join as lead of BMS development team of the EU R&D Center. This position is responsible for development activities of BMS in SVOLT Europe. The candidate is required to have frequent exchange with customer for addressing local technical support and new product development issues. The candidate is required to work closely with customer group and quality function in Europe.

#### **RESPONSIBILITIES**

- Manage BMS design quality issues in vehicle, BMS test bench and pack development testing. Develop capabilities for analyzing BMS problems, formulate solutions, and provide guidance to customers for problem identification and maintenance.
- Manager local development of application platforms from the core BMS platform.
- Failure analysis for faulty parts and find the true cause of the failure through testing, disassembly, mechanism analysis, etc. Make classification of different faults, carry out technical exploration and upgrade to find solutions for the BMS design and quality issues.
- Conduct FMEA, FTA and DFA analysis to solve BMS functional safety problems.
- Prepare training materials and train the subordinates to understand products and enable them to solve technical problems and other related matters that require attention.
- Develop after-sales service tools and have market maintenance capability.
- Periodically monitor the work progress according to the project development plan and ensure the technical deliverables for application software. Coordinate with various functions of BMS team and conduct technical reviews.
- Responsible for overall functional safety development of BMS and work closely with Functional safety team at HQ.
- Develop BMS functions and advance algorithms for ageing, pre-warning and thermal runaway detection.

#### **QUALIFICATIONS & REQUIREMENTS**

- Bachelor or Master's degree in Electrical, Electronics or Computer Science Engineering;
- Minimum 9 years of total working experience and minimum 6 years of BMS development experience.
- Experience in BMS product development, BMS functions and BMS test & Validation.
- Experience in lithium ion battery pack design, customer requirement analysis, system architecture testing and design.
- Experience in Functional Safety and HV electrical safety requirements
- Familiar with electrical components, sensors and actuators selection and matching.
- Familiar with software development under AUTOSAR architecture.
- Familiar with MCU development with Freescale or Infineon.

- Other requirements. Team building ability, case design ability, planning ability, demand analysis ability, global concept, customer awareness, cost awareness, risk prevention awareness, etc.
- Language Proficiency - English as Business Language. German and/or Chinese are considered as an additional advantage

Please visit <https://svolt.jobs.personio.de/> to see all vacancies at **SVOLT Energy Technology (Europe) GmbH**.