

PRESS RELEASE

Zeppelin Systems is driving innovation in efficient battery production at Battery Show Europe 2026

Friedrichshafen (Germany), 27 May 2026. Zeppelin Systems will showcase solutions for key process steps in the industrial production of battery masses at the Battery Show Europe 2026 in Stuttgart – from reliable material handling to precise dosing systems and powerful mixing technology. The company will also present the latest developments for flexible calendaring and a new product that can be used to test mixing processes on an experimental scale under controlled conditions. The trade show will take place June 9 to 11, 2026. Visit Zeppelin Systems in Hall 1 at Stand J66.

As an international plant engineering expert, Zeppelin Systems develops tailor-made solutions for the handling of high-quality raw materials – from storage to conveying and dosing to mixing. The company combines many years of experience and technological know-how to design production processes that are efficient, secure and scalable.

“The demands on battery mass production are continuously increasing, particularly in terms of efficiency, scalability, and process stability. With our solutions, we support customers in reliably scaling their production to an industrial level and future-proofing their operations,” explains Sascha Stiller, CEO of Zeppelin Systems GmbH. “In doing so, we combine proven technologies with targeted innovations across the entire value chain.”

Raw material handling as the basis for stable processes

A key success factor in the production of battery masses is the safe and controlled handling of raw materials. Zeppelin Systems offers solutions that enable a wide range of containers to be emptied quickly while also ensuring product-friendly conveying. Modern containment concepts and end-to-end batch management ensure safety and traceability.

Mixing technology for demanding battery materials

Mixing is one of the crucial process steps in the production of battery masses. Zeppelin Systems relies on powerful high-intensity mixers, which enable uniform distribution and targeted preparation of the raw materials. The systems are particularly suitable for dry and semi-dry mixing applications.

The material properties can be optimized by specifically influencing the particle structure. At the same time, robust designs ensure a long service life – even with demanding input materials.

New perspectives in the microenvironment

Zeppelin Systems is showcasing new possibilities for process development at the Battery Show Europe with a new product for mixing processes on a testing scale. The solution makes it possible to test sensitive materials under precisely controlled conditions – without the need for a large dry room. Zeppelin Systems thus opens up additional perspectives for development and testing processes in compact, controlled production environments.

Greater flexibility in calendaring

Zeppelin Systems relies on its feeding and dosing unit (FDU) for the continuous production of battery electrodes in the dry coating process. It ensures fully automated and consistent material feeding and is available for different throughputs from lab to production scale.

A new feature is a continuously adjustable chute width, which enables flexible adaptation to different film widths. This makes the FDU even more versatile in existing production environments while remaining compatible with common calender configurations. The specially designed component geometry also reduces the risk of material bridges and supports robust, continuous operation. Supplementary extraction concepts help to minimize dust emissions.

Test centers for customized process optimization

Zeppelin Systems operates several test centers to further develop and validate production processes. At these centers, processes can be analyzed and optimized on a laboratory and production scale. In Kassel, the focus is on mixing technology, while in Friedrichshafen, research concentrates on material behavior and dosing processes. Customers benefit from customized test scenarios and in-depth analysis of product properties and process parameters.

International projects and continuous development

Zeppelin Systems is involved in research and development projects to optimize the production of battery masses. Numerous international customer projects underline the company's implementation competence. Plants with a total output of over 150 gigawatt hours have already been installed worldwide – including in Europe, Asia and the USA.



Caption: The mixing system with conveying and dosing technology from Zeppelin Systems is a typical solution for the production of battery masses.

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About Zeppelin Plant Engineering

Zeppelin Systems specializes in the design, construction, and technological upgrading of industrial plants for storing, conveying, mixing, dosing, and weighing high-quality bulk materials and raw materials. With around 1,800 employees worldwide, Zeppelin Systems provides daily solutions for customers in the plastics, chemicals, rubber, and tire industries. Customers in the food industry also value Zeppelin Systems' many years of technological know-how and experience in delivering turnkey solutions. From plant planning and project implementation to after-sales service including process optimization – Zeppelin Systems is an integrated solutions provider, delivering complete solutions from a single source. Every Zeppelin plant is characterized by tailored features to meet specific customer requirements, smart automation solutions, and comprehensive service. We refer to this as the embodiment of engineering art, and we apply it to the entire life cycle of a system. With roots in Germany and global operations at more than 20 sites around the world, Zeppelin Systems makes industrial-scale testing available to its customers, thereby facilitating the assessment and sustainable optimization of their plant design. Zeppelin Systems also develops and manufactures mechanical and plant engineering components that can be seamlessly integrated into third-party systems. We Create Solutions for our customers every day. For more information, visit www.zeppelin-systems.com.

About the Zeppelin Group

The Zeppelin Group is a global sales and service provider with extensive industry expertise in the fields of construction, drive and energy. The company's success is built on its established brands Zeppelin Cat, Zeppelin Rental, and Zeppelin Power Systems as well as its plant engineering division, Zeppelin Systems. Zeppelin supports its customers with a comprehensive portfolio of services – ranging from consulting, engineering and sales to rental and project solutions as well as service, maintenance and digital solutions. With approx. 12,000 employees in 29 countries, Zeppelin is a high-

performing, globally positioned group. In the 2025 fiscal year, Zeppelin generated revenue of 4.4 billion euros. The holding company is Zeppelin GmbH, with its legal domicile in Friedrichshafen; the corporate headquarters are located in Garching near Munich. The Zeppelin Group is owned by the Zeppelin Foundation. For more information, visit www.zeppelin.com.

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