Irish Carbon Battery Energy Storage System

Overview

The Shannonbridge B Synchronous Condenser and Battery Energy Storage System (BESS), which helps to significantly improve Ireland's energy security and enhances grid resilience, is a state-of-the-art development completed earlier this year. Statkraft, the largest producer of renewable energy in Europe, has launched Ireland's first ever four-hour grid-scale Battery Energy Storage System beside its windfarm at Cushaling in Co Offaly. It can store enough power to supply 10,000 homes with renewable electricity for a full four-hour period . Our first large-scale installation in Aghada, Cork, went live in 2022, followed by a 75MW facility at Dublin's Poolbeg Energy Hub, Dublin in February 2024. Now, a second phase of BESS launched at Aghada in November has added a further 150MW of fast-response storage to Ireland's electricity network. SSE's 50MW battery storage asset at Salisbury in Wiltshire, England, which entered commercial operation in April 2024. Picture credit: SSE Renewables. SSE has acquired the project development rights for a 120MW/240MWh grid-scale battery energy storage system (BESS) project in . Shannonbridge B, delivered in partnership between Lumcloon Energy and Hanwha Energy, combines a 4,000MVA Synchronous Condenser and a 180 MWh Battery Energy Storage Project. Offaly, 6th November 2024: .

Irish Carbon Battery Energy Storage System

Ireland's first four-hour battery storage system launched

It can store enough power to supply 10,000 homes with renewable electricity for a full four-hour period after the wind has stopped blowing. The 22.8-megawatt battery system has already

Battery storage - a key pillar of enabling a net zero carbon emissions

By facilitating the integration of a growing volume of renewable energy on the grid to meet Ireland's climate targets, BESS will be a critical technology on the path to eliminating carbon from our

Ireland's first hybridised grid-stabilisation system officially opened

The project is the first in Ireland to combine a hybrid system of energy storage technologies, including a 4,000MVA Synchronous Condenser and a 180 MWh Battery Energy

ESB launches 150MW/300MWh Irish BESS

Irish state-owned electricity company ESB has opened a 150MW/300MWh battery energy storage system (BESS) at its Aghada site in Co Cork. The project is the latest step in ESB's

Two become one: Siemens Energy combines two technologies to

Siemens Energy will deliver the first-ever hybrid grid stabilization and large-scale battery storage plant at Shannonbridge in Ireland. This is the first time, these two technologies have been

SSE acquires 120MW/240MWh battery storage project in Ireland's

SSE has acquired the project development rights for a 120MW/240MWh grid-scale battery energy storage system (BESS) project in Ireland's Midlands from UK-based renewable energy

Battery storage update reduces Ireland's reliance

Large battery storage units are now playing a bigger role on Ireland's electricity system, after a large change introduced by EirGrid and its partners last year. Before November 2025,

Grid upgrade to boost battery storage role in power system

EirGrid, SONI, and SEMO have launched a major update to the electricity grid's Scheduling and Dispatch system, paving the way for large-scale battery storage to play a bigger role

SSE acquires 120MW/240MWh battery storage project in County Offaly

Under the deal, SSE Renewables has acquired the consented Thornsberry BESS project from Grid Systems Services Limited, a developer of grid-scale battery storage projects in Ireland

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