

Battery Show: Diehl shows power portfolio for high-voltage storage systems

The Diehl Group is also represented at this year's trade fair "The Battery Show Europe". Solutions for mechanical, electronic and mechatronic systems and subsystems of battery packs will be on display.

The technology company Diehl is exhibiting at the trade fair "The Battery Show Europe 2022" in Stuttgart. From June 28 to 30, 2022, the company will be presenting its power portfolio in hall 8, stand A40. This includes solutions for high-voltage storage systems, such as those used in cars or industrial robots, and also battery systems for e-bikes. The four Diehl corporate divisions Controls, Metall, Defence and Aviation manufacture, among others, complete battery packs with power supply, battery management system (BMS), state-of-charge indicator and charger. In addition, Diehl develops customer-specific subsystems and components for batteries, ranging from cell contacting systems, BMS and HMI (Human Machine Interface) solutions to printed circuit boards and galvanic applications. The Diehl Group's portfolio also includes thermal batteries, as used in the security industry, and battery-backed power supplies for emergency lighting in commercial aircraft cabins.

The trade fair highlight at the Battery Show is the new technology demonstrator AIM (Advanced Integrated Module). For the first time, customers, partners and interested parties can find out "live" in Stuttgart how AIM can be customized to the management of lithium-ion batteries. The technology demonstrator provides more safety, performance when charging and discharging as well as a variety of optionally expandable sensors within a high-voltage storage unit.

Individually adapted, AIM is suitable for battery packs in vehicles such as cars or e-bikes as well as in industrial applications ranging from industrial trucks and robots to high-voltage storage systems for photovoltaic systems. Several business units of the Diehl Group were involved in the development of AIM: Diehl Metall, for example, with many years of experience in cell contacting systems, realized the mechanical integration of AIM. Diehl Controls was responsible for the electronic development of the platform and designed the integrated BMS solution, which ensures high battery performance and long-term operational reliability even in the smallest installation space.

"For us, the Battery Show Europe is the central industry meeting point for direct exchange with international customers and partners," emphasizes Dr. Klaus Richter, CEO of the Diehl Group. "Most recent developments in politics and business have shown that industries such as automotive engineering, aerospace and energy need innovative approaches to redesign the energy supply. The battery as an energy source plays a key role here and Diehl is a competent partner when it comes to integrated solutions for efficient and safe use of high-voltage storage systems."

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