

How will Bess evolve in 2024?

In summary, the evolution of BESS in 2024 is characterised by several key trends: a continued focus on safety, the commercialisation of non-lithium technologies, the extension of battery durations for large-scale systems, and the exploration of additional revenue streams through complex operational strategies.

How did Bess perform in Q2 & 3?

However German BESS assets have seen a sharp revenue stack recovery across Q2-Q3, with revenues back above 150 EUR/kW/yr levels in Q3. This recovery has been supported by strong intraday market volatility and real-time aFRR energy prices.

Will shell pay the owners a fixed fee for Bess?

Shell will pay the owners a fixed fee for the BESS and keep all the upside. It may be the first tolling deal of this size for a single asset, but the first major UK tolling deal announced in the UK was by Gresham House and Octopus Energy for a 568 MW portfolio of operational projects earlier this year.

How has Bess performed in the next 1-2 years?

Day-ahead price spreads capturable by 2 hour duration BESS recovered from below 40 €/MWh in Feb to around 70 €/MWh in Aug. BESS revenues have also been supported by: an increase in negative prices & intraday value capture. Gas price levels and the pace of RES penetration growth are two key drivers to watch across the next 1-2 years.

How did German Bess perform in Q1 2024?

Q1 2024 was challenging for German BESS, with achieved revenues plunging below 100 EUR/kW/yr as a mild winter & weak gas prices took hold, as shown in Chart 1. However German BESS assets have seen a sharp revenue stack recovery across Q2-Q3, with revenues back above 150 EUR/kW/yr levels in Q3.

How does a Bess work?

A BESS is typically comprised of battery cells arranged into modules. These modules are connected into strings to achieve the desired DC voltage. The strings are often described as racks where the modules are installed. The collected DC outputs from the racks are routed into a 4-quadrant inverter called a Power Conversion System (PCS).

The UK's Department for Net Zero and Energy Security (DESNZ) has confirmed a new scheme today (10 October) aiming to stimulate investment in the country's long-duration energy storage (LDES) sector.

Norwegian oil and gas giant Equinor's 25 MW/50 MWh Blandford Road battery energy storage system (BESS) has commenced operations. The two-hour duration storage asset, which is fully owned by Equinor, is located in ...

The Vertiv(TM) DynaFlex BESS uses UL9540A lithium-ion batteries to provide utility-scale energy storage for mission-critical businesses that can be used as an always-on power supply. This energy storage can be used to smooth out ...

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The evolving BESS market in 2024: A key year for safety, new technologies, and long-duration energy storage. By Dr. Matthias Simolka, product manager, TWAICE. February 19, 2024. ... This extension in duration ...

The final energisation tests for the 2-hour duration BESS, located at Salisbury, Wiltshire, were completed last week, and the asset is now trading in Great Britain's wholesale energy market. In the Republic of Ireland, ...

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We model Italian BESS at a fully zonal level and in Chart 3 we show BESS revenues for the North & South zones (2 of the 6 zones). Historical and projected revenue numbers for all 6 zones are available in our new Italian ...

