

## Battery Show 2024: Diehl presents innovations for electromobility and battery systems

**In 2024, the Diehl Group will once again be represented at the trade fair “The Battery Show Europe 2024” and, in addition to state-of-the-art solutions for mechanical, electronic and mechatronic systems and subsystems of battery packs, will also be presenting two innovations.**

The Battery Show Europe 2024 will open its doors in Stuttgart from June 18 to 20, 2024. This year, the Diehl Group will once again be taking part at Booth B40 in Hall 8. The two represented business units Diehl Metall and Diehl Controls develop complete battery packs with power supply and battery management system (BMS). On the other hand, Diehl develops customized subsystems and components for batteries, including cell contacting systems, BMS and HMI (Human Machine Interface) solutions, printed circuit boards and galvanic applications.

### **The latest solutions for electromobility and battery systems**

As an experienced and important development partner in the automotive industry, Diehl Metall has dedicated itself to the manufacture of cell contact systems and has been successfully producing these in series for many years. This year, Diehl Metall will be presenting its latest patent-pending innovation: **The fully integrated, foldable, laminated cell contacting system (CCS).**

This newly developed solution for powering modern hybrid and electric vehicles offers a high degree of flexibility in many respects. Thanks to its foldable design and the associated reduced dimensions and low weight, the foldable laminated CCS not only lowers transportation costs, but also reduces the environmental impact. Thanks to its modular design, both simple assembly and the integration of additional electronic components or mechanical elements are possible. With this innovation, Diehl Metall is taking the production of cell contacting systems to a new level.

There is also an innovative new product to announce in the field of LOW-Volt or 48V battery systems. As a leading company, Diehl Metall develops and manufactures high-quality battery systems and battery cell holders for a variety of markets, e.g. for the categories: e-Bikes, Power Tools & Industrial Applications. Now Diehl Metall heralds the next generation of battery safety with its latest innovation and presents a new generation of battery cell holders. Its compact and efficient design maximizes available space while providing robust protection for batteries of all sizes. Safety is a top priority, and the new battery cell holder meets external requirements such as UN standards for safe transportation. By combining design and compliance with safety standards, Diehl Metall is setting new standards in battery technology.

### **Highest quality thanks to modern production technology**

Diehl Controls has established itself as a reliable technology partner in the industrialization and production of electronic systems, such as battery management systems. With many years of experience, important know-how and modern production technology, the company is ideally positioned to supply state-of-the-art battery systems of the highest quality.

The very high standard of quality, the in-house test systems, and the high level of expertise in RF designs are particularly important for international customers.

More and more global players are therefore having their products manufactured at the technology company's sites in Europe, America, or Asia. Continuous expansion in Europe and China is also increasing production capacity and strengthening the company's global presence.

**You will find the Diehl Group team at the Battery Show 2024 at stand B40 in hall 8. Visit us at our stand and see the latest innovations for yourself. We look forward to your visit and to exchanging ideas.**

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**About Diehl Metall:**

About Diehl Metall: Diehl Metall is a Corporate Division of the Diehl Group founded in 1902 (sales: 3.5 billion euros, employees: 16,550) and has its headquarters in Röthenbach a.d. Pegnitz near Nuremberg. The company offers a broad spectrum of innovative products and technologies in the area of metal processing. In a global production network with locations in Europe, Asia, South America and the US, Diehl Metall develops application-oriented solutions for international customers. The company assumes responsibility in the area of climate and resource protection, and places great value on recyclable alloys and composite materials. To fulfil this responsibility, Diehl Metall relies on technically optimized production processes and directs its innovation activities toward future trends.