Energy storage systems hungary

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Three Tesla Megapacks have arrived for installation at a power plant in Hungary, the first energy storage project in the country to use the EV giant’s grid-scale product.

The three units arrived on-site for installation at the Dunamenti Power Plant, which is owned by Swiss-based energy company MET Group, last week Friday (9 September). Dunamenti is the largest gas-fired power plant in Hungary at 794MW.

MET Group said it is the first company in the country to install a Tesla Megapack energy storage system, although a press release did not make it clear if the units have been fully installed yet. When it chose Tesla’s technology for the system back in December 2021, it said the project would be installed in summer 2022.

The energy storage system will help Hungary’s grid operator to maintain the balance in the power grid to ensure security of electricity supply during peak consumption periods, the company said.

P?ter Horv?th, CEO of the Dunamenti Power Plant, said: “We expect a rapid rise of energy storage solutions in the electricity sector over the next decade. So, following this pilot project, we plan to install additional electricity storage capacities in the coming years.”

One of Hungary’s other large battery energy storage projects in recent years was also at a natural gas plant, a 6MW/4MWh (40 minutes’ duration) system installed by W?rtsil?. That system was designed to operate in "virtual power plant mode" to help regulate the grid, as well as providing primary and secondary frequency regulation services.

The country is also notable for being chosen as the location for several high-profile lithium-ion battery gigafactory projects, including from Samsung, SK Innovation and most recently CATL, as covered by Energy-Storage.news.

Swiss-based MET Group has worked to expand its renewables portfolio in recent years and by now, the company has built, operates and is developing wind and solar parks in Hungary, Bulgaria, Spain, Italy, and Poland.

"MET is fully committed to supporting the energy transition. In addition to building renewable power plants, the company seeks to facilitate this transition with investments aimed at boosting the flexibility of production," said Bal?zs G?bor Leh?cz, vice president of MET Asset Management Holding AG.

The first such project is the installation of an energy storage system consisting of three Tesla MegaPack based

lithium-ion batteries, which have arrived on site at the Dunamenti Power Plant today.

The three MegaPack containers have a capacity of 7.68 MWh, which can be used as required, for example to maintain the balance in the power grid to ensure security of electricity supply to customers at times of peak consumption.

The system will be capable of storing energy for two hours, which is almost unique in Hungary, since the energy storage practice in the country has so far been based on performance-optimized storage cycles of half an hour to one hour maximum, informs MET Group.