Hospital energy storage jerusalem

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Thermal energy storage companies Kyoto Group and Brenmiller have inaugurated and won funding approval for projects in Denmark and Israel, respectively.

Kyoto Group announced the official inauguration of its Heatcube thermal energy storage system at the Norbis Park in Denmark, a power plant complex currently comprising the coal and gas-fired Nordjylland Power Station, but seeking to shift to renewables, yesterday (5 September).

Testing began on the 4MW/18MWh system last month, as reported by Energy-Storage.news.

The company’s Heatcube technology uses electricity to store thermal energy by heating molten salt to 415?C and then creating steam. It can be used for industrial processes that require lots of heating but the Norbis project will allow Aalborg Forsyning, the local utility that owns the complex, to provide greener heat energy to the local district heating network.

Camilla Nilsson, Kyoto Group CEO, said: "This installation marks the first application of molten salt energy storage technology in a new market segment, despite its long-standing use in concentrated solar power facilities. This is a significant milestone, advancing the efforts to decarbonise heat through electrification.”

If the US$3.7 million were to be paid upfront and cover the project’s cost, the claimed savings on bills would equate to a capital payback of just under three years.

"Brenmiller"s approval to move forward with an agreement with Wolfson Hospital is a great example of how novel, clean energy technologies have the potential to meet the demanding needs of critical, large-scale facilities like hospitals," said Brenmiller Energy Chairman and CEO Avi Brenmiller.

The bGen thermal storage technology charges by heating rocks using electrical power and then storing that power at a temperature of 750?C. It discharges by releasing the accumulated heat to heat pressurised water and generate steam for electricity or for industrial heating processes.

Brenmiller inaugurated its first large-scale production facility in May this year, also in Israel.

news, conferences, policy discussions and academic publications on environmental issues and climate change in the Eastern Mediterranean

By harnessing electricity from the grid during periods of low pricing throughout the day, the hospital will be equipped to store this energy and deploy it during high demand.

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