

**FOR IMMEDIATE RELEASE**

## **Hitachi ABB Power Grids fast-tracks grid connection to serve Dublin's data center boom**

*One gigawatt substation will support the city's growing number of data centers to enable the new norm of remote working through efficient connections to electrical infrastructure*

**Zurich, December 11, 2020** – Hitachi ABB Power Grids has delivered a fully integrated, high-voltage substation close to Dublin's digital business hub at Castlebagot, fast-tracking the standard two and a half year execution time to just 18 months, to keep the city's growing number of large, increasingly important data centers running smoothly 24/7.

The project was commissioned by Ireland's state-owned Electricity Supply Board (ESB) to meet Dublin's recent, unprecedented upsurge in demand for electricity, due to the proliferation of new data centers. The project is the largest privately contracted substation development in Ireland to date. To ensure reliable supply to this booming industry, Hitachi ABB Power Grids has delivered a 220 kilovolt (kV)/110 kV substation with gas-insulated switchgear, including the protection and control SCADA system enabling an advanced power system management and monitoring of equipment status while in service. The gas insulated switchgear is a compact technology designed to minimize the substation's foot-print, enabling space saving of up to 70 percent compared to air-insulated switchgear.

Dublin hosts some of the most important high-tech firms in Europe, in addition to a wide range of thriving tech start-up and colocation services. Planners are currently processing applications for additional, major data centers that will more than double the city's electricity consumption in the years ahead. With its state-of-the art efficient grid solutions, Hitachi ABB Power Grids is helping to optimize power consumption while maintaining quality of supply.

"We specialize in the prompt delivery of reliable, high-voltage grid connections that respond to the ever growing use of advanced solutions continuing to support people through the challenging times of the current global pandemic. Efficient connections to electrical infrastructure are more critical than ever," says Niklas Persson, Managing Director of Grid Integration business unit at Hitachi ABB Power Grids. "We are proud to enable the transition to the new norm of connecting people, when disruption to working patterns has increased the demand for remote and digital services, by meeting the need for a stable power supply."

The energization of the Castlebagot substation in such a short time is even more remarkable given the current demanding situation. Hitachi ABB Power Grids and ESB were able to overcome this challenge due to their digital capabilities which made it possible to energize the substation safely and sustainably, while ensuring business continuity.

Substations are the building blocks for any power grid and facilitate the effective integration of power from conventional and renewable generation sources, to efficiently transmit and distribute it to consumption centers.

Hitachi ABB Power Grids is fast becoming the leading supplier of grid and power quality solutions for data center grid connections for both utilities and data center owners worldwide and is helping cities around the world to meet the extensive power demands of large data center projects. For this project, early collaboration with ESB ensured a design that fulfilled the utility's availability and reliability requirements. It enabled fast project execution, leveraging our vast knowledge of utility grid codes and connection practices in different countries.

#### **About Hitachi ABB Power Grids Ltd.**

Hitachi ABB Power Grids is a global technology leader with a combined heritage of almost 250 years, employing around 36,000 people in 90 countries. Headquartered in Switzerland, the business serves utility, industry and infrastructure customers across the value chain, and emerging areas like sustainable mobility, smart cities, energy storage and data centers. With a proven track record, global footprint and unparalleled installed base, Hitachi ABB Power Grids balances social, environmental and economic values. It is committed to powering good for a sustainable energy future, with pioneering and digital technologies, as the partner of choice for enabling a stronger, smarter and greener grid. <https://www.hitachiabb-powergrids.com>

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