

# Irish Gravity Energy Storage Project





## Overview

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What is energy storage Ireland?

Energy Storage Ireland is a newly established representative body composed of industry members who are active in the development of the energy storage market in Ireland.

What are the benefits of a gas storage facility in Ireland?

These include: Re-uses the only proven gas storage facility in Ireland (sustainability). Provides in country large scale energy storage (security of supply). Provides 100% back-up for energy system (system resilience/security). Provides a pathway for future hydrogen storage (decarbonisation).

How much battery storage do we need in Ireland & Northern Ireland?

In 2021 energy experts Baringa estimated that to hit the 80 per cent renewable electricity targets in Ireland and Northern Ireland by 2030 we would need at least 1,700 MW of battery storage on the island of Ireland. Every battery storage project connected makes our electricity grid more secure and helps to integrate wind and solar power.

Which battery energy storage systems are available in Ireland?

The Kylemore Battery Energy Storage System in Dublin went into operation in 2023 and has the capability of providing 30MW of fast-acting storage. The South Wall Battery Energy Storage System went live in 2023 and has the capability of providing 30MW of fast-acting energy storage.



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### [Two become one: Siemens Energy combines two ...](#)

Oct 17, 2023 · 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 ...

### **Our Energy Storage Future**

Jun 26, 2023 · 1 Executive Summary The use of energy storage is critical for the future security, reliability and operation of Ireland's power system. Energy storage technologies are a key ...



### **Charged Horizons**

Jan 29, 2024 · In 2021 energy experts Baringa estimated that to hit the 80 per cent renewable electricity targets in Ireland and Northern Ireland by 2030 we would need at least 1,700 MW of ...

### [Global LDES Project Tracker 2025: Gravity, Thermal & CAES](#)

1 day ago · A global tracker of long-duration energy storage projects in gravity, thermal, and CAES--key players, regional trends, risks, and catalysts for 2025-2030.



### [Irish energy industry calls for 500 MW of storage capacity by ...](#)

Dec 3, 2025 · Irish grid operator EirGrid has set the proposed minimum procurement for long-duration energy storage (LDES) procurement at 201 MW, well below its initial 2030 goal of 500 ...

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