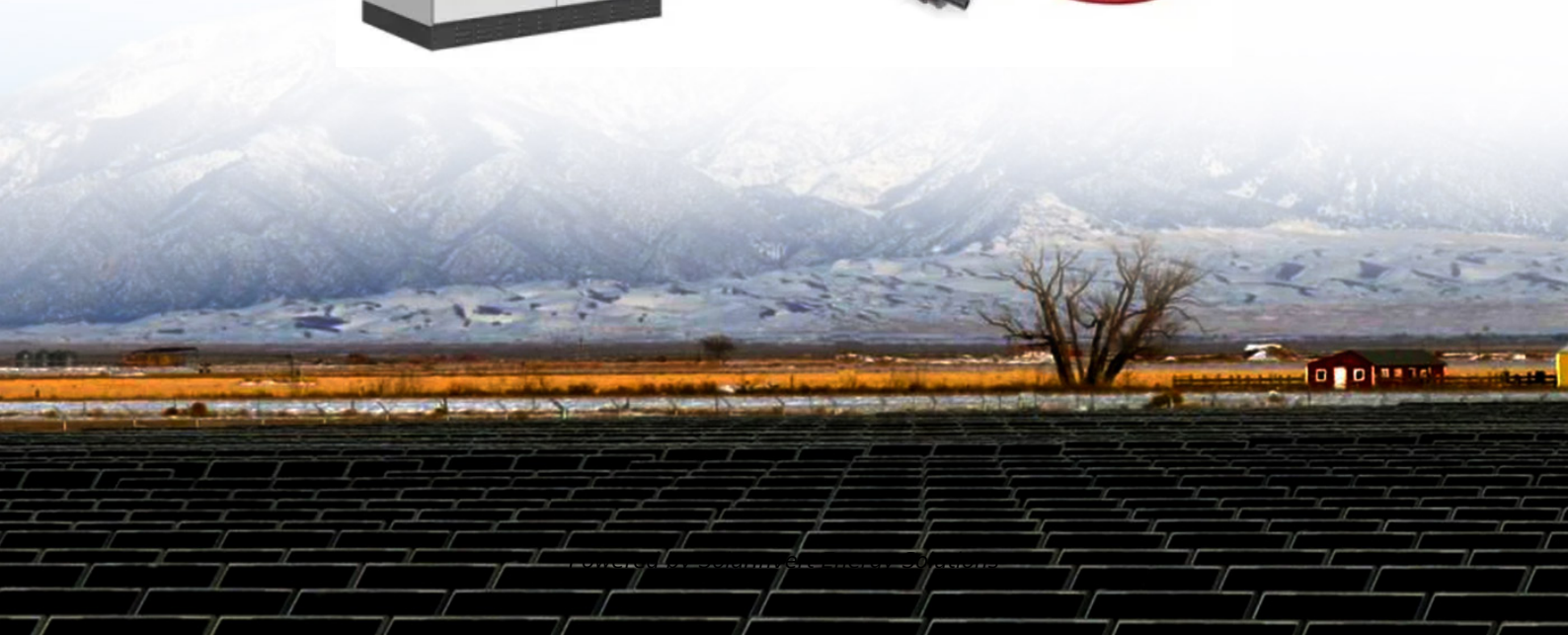


## SolarInvert Energy Solutions

# Irish Sunshine Energy Storage Project



## Overview

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What's going on with energy storage in Ireland?

Bobby Smith, head of Energy Storage Ireland, looks at the huge leaps forward for Irish renewables. He talks to Jillian Godsil An artist's impression of the planned Ballynahone Energy Storage plant in Donegal. The proposed concept will be the first battery storage project of its kind in Europe.

Will Ireland be the first battery storage project in Europe?

The proposed concept will be the first battery storage project of its kind in Europe. Bobby Smith, head of Energy Storage Ireland, highlights a critical need for clear policy and infrastructure development to ensure Ireland meets its renewable energy goals.

What is Ireland's energy storage policy?

This is the first electricity storage policy published in Ireland. The Irish Government's Climate Action Plan 2021 set out the need for an energy storage policy for Ireland to support 75% reduction in power sector CO2 emissions by 2030.

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.

What factors influence Ireland's energy storage needs?

As illustrated by the scenario modelling, Ireland's energy storage needs will be influenced by longer-term developments in the composition of the energy mix, zero emission generation capacity, the balance of electricity supply and flexible demand enabled through the deployment of energy storage, and the

operation of interconnection capacity.

