

Energy storage for grid stability czech republic

[Prague - July 10, 2024] - Decci Group is starting the operation of a hybrid energy source of ancillary services (AnS) with the largest battery storage in the Czech Republic in the village of Vraňany, in the district of Mělník. Energy nest has a total installed output of 52,4 MW including the battery storage and combines innovative technologies with a custom-developed software system that stabilizes the transmission network.

This modern energy source flexibly responds to surpluses or deficits in the grid, and outside of active service, remains in standby mode with a zero-emission footprint, eliminating the need for inefficient fuel usage. Energy nest is not only a flexible and innovative solution, but also an environmentally-friendly energy source.

The Czech Institute of Informatics, Robotics, and Cybernetics (CIIRC), at the Czech Technical University (CTU), developed a custom software system for the energy project. Group Decci obtained a club loan of 750 million CZK from leading banking institutions, Česká spořitelna a.s. and Komerční Banka a.s., for project financing.

We are DECCI, a modern energy group, operating in the renewable energy market since 2007. Through our subsidiaries, we own, implement, and operate a portfolio of energy projects in the field of renewable resources as well as modern energy. Our long-term mission is to create decentralized and climate-friendly energy solutions that react responsibly to the changes in the future energy mix and creates reliable energy infrastructure.

About AKU-BAT DECCI group is a founding member of the Energy Storage Association (AKU-BAT), which brings together the most important entities active in the field of energy storage and is a founding member of the Union of Modern Energy. AKU-BAT supports the cooperation of its members across the entire spectrum of services, from the use of storage in industry, energy, or as a flexibility element, through e-mobility to the development of hydrogen technologies.

Decci Group is starting the operation of a hybrid energy source of ancillary services (AnS) with the largest battery storage in the Czech Republic in the village of Vraňany, in the district of Mělník. Energy nest has a total installed output of 52,4 MW including the battery storage and uses innovative technologies.

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The largest battery system in the Czech Republic has been launched. With a capacity of 10 MW, the battery is more than 30% larger than the current market leader. It can absorb energy to cover the daily consumption of 1,300 households and at the same time contributes to stabilising the grid and ensuring the required electricity parameters. Thanks to its unique design, it has a 20 percent higher capacity compared to standard batteries.

EEZ is fulfilling one of the goals announced in the Clean Energy of Tomorrow strategy: to build a 300 MW energy storage facility by 2030 and support the transformation of the Czech energy sector.

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