

Joint press release by SMA and SMA Altenso

SMA Altenso increases installed battery storage capacity to 2 GW with new energy storage system for MEAG in Germany

Niestetal, May 21, 2026 - SMA Altenso (Altenso) has successfully commissioned its first in-house developed large-scale energy storage system for the Munich-based asset manager MEAG. The project, located in Metelen, North Rhine-Westphalia, is now fully operational and ranks among the largest battery storage installations in Germany to date. With this landmark project, Altenso reinforces its leading position in the international battery-storage market, having implemented 2 GW of battery storage and maintaining an additional robust development pipeline exceeding 4.5 GW. The new Battery Park Metelen provides 92.5 MW / 231 MWh of storage capacity and supplies balancing power for frequency regulation and grid stabilization.

State-of-the-art technology for battery energy storage systems

As EPC contractor, Altenso delivered the complete split-site facility, including medium voltage infrastructure. New technological standards are being set with the BESS Metelen. The installation comprises a 110 kV substation with a 100 tons high voltage transformer, 31 Medium Voltage Power Stations equipped with SMA Sunny Central Storage UP inverters, 62 battery platforms with lithium iron phosphate (LFP) batteries, and a newly constructed 600m power connection between substation and battery park site. Leveraging SMA's advanced inverter technology and control systems, the project participates in both the day-ahead and intraday electricity markets as well as ancillary services.

Altenso has transferred the Battery Park Metelen to MEAG

Altenso has completed the transfer of the Battery Park Metelen to MEAG. With the handover, ownership and operational responsibility for the asset have been assumed by the investor. Altenso will remain closely involved in the project and will take over ongoing operations and maintenance (O&M), ensuring reliable and efficient performance of the battery storage system throughout its operational lifetime.

Wiebke Krüger, Head of Operations, SMA Altenso: "The Battery Park Metelen stands for technological progress and our clear commitment to shape innovative energy solutions. State-of-the-art battery storage systems like this one enable a more efficient integration of renewable energy into the power system and make a significant contribution to strengthening grid stability in Germany. We would like to thank MEAG for the trusting partnership and our shared vision of the energy transition."



More than just storage: flexibility, and local value

Battery energy storage systems are a cornerstone of modern, future-ready power infrastructure. Facilities such as Metelen play a critical role in integrating renewable energy, making electricity flexibly available when demand arises. Through the provision of fast-responding balancing power, the system compensates for fluctuations in renewable generation and supports frequency control. Combining high-performance technology with market-driven optimization, the project with a storage capacity of 231 MWh could theoretically supply enough electricity to meet the needs of approximately 140,000 households for four hours.

Strengthening a long-term partnership and future

At a second site in Hoexter, North Rhine-Westphalia, Altenso is currently constructing another utility-scale BESS for MEAG. The project (130 MW of power and 354 MWh of capacity) will feature SMA's advanced SiC MOSFET inverter technology and the construction of two high-voltage grid connections, allowing the market rollout of two identical but fully independent energy storage systems.

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About SMA Altenso

SMA Altenso GmbH is a wholly owned subsidiary of SMA Solar Technology AG. The young, diverse and dynamic company aims to drive the energy transition by delivering innovative projects around the world. As an international system integrator based in Germany, Australia, and South Africa, Altenso offers comprehensive solutions designed for the integration of complex energy systems. These include large-scale BESS, hydrogen applications, as well as islanded and hybrid solutions for both off-grid and grid-connected energy supplies.

About SMA

As a leading global specialist in photovoltaic and storage system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV and battery inverters, holistic system solutions for PV and battery-storage systems of all power classes, intelligent energy management systems and charging solutions for electric vehicles and power-to-gas applications. Digital energy services as well as extensive services round off SMA's range. The SMA PV inverters sold around the world since 2006, with a total output of approximately 156 GW, have helped to avoid greenhouse gas emissions of more than 69 million metric tons of CO₂e. This corresponds to avoided environmental costs of approximately €21 billion. SMA's multi-award-winning technology is protected by more than 1,600 patents and utility models. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and is listed on the SDAX and TecDAX indices.



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