

## Kongres Container

# Classification of energy storage battery applications in Ireland



## Overview

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Battery storage will rapidly transform Ireland's transition to a low-carbon electricity system. As renewables like wind and solar increase their share of generation, the need for flexible storage assets grows ever more urgent. The business case for utility-scale batteries in Ireland remains in a

Energy Storage Ireland (ESI) is a representative body for those interested and active in the development of energy storage in Ireland and Northern Ireland. We work together to promote the benefits of energy storage to decarbonising Ireland's energy system and engage with policy makers to support.

By participating in the Irish day-ahead energy market, energy storage can reduce day-ahead carbon emissions by 50% by using long-duration storage technologies. This makes a material contribution to meeting ambitious 2030 power sector decarbonisation goals. Strategic deployment of energy storage in

Electricity storage, which entails capturing electricity produced at one time for future use, will be a key element in the successful operation of our electricity network and will accelerate our use of renewable electricity, providing cheaper, greener electricity to the consumer. Grid scale.

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We currently have more than 300MWs of battery storage capacity in operation in Ireland, making it one of the largest battery portfolios in Europe. We plan to develop a pipeline of large scale battery projects, as well as additional renewable enabling technologies. This is crucial to supporting the.

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