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Technology partnership with BMW Group: EAS Batteries accelerates development of cylindrical battery cells

Nordhausen / supraregional. EAS Batteries has supported the BMW Group's "Battery Cell Competence Centre" in the development of its first cylindrical battery cells. The round cells have a diameter of 46 millimeters and will be used for the purely electric drive of future BMW models. The BMW Group officially presented the cylindrical cell format in September 2022.

The aim of the partnership between the BMW Group and EAS Batteries was to accelerate the development of the battery cells and thus give BMW a time advantage. And they succeeded. "EAS Batteries provided us with excellent support in the early phase of round cell development, for example by supplying prototype cells, and significantly shortened the development time for the BMW cell," says Peter Lamp, Head of Battery Cell Technology at the BMW Group.

Design, chemistry, and processes: constructive cooperation

EAS Batteries provided BMW with both mechanical and electrochemical support, enabling BMW to pull forward decisions on design and cell chemistry of the new cell to an earlier stage and to define the corresponding processes in a timely manner. BMW will continue to rely on its technology partnership with EAS in the future. Michael Deutmeyer, Managing Director of EAS Batteries GmbH, emphasises the contacting: "By licensing our patented contacting technology, the 'tab-less contacting', we are making a decisive contribution to securing the high-current capability of the new BMW cell design".

Established development partner for the automotive market

EAS Batteries has positioned itself in the automotive market within a very short time. The automotive industry first turned to the highly specialised niche supplier for large format round cells in September 2020, at which time interest in co-developments with the EAS Innovation Factory skyrocketed. The Nordhausen-based producer of innovative cell and battery solutions now supports a wide range of cell development projects for prestigious automotive companies worldwide. "EAS know-how is of great importance to the automotive industry," says Michael Deutmeyer. "The targeted charging currents require cells with high current capability. EAS has already perfected these."

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Further information

Picture material: <https://eas-batteries.com/news/press-kit>

About EAS Batteries

Large-format round cells, LFP as a safe cell chemistry, energy-saving extrusion and an efficient contacting method are among the powerful ideas of a quarter of a century of EAS history. As a highly specialised niche supplier, EAS has been developing innovative cell and battery solutions at its Nordhausen production site for 25 years - including extremely robust and high-performance cells for applications in the aerospace, aviation, automotive, NRMM (Non-Road Mobile Machinery) and maritime industries.

The EAS brand emerged from GAIA Akkumulatorenwerke GmbH, founded in Nordhausen in 1996. Since June 2017, EAS Batteries GmbH has been part of the Monbat Group. In May 2022, the company announced its takeover by the British group Britishvolt.

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