



# Irish Energy Storage Supercapacitors



## Overview

The EU project GREENCAP will develop a CRM-free technology to produce high-performance and sustainable supercapacitors, which exploit layered 2D materials, including graphene and MXenes as electrode materials, and ionic liquids as high-voltage electrolyte. Promoting energy storage across a broad range of technologies and applications including batteries, flywheels, pumped hydro, compressed air, thermal and green hydrogen storage. The Irish Energy Storage Association (IESA) was established in 2017 to represent and advocate for the energy storage. We represent Ireland and Northern Ireland's energy storage industry bringing together exciting new technologies and innovations that will help decarbonise our energy system and support a strong, stable, electricity grid. Energy Storage Ireland is a representative association of public and private. Liquid exfoliated 2D materials demonstrate great promise for use in the energy storage arena. Currently the focus is on battery electrodes. The 48VDC system comes in a stylish design that will compliment any solar system. 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. Ambitious, self-motivated and driven.

## Article Content

### Energy Storage Ireland

Energy Storage Ireland is a representative association of public and private sector organisations who are interested and active in the development of energy ...

ESB officially launches major battery project at Poolbeg Energy Hub ...

These high-capacity batteries can store excess renewable energy for discharge when required, and in doing so, help to support Ireland in reaching its ambitious climate targets by 2030 ...

### Electricity Storage Policy Framework

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 stakeholders and ...

### Irish Energy Storage Association

IESA advocates the use of energy storage (batteries, flywheels, supercapacitors, hydroelectric, compressed air and thermal storage) for the provision of system services, arbitrage and...

### Energy storage

In our group we have explored a number of energy storage areas, including electrocatalytic energy storage and supercapacitors. Currently the focus is on battery electrodes.

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Supercapacitors for energy storage applications: Materials, devices ...

Perspectives on optimized design, fabrication, and characterization methodologies that will drive the performance and longevity of supercapacitors to meet diverse energy storage ...

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 ...

## Contact Us

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