

Grid Solutions



GE VERNOVA

DIGITIZATION UNDERWAY AS GE VERNOVA'S GRID SOLUTIONS BUSINESS WORKS IN SUPPORT OF **LARGE-SCALE DATA CENTER DEVELOPMENT**



Project Overview

PROJECT	Grid Solutions at GE Vernova, in partnership with a client, is working on the grid connection of a major hyperscale data center. The project is set to include a new 110/10 kV substation involving installation, testing, and commissioning and has an estimated completion date of mid-2024.
COUNTRY	Europe
CUSTOMER	Confidential
TECHNOLOGY	A new high-voltage turn-key 110/10 kV substation, triple busbar, 19 bays, 10 kV AIS double busbar, two 110 kV earth fault neutralizers, and two 10 kV earth fault neutralizers. Grid Solutions at GE Vernova will also provide civil works, protection and control systems, metering solutions, along with advisory services.
SCOPE	Grid Solutions at GE Vernova will provide installation, testing, and commissioning in addition to the substation for a leading logistics and site developer for the chemical services industry.

The Customer Challenge

The customer is a European company that provides logistics and process equipment services, and delivers complete site operation for companies in research, development, and production pertaining to the chemical and pharmaceutical industries.

Data center infrastructure was required to enable the successful launch of the project despite the evolving technical scope and complexity around obtaining construction permits and having the HV substation installed and 100% operational on time.

The Solution

The customer has worked closely with GE Vernova's Grid Solutions business team to develop the design of the substation and provide advisory services to establish the grid connection. The team ensured a smooth permitting process and delivered on-schedule forecasting to help with project delivery. Grid Solutions at GE Vernova's longstanding experience with HV substations is highlighted through the design and implementation of the 110 kV substation.

The project is currently in its execution phase, with civil works and GIS installation almost completed, and the transformers are positioned. The expected completion date is mid-2024.

The Benefits

Grid Solutions at GE Vernova delivers timely and reliable power supply and equipment solutions to the data center ecosystem with global industry knowledge, early engagement and consultancy services, and a focus on the energy transition. We help our customers work through their individual requirements while addressing common needs such as maximizing profitability, ensuring safety and reliability, delivering on growing demand, and prioritizing sustainability objectives.



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