Shell energy europe battery

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The project is located at Minety, Wiltshire, southwest UK. The designed installed capacity/energy is 100MW/100MWh. It applies LiFePO/ ternary lithium battery technology. It is planned to put into operation at the end of 2020.

In recent years, with the rapid development of wind power in UK, the intermittence and fluctuation of wind power output is making the imbalance of time for supply and demand more and more obvious. After the project"s operation, it will become the largest battery energy storage project in Europe, providing power source emergency support when the main grid has an accident, and elevating effectively the safe operation level of the grid.

"Projects like this will be vital for balancing the UK"s electricity demand and supply as wind and solar power play bigger roles in powering our lives," David Wells, vice president of SEEL, said. "Batteries are uniquely suited to optimizing power supplies as the UK moves towards net-zero carbon system."

Batteries are expected to play a key part in the transition to a low-carbon energy system by absorbing excess energy when supply exceeds demand in some areas, then supplying that power to the grid when needed.

Limejump, a wholly-owned Shell subsidiary that manages the largest network of batteries in the UK, will optimize the use of Europe"s biggest battery through its pioneering Virtual Power Platform.

Recharge is the world"s leading business intelligence source for the renewable energy industries. We provide award-winning international coverage of breaking news, in-depth features and analysis across the wind and solar sectors. Learn about key energy issues as they happen and get industry insight from our experts.

The German language is said to have a word for everything. Dunkelflaute -- sometimes translated to "dark doldrums" -- refers to the times when it is neither windy nor sunny.

Dunkelflaute is a major problem for anyone relying purely on solar panels or wind turbines to power their home, business, or charge up their electric car.

The answer to this problem is batteries: big, fridge-size batteries that store energy when renewable sources are available and can discharge it when needed so homeowners can flick the lights on, run the dishwasher and stream Netflix.

The best-known is the Tesla Powerwall, which has a market-leading 30 per cent share of sales in the US, according to Frost & Sullivan, a consultancy. But the competition is getting more intense since two European groups entered the fray in the past month.

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First, the Anglo-Dutch oil and gas major Shell purchased German start-up Sonnen, Europe"s largest maker of home battery systems.

Sonnen chief executive Christoph Ostermann says the Shell acquisition underscores "what everyone who isn"t dumb and blind acknowledges: renewable energy is not stoppable any more".

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