

A-Core Container

Ireland containerized power generation smart

CE UN38.3 



Overview

Can Ireland lead in the deployment of a smart grid?

Ireland is well positioned to lead in the deployment of the smart grid. The key energy sector actors are already engaged and looking to benefit from the application of a smart grid. Many key ICT and energy equipment sector companies are looking to Ireland as a possible market in which to test smart grid products and concepts.

What is smart grid Ireland?

Smart Grid Ireland's industry and utility network members respond to the challenges of the energy transition towards a Net Zero carbon energy grid and network modernisation through innovation, enabling intelligent and efficient management of Ireland's energy networks.

Will Siemens Energy help stabilize Ireland's grid?

By combining two innovative energy solutions via one connection, Siemens Energy will deliver a flexible system to help stabilize Ireland's grid. Ireland aims to reach net-zero by 2050 and to reduce emissions by 51% by the end of the decade, so is significantly increasing use of renewable energy.

Is Ireland a good place to test smart grid products?

Ireland is a good place to test smart grid products and concepts. Many key ICT and energy equipment sector companies are looking to Ireland as a possible market in which to test smart grid products and concepts. Ireland has world leading research capacity in integrating large amounts of variable renewables into power.

How will a battery-based energy storage system affect energy security in Ireland?

In addition, by participating in the capacity market, the project will have a positive impact on energy security in Ireland. This battery-based energy storage system is designed to provide 20MW for up to four hours. Most grid-

scale batteries currently deployed in Ireland range from 30 minutes to two hours of energy storage capacity.

Is the Irish power generation market receptive to US technology?

The \$2.6 billion Irish market for electrical power generation equipment is very receptive to U.S. technology. In the face of strong international competition, U.S. companies have achieved success in supplying technology, equipment, and systems to Irish power generation operators.

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