Press release

Battery energy storage facility with a nominal power capacity of 49.9 MW has been established in Buj

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Buj Battery Ltd. has commissioned an electricity storage facility with a nominal power capacity of 49.9 MW and a storage capacity of 144.288 MWh in the municipality of Buj, located in Szabolcs-Szatmár-Bereg County, Hungary. The state-of-the-art battery energy storage system, which is the largest battery energy storage facility in Hungary to date, will play a key role in stabilizing the national electricity grid and storing electricity generated from renewable energy sources.

For the implementation of the project, the company, as the final beneficiary, received HUF 5.677 billion in non-repayable funding under the European Union's "RRF-6.5.1-23 Deployment of Grid-Scale Energy Storage Facilities by Energy Market Participants" call for proposals.

The objective of the "RRF-6.5.1-23 Deployment of Grid-Scale Energy Storage Facilities by Energy Market Participants" call is to encourage investments in grid-scale energy storage systems capable of participating in the balancing energy and balancing capacity markets, while also facilitating the integration of weather-dependent renewable energy sources.

The energy storage facility will play an important role in regulating the national electricity grid and enhancing the security of electricity supply. By storing electricity that has been generated but not immediately consumed and feeding it back into the grid during peak demand periods, the system increases the flexibility of the entire Hungarian electricity network. It supports frequency and voltage regulation while ensuring a more stable and affordable energy supply not only for electricity consumers but for the power system as a whole.

From a technological perspective, the energy storage system is based on the technology of the Greenvolt Group, the parent company of Buj Battery Ltd. The project's planned completion date was April 30, 2026. The accreditation of the energy storage facility's aFRR (Automatic Frequency Restoration Reserve) capability was carried out by MAVIR Ltd., Hungary's transmission system operator. The project was implemented within the framework of Hungary's Recovery and Resilience Plan.

For further information, please contact:
Attila Piskóti, SEC Newgate Hungary
E-mail: attila.piskoti@secnewgate.com