



Irish Micro-Controlled Flywheel Energy Storage Company

What is flywheel energy storage?

It has received the support of Beacon Power, LLC, a US based company and global leader in the design, development and commercial deployment of proven flywheel energy storage technology at the utility scale. Flywheel technology produces and stores small but highly flexible amounts of power to suit grid requirements.

What was the first grid connected hybrid powered flywheel plant in Ireland?

The project involved developing and establishing the first grid connected Hybrid Powered Flywheel plant in Ireland. The plant comprised grid connected hybrid powered flywheels and battery technology. The fast responding plant was designed to allow energy to be transferred from the electricity grid system during period of low demand.

Can short-duration flywheel energy storage improve grid stability?

We are optimistic about the potential in Ireland and Europe for short-duration flywheel energy storage as a key tool to help address the grid system stability impacts of leading implementation of renewable energy sources.

Who has invested in a hybrid flywheel system?

Additional investment has been received from Offaly based company, RR Projects and the European Commission, to facilitate development of Europe's first Hybrid flywheel system service facility. The Irish Transmission System Operator, EirGrid, selected this project as a potential 'EU Demonstration Project' under its Smart Grid Program.

Is flywheel technology a '100% clean' power source?

Frank Burke, Schwungrad Technical Director, with extensive industry experience and who was involved in the early development of system services, says: "Flywheel technology has the advantage of being a '100% clean' power source as the hybrid technology has no direct fuel use or related emissions, and no water consumption.

What is flywheel technology?

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