

INTERVIEW WITH ENERGY STORAGE SYSTEM INTEGRATOR



What does a battery energy storage system integrator do? Image: RWE. The battery energy storage system (BESS) industry is changing rapidly as the market grows. At the heart of what is becoming a crowded and competitive market is the role of the system integrator: putting together the components and technologies that bring BESS projects to life.



What does a system integrator do? System integrators, defined as companies involved in system assembly, design and commissioning of energy storage projects are increasingly adding software expertise to their core competency set.



Who are the leading battery storage system integrators in 2023? Image: W?rtsil?. As with previous years, our year in review wrap up of 2023 includes interviews with a handful of industry players from around the sector. This 2023 edition kicks us off with the views, recollections, insights and predictions of representatives at two leading battery storage system integrators: W?rtsil? and IHI Terrasun.



Should storage integrators diversify their supply chain? Supply chain constraints have eased significantly compared to the last few years. But many storage integrators, including W?rtsil? ES&O, are pushing ahead with plans to diversify their supply chains with an emphasis on regionalisation.



Is W?rtsil? a good energy system integrator? Both hardly require any introduction: W?rtsil? has a portfolio of more than 3.5GW and 7.5GWh of energy storage projects awarded, contracted or in deployment and was again this year ranked in the top five global system integrators by volumes deployed or contracted according to S&P Global.

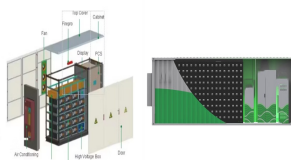
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Do system integrators have an advantage? One piece of IP held firmly to by system integrators and still considered an advantage is their expertise with energy management systems(EMS). System integrators have deep knowledge of the hardware required for BESS projects, which in turn makes them well qualified to know what sort of software will drive that hardware.



IHI Terrasun staff working on the Gemini solar-plus-storage project in Nevada, US. Image: IHI Terrasun "One of the key trends that readers should closely monitor is the advancements in safety within storage ???



New data published by S&P Global has revealed the five largest battery energy storage system (BESS) integrators in the world. Together, the top five have installed more than a quarter of the energy storage currently in ???



The orders are for Canadian Solar's battery energy storage system (BESS) integrator arm e-Storage's grid-scale product, the 2.5MW/5MWh Solbank, as well as its engineering, procurement and construction (EPC) services and ???



According to the report, Sungrow dominated the market with 16% of global market share rankings by shipment (MWh), jointly followed by Fluence (14%) Tesla (14%), Huawei (9%) and BYD (9%). Kevin Shang, senior ???

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Powin has debuted a modular battery storage container platform that enables the system integrator's utility-scale projects to add 50% more capacity for the same footprint. The new platform, Powin Pod, was launched ???

APPLICATION SCENARIOS



System Integrator of the Year Award ??? Fluence. Highly Commended ??? NHOA Energy . Fluence returned to win System Integrator of the Year for the second year running. Founded in 2017 as a joint venture between ???



According to S& P, the top five system integrators by installed projects as of July 2023 are: Sungrow, a China-headquartered inverter and battery storage provider ; Fluence, a listed pure-play battery storage system ???



The complex nature of energy storage projects. Energy storage projects are inherently more complex than more commonly "self-integrated" renewable energy projects, like solar farms for example, due to the fusion of ???



System integrator Eco Stor is planning to build a 300MW/600MWh battery energy storage system (BESS) in Saxony-Anhalt, Germany, one of the largest projects in Europe. The project will be completed in 2025, managing ???

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Fluence has to-date assembled all of its energy storage solutions at a contract manufacturing facility in Vietnam, pictured. Image: Fluence. Fluence's new Utah facility is part of a wider move by the company to ???



Lu said the new Powin Energy battery energy storage system (BESS) product would be a higher power and higher energy density alternative to its current Centipede modular grid-scale platform, in a response to a question ???



Battery storage system integrator FlexGen and battery manufacturer Hithium could be supplying each other with complementary technologies for large-scale battery energy storage system (BESS) projects. ???



The company provided major utility Southern California Edison (SCE) with its first grid energy storage pilot system under a procurement programme established in 2015. It allowed SCE to employ energy storage ???

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S& P Global has released its latest Battery Energy Storage System (BESS) Integrator Rankings report, using data for installed and contracted projects as of 31 July, 2024, showing the top five globally remains the same ???



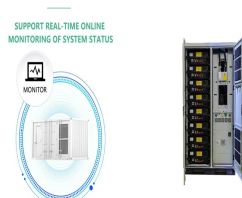
We are pleased to share our Energy Storage interview with Bono Ge, Senior Sales Manager. Operators shall operate the system as pre-defined and try to search for more revenue streams for energy storage systems. ???



The CEO of LG Energy Solution Vertech, Jaehong Park, speaks to Energy-Storage.news Premium for an exclusive interview. When LG Energy Solution, the energy storage arm of South Korean conglomerate LG's battery ???



LG Energy Solution's exhibition stand at RE+ 2024. The company was among those that brought a full-size replica of its BESS container solution to the event. Image: Andy Colthorpe / Solar Media. LG Energy Solution VP ???



A 600kWh BESS unit at a C& I location deployed by Energy SpA, one of the two firms launching the gigafactory. Image: Energy SpA. System integrator Energy SpA and its vertically integrated peer Pylon Technologies ???

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Energy storage projects are where system integrators come into play. These professionals play a key role in battery energy storage system design, ensuring that it is reliable, efficient and cost-effective. In this article, ???



The battery storage systems will be delivered to an independent power producer (IPP) customer, FlexGen said in a press release sent to Energy-Storage.news yesterday. While the customer has not been named, FlexGen ???



Energy-Storage.news Premium hears from Bud Collins, CEO of American Energy Storage Innovations (AESI), about its BESS technology, battery cell strategy, manufacturing in East Asia and the "shocking" price of ???



Solarpro is a multi-technology integrator with expertise in hybrid projects that include photovoltaic (PV), wind, battery energy storage systems (BESS), and hydrogen solutions. As a leading EPC contractor with 15 years of ???



Interview with Jaehong Park, President of LG Energy solution Vertech Seoul, Korea, July 23, 2023 ??? LG Energy Solution Vertech, established by LG Energy Solution to target the US energy storage system (ESS) LG Energy ???

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What role do you think energy storage will play in future energy systems? This question can offer insight into their vision and thought leadership. Do they see storage as the ???



Jaehong Park speaking at last year's LG ES Vertech launch at RE+, in Las Vegas, US. Image: LG Energy Solution. Being able to create a single contract for project delivery is perhaps the biggest advantage of vertically ???