Can We decarbonise Ireland without energy storage?

There are nearly 60 more battery storage projects – 2,500 MW – in development on the island and we are confident of delivering on our 2030 targets. We cannot decarbonise Ireland without first decarbonising our electricity system. And we cannot eliminate carbon from our electricity supply without energy storage.

## Irish Sunshine Energy Storage Project

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### EnergyPathways sets five-year timeline for Irish ...

Jan 13, 2025 · Marram will produce via a subsea-beach project. Recently, EnergyPathways named Wood as project lead engineering partner for MESH. ...

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## Ireland's Leap Towards Long-Term Energy Storage

Oct 8, 2024 · In a ground breaking development for renewable energy in Ireland, FuturEnergy Ireland has proposed a pioneering iron-air battery storage project in Donegal County. If ...

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### New batteries based on rusting will help make ...

Jun 5, 2025 · Iron-air batteries are a new form of long-duration energy storage (LDES) that is needed to help Ireland reduce its dependence on fossil gas and ...

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## Ireland to see major battery storage boom to 2030

Nov 18, 2024 · The Single Electricity Market in Ireland is set to see a battery energy storage system (BESS) boom into 2030, finds Cornwall Insight.

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## Unlocking the potential of long-term energy ...

Sep 11, 2024 · Generally, energy storage should be located proximate to the end user to minimise costs. However, as discussed above, Ireland's future energy ...

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## SSE receives planning approval for Mullafarry ...

Apr 28, 2025 · SSE has received a grant of planning permission from Mayo County Council for its proposed Mullafarry Battery Energy Storage System ...

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## Clarity on battery policy vital for Irish energy goals

Jun 1, 2025 · Bobby Smith, head of Energy Storage Ireland, highlights a



critical need for clear policy and infrastructure development to ensure Ireland meets its renewable energy goals.

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## ESB officially unveils battery storage project in ...

Nov 18, 2024 · ESB has opened its latest major battery plant at its Aghada site in Co Cork which will add 150MW (300MWh) of fast-acting energy storage to ...



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Nov 18, 2024 · The Electricity Supply Board has opened a new major battery plant at its Aghada site in County Cork. The project will add 150MW ...

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## Ireland - A Game Changer for Long Duration Energy ...

Oct 16, 2024 · The Irish Government's Climate Action Plan 2021 set out the

need for an energy storage policy for Ireland to support 75% reduction in power sector CO2 emissions by 2030.

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## EUR650m Silvermines hydro project enters permit-granting stage

Mar 7, 2025 · Plans to establish a EUR650m hydroelectric pumped storage power project located at the former mine site in Silvermines, Co Tipperary, have taken a major step forward.

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## Ireland: first 4-hour BESS showcases market ...

May 29, 2024 · The first 4-hour battery storage project in Ireland exemplifies challenges and opportunities of the country's growing and evolving market.

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## ESB opens 150MW battery storage plant in Cork

Nov 22, 2024 · ESB has opened a major





battery plant at its Aghada site in Co Cork, adding 150MW in energy storage to help provide grid stability and deliver more renewable power. The ...

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## The benefits of longer-duration storage and ...

Jun 26, 2024 · Statkraft's Rory Griffin writes about the development of Ireland's first 4-hour duration battery storage project, co-located with wind.

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Sample Order  
UL/KC/CB/UN38.3/UL



## SSE buys rights to develop battery energy ...

Nov 6, 2024 · The Thornsberry Battery Energy Storage System project, which is located near Tullamore, has a grid connection offer to connect 120MW of ...

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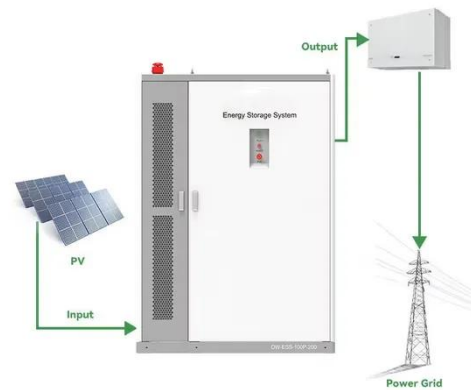
## Ireland: Work starts on 170MWh hybrid energy ...

Sep 7, 2022 · Construction has started on a project in Ireland pairing a battery



energy storage system (BESS) with a synchronous condenser, developed by ...

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## Ireland accelerates energy efficiency with new ...

Jun 19, 2025 · European cooperation drives local innovation Cooperation projects supported by Interreg programmes are part of the energy efficiency solutions ...

