



Virtual power plant for the Japanese market be.storaged launches direct marketer for the Japanese energy industry

[Oldenburg, 27.09.2023] - be.storaged, a leading provider of battery storage and energy management solutions from Oldenburg, Germany, announces the operational launch of a groundbreaking cooperation with Hitachi Power Solutions and HSE, major players in the sustainable energy industry in Japan, for the Japanese market. To support the Japanese power system in the field of renewable energies during a crucial transformation phase, a so-called VPP (Virtual Power Plant). The collaboration was preceded by a highly successful and harmonious collaboration on the NEDO project for a hybrid storage facility in Varel, which took place from 2017 to 2022.

At its core, the joint project involved the introduction of a VPP for the Japanese market in order to respond to changing conditions in the local energy industry at an early stage and to point the way to a sustainable future. Currently, the Japanese energy industry is in a transitional phase from the "Feed-In-Tariff" (FIT) to the "Feed-In-Premium" (FIP) model with regard to its renewable energy plants - from now on, plant operators must forecast the expected amount of produced electricity and trade it accordingly through a direct marketer on the Japanese power exchange JEPX. To handle this new regulation performance-oriented and efficient, be.storaged developed and implemented a VPP for wind turbines which HSE operates in Japan in the first step and put it into productive operation in March 2023. Since then, be.storaged has been responsible for forecasting the power generation of the wind turbines, aggregating it and then sending it to the Japanese electricity trader. The starting signal for the joint VPP project was given as early as 2021. Test operations started in July 2022. HSE currently manages a total portfolio of 34 wind farms in Japan, which are to be fully transferred to FIP, and would also like to expand this business area into PV systems. Unlike in Germany, mainly small PV plants exist in Japan, which require efficient and cost-effective VPP structures.



Chiharu Sato, Senior Manager of Hitachi Power Solutions, on the cooperation: "I am convinced that the reasons why this joint development was possible despite over 3 years of Covid-19 pandemic are that the encounters we had on the project 'Large-scale hybrid battery storage system demonstration project in Lower Saxony, Germany' since 2017, and also the teamwork between Japan and Germany have had a great impact on completing this difficult project. For Hitachi Power Solutions, the technology and experience of Germany, an energy-advanced country that introduced FIP 10 years before Japan, is an extremely valuable resource. We are looking forward to continuing to take on even higher-level challenges together in the future."

Hendrik Brockmeyer, Managing Director of be.storaged, on the cooperation: *"I am very pleased to be able to implement this exciting and pioneering business model together with our partner Hitachi Power Solutions and the be.storaged team. With our expertise in the field of energy optimization, we are a strong partner against the backdrop of a dynamic energy market and can optimally incorporate our experience. My special thanks also go to Hitachi, a company with which we have already been working intensively and very trustfully since 2016 and very successfully projected the hybrid storage in Varel. It's great that this trusting cooperation is now finding a promising continuation in Japan. Because only with close and friendly cooperation can we start together into a sustainable future in the energy sector."*

The introduction of the VPP ran, in close cooperation with Hitachi Power Solutions and HSE, through a total of six project phases. be.storaged first prepared a feasibility study and a benchmark of feed-in forecasts. Subsequently, a demonstrator was introduced and the VPP was implemented. After a successful test phase of several months, the VPP is already in productive operation. In the next step, the plant portfolio will be successively expanded to include further wind farms as well as being used for the marketing of PV plants in Japan.



About be.storaged:

be.storaged, a subsidiary of EWE AG founded in 2017, provides innovative and efficient energy storage or energy management systems for customers and partners. These offer both technically and economically sustainable solutions for intelligent energy use. With now more than 60 employees in the areas of project planning, realization, software development, operation and marketing, be.storaged combines expert knowledge with experience from the energy industry and can thus offer optimally coordinated offers of technology, software, operation and marketing. All of this has one goal: to make the procurement or use of electricity for customers as sustainable and thus cost-effective as possible, while at the same time thinking today about the energy supply of tomorrow.

About Hitachi Power Solutions Co.,Ltd.:

In the energy and infrastructure fields, Hitachi Power Solutions develops service and green businesses that use digital technology and provides solutions that support energy and social infrastructure based on technologies and know-how accumulated in businesses related to "Services," "Green," and "Digital."

About HSE Ltd:

HSE is the wind power generation company of Mitsubishi HC Capital Group currently operating 34 wind power farms (approx. 212MW of the total equity-owned by HSE) in Japan.

Also, HSE has invested a wind power generation company in Vietnam and contributes to building a decarbonized society and sustainable economic and social development there.

In FY2023, HSE completed the switchover from the FIT (Feed-in-Tariff) system to the FIP (Feed-in-Premium) system at 6 wind farms in Tohoku area (total generating capacity: 101.6MW) and became an aggregator at the same time. Providing non-fossil value as an aggregator and FIT and FIP scheme renewable electricity, HSE intends to build a decarbonized society.

be.storaged GmbH

Phone: +49 (0) 441 350 197 0

eMail: info@be-storaged.com

Website: <http://be-storaged.de>