

Media Information
October 2025

BMW Group and Solid Power take next step in ASSB development path: new partner Samsung SDI joins the effort

**+++ Samsung SDI joins Solid Power and the BMW Group +++
three industry leaders bring their respective expertise to the table +++**

Munich. Since 2022, the BMW Group and Solid Power, Inc. (Nasdaq: SLDP) have intensified their activities for the development of all-solid-state battery (ASSB) technology through their technology transfer agreement. The latest milestone was the integration of Solid Power's large-format pure ASSB cells into a BMW i7 technology test vehicle.

As of October 2025, Samsung SDI joins the efforts to pursue development and validation of the ASSB technology in the automotive field. The new collaboration marks a key step towards ASSB technology, bringing together the complementary expertise of three industry leaders.

Under this arrangement, Solid Power will supply sulfide-based solid electrolyte to Samsung SDI, which Samsung SDI will integrate into separator and/or catholyte and use to build cells, in each case subject to achievement of technical requirements. These cells will be evaluated based on performance parameters and requirements to be agreed between Samsung SDI and BMW Group. Ultimately, Solid Power, Samsung SDI, and BMW aim to develop and supply ASSB cells for integration into a next generation of evaluation vehicles.

"We are excited to partner with Samsung SDI and BMW to progress the development of all-solid-state batteries," said John Van Scoter, President and CEO of Solid Power. "Our solid electrolyte technology is designed for stability and conductivity, and by working closely with global leaders in automotive and battery innovation, we strive to bring ASSB technology closer to widespread adoption."

"Technological competitiveness in batteries would ultimately lead to innovation in electric vehicles," said Stella Joo-Young Go, Executive Vice President of ASSB Commercialization Team at Samsung SDI. "Samsung SDI will work closely with great global partners like BMW and Solid Power to take the lead in commercializing ASSB."

Martin Schuster, Vice President Battery Cell and Cell Module at the BMW Group, says: "With Samsung SDI joining our partnership with Solid Power, we gain significant momentum on our path advancing the development of new battery cell technologies. This global collaboration is another proof point of our overarching goal: to be always in a position to offer our customers state of the art battery technology."

The partners believe in the potential of genuine ASSB technology, and the promise of higher energy density combined with increased safety compared to today's technologies by replacing liquid electrolytes with solid materials.

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With increased energy density, longer vehicle ranges can be achieved without having to accept disadvantages in terms of weight of the overall storage system.

The BMW Group and Solid Power have been cooperating since 2016 through an extended "Joint Development Agreement," which was supported by a BMW Group investment in Solid Power in May 2021 as part of a financing round.

At the end of 2022, BMW and Solid Power agreed to further deepen their partnership. BMW will operate a solid-state cell prototype line at the CMCC in Parsdorf, on the basis of a research and development license and with Solid Power's experience and expertise.

Since 2008, the BMW Group has been consistently building up its competence in the field of battery cell technology. Since 2019, this know-how has been pooled at the BMW Group's Battery Cell Competence Center (BCCC) in Munich. The BCCC covers the entire value chain, from research and development to battery cell design to producibility.

In order to be able to quickly and efficiently implement innovations in the field of battery cell technology, the BMW Group cooperates in a network of around 300 partners, including established companies, start-ups and universities, among others.

The BMW Group's battery strategy - to operate on equal footing with industry's leading cell manufacturers through deep know-how - has proven its worth. This strategically strong position in the value chain ensures the BMW Group access to all new and innovative battery cell research solutions worldwide.

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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2024, the BMW Group sold over 2.45 million passenger vehicles and more than 210,000 motorcycles worldwide. The profit before tax in the financial year 2024 was € 11.0 billion on revenues amounting to € 142.4 billion. As of 31 December 2024, the BMW Group had a workforce of 159,104 employees.

The economic success of the BMW Group has always been based on long-term thinking and responsible action. Sustainability is a key element of the BMW Group's corporate strategy and covers all products from the supply chain and production to the end of their useful life.

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About Solid Power, Inc.

Solid Power is developing solid-state battery technology to enable the next generation of batteries for the fast-growing EV and other markets. Solid Power's core technology is its electrolyte material, which Solid Power believes can enable extended driving range, longer battery life, improved safety, and lower cost compared to traditional lithium-ion.

Solid Power's business model – selling its electrolyte to cell manufacturers and licensing its cell designs and manufacturing processes – distinguishes the company from many of its competitors who plan to be commercial battery manufacturers. Ultimately, Solid Power endeavors to be a leading producer and distributor of sulfide-based solid electrolyte material for powering both EVs and other applications. For more information, visit <http://www.solidpowerbattery.com/>.

About Samsung SDI

Samsung SDI, headquartered in the Republic of Korea, is a world-leading battery and electronic material manufacturer redefining the worlds of electric vehicles, energy storage systems and IT devices. The company drives transformation and innovation to emerge as a leader across the fields of e-mobility, energy solutions, as well as semiconductors and displays. The company commits to sourcing 100% renewable electricity across its entire global operations by 2050. For the latest news, please visit the Samsung SDI News at <https://news.samsungsdi.com/global/press/list>.