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## SSE acquires Irish BESS , Energy Global

Nov 7, 2024 · SSE Renewables has acquired the project development rights for a 120 MW/240 MWh grid-scale battery energy storage system (BESS) project in Ireland's Midlands from UK ...

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## Ireland to become leader in Europe's clean ...

Apr 10, 2025 · Wind turbine parts being stored at the Port of Esbjerg in Denmark.



Ireland is primed to become a leading player in Europe's clean energy future ...

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## Ireland's Energy Sector: Key Developments to Watch in 2025

Jan 22, 2025 · Ambitious climate targets, policy innovation, and infrastructure upgrades are set to transform Ireland's energy sector in 2025. Eoin Cassidy, Energy Sector Lead Partner, shares his insights on the opportunities and challenges ahead for businesses and investors ...

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## SSE Acquires Battery Project in Ireland from Low ...

Nov 14, 2024 · Low Carbon's Role in Energy Storage Low Carbon, the initial developer of the Thornsberry project, began its development in 2018 and has ...

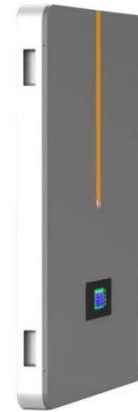
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## EUR650m Silvermines Hydro

## Project before An ...

Mar 7, 2025 · Plans to establish a EUR650m hydroelectric pumped storage power project located at the former mine site Silvermines in Co Tipperary have taken ...

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## Ireland in line for 1 GWh iron-air battery storage ...

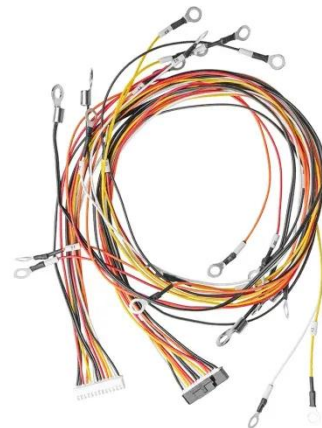
Sep 27, 2024 · Ireland could host Europe's first large-scale, iron-air project southwest of Buncrana town in Donegal County. The 10 MW facility proposed ...

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## Ireland in line for 1 GWh iron-air battery storage ...

Sep 27, 2024 · FuturEnergy Ireland is seeking "a 10-year permission for the development of a long-duration energy storage (LDES) compound with a total ...

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## Battery Storage

The Poolbeg Battery Energy Storage System in Dublin went into operation in November 2023 and has the capability of

providing 75MW of fast-acting energy storage. It is located at Poolbeg ...

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## Aberdeen's Zenith Energy secures work on Irish ...

Jun 9, 2025 · Aberdeen's Zenith Energy has secured a contract from EnergyPathways for work on the MESH project in the Irish Sea.

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## Ireland utility-scale energy storage to exceed ...

Jul 9, 2024 · The energy storage market in Ireland continues to show strong growth potential, with new additions providing an uptick in activity.

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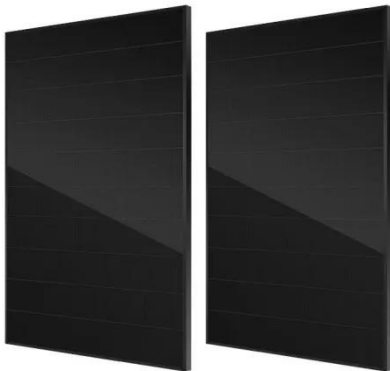


## Planning application submitted for first iron-air ...

Sep 30, 2024 · The proposed 'Ballynahone Energy Storage,' is

FuturEnergy Ireland's first battery storage project and, they said, the first of its kind in Europe.

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## Four-slot unmanned gas platform planned for Irish Sea Marram energy ...

Feb 10, 2025 · EnergyPathways has revealed more details of its planned Marram Energy Storage Hub (MESH) in the East Irish Sea and the technical design for the development's initial phase.

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## A Fleeting Ray of Sunshine - a Stable Energy Supply

Apr 6, 2025 · Solar panels supply electricity to the grid only when the sun is shining on them - limiting their output to daylight hours on non-cloudy days. Without a viable means of energy ...

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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 ...

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## Electricity Storage Policy Framework

Jul 4, 2024 · The Electricity Storage Policy Framework presents 10 government actions to support the role of electricity storage systems in Ireland's energy transition, identifying the key ...

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## Charged Horizons

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## Ireland - A Game Changer for Long Duration Energy ...

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