



## GE's digital power transformers selected for multiple projects across the globe

- *GE's low-maintenance power transformers address the ever-evolving challenges facing grid operators today*
- *Recent orders reflect need to modernize the grid in order to address the energy transition*
- *GE's grid portfolio supports a wide range of voltage levels with applications in generation, transmission, distribution, and industrial segments*

**Paris, FRANCE — January 6, 2022** — GE Renewable Energy's Grid Solutions business [NYSE:GE] today announced a series of recent wins for its low-maintenance, high-performing digital [power transformers](#).

“The variety of transformer projects that we have recently been awarded is testimony to breadth and depth of our power transformer portfolio,” said [Eric Chaussin](#), Senior Executive High Voltage Products Division Leader at GE's Grid Solutions. “Whether they are producing renewable energy or running a traditional power plant, our customers recognize that our power transformers reliably and efficiently meet their challenges, including lowering losses and minimizing noise.”

### **Some recent GE power transformer orders supporting renewable energy projects include:**

**Kintore, Scotland** – GE is playing a critical role in the upgrading of the Scottish distribution network from 275 kV to 400 kV as well as bringing renewable energy from multiple windfarm projects off the northeast coast of Scotland to consumers' homes. Following a purchase of two large auto transformers for the Peterhead substation, Scottish and Southern Energy (SSE) has ordered two 1,200 MVA 400 kV auto transformers for its Kintore substation. Installation of the transformers at Kintore is slated for completion within the fourth quarter of 2022.

**Off the coast of northeast England** - The GE-Mistral-14, a 14 MVA – 66 kV small power transformer (SPT), will play an important part at what will be the world's largest windfarm, Dogger Bank. Essential for the proper functioning of the world's most advanced and powerful wind turbines, a GE-Mistral-14 will be in each of the 95 GE Haliade-X turbines at the first phase A of the windfarm. The commercial order for the project was signed in March 2021.

### **GE also recently signed several additional power transformer contracts including:**

**Meppen, Germany** – Amprion GmbH, a transmission system operator, placed an order in September 2021 for two 340 MVA large power transformers for a synchronous condenser installation at their plant. The transformers will be delivered in the first quarter of 2023 and will help deliver inertia and reactive power for greater grid stability.

**Northeast Nigeria** – The Nigeria branch of MBH Power, a total energy solutions company, purchased seven 150/187.5 MVA 330/132/33 kV auto transformers and two 100/125 MVA 132/33 kV power



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transformers in September 2021 for the Transmission Company of Nigeria to help meet Nigeria's growing electricity demand. The power transformers will be delivered in October 2022.

Supporting a wide range of voltage levels for applications in generation, transmission, distribution, and industrial, recent contracts reflect customers' growing reliance on GE's power transformers. The product line includes conventional and special transmission solutions such as phase-shifting, static var compensator (SVC), high-voltage direct current (HVDC), low maintenance and reactors, as well as more environmentally friendly power transformers featuring biodegradable vegetable oil. Voltages range from small (5 MVA) to medium and ultra-high voltage (1,200 kV AC and  $\pm 1,100$  kV DC) up to very large power ratings (2,750 MVA). GE also offers digitized protection and monitoring solutions and advanced design and testing capabilities to help extend transformer performance and operating life.

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### **About GE's Grid Solutions**

Grid Solutions, a GE Renewable Energy business, serves customers globally with over 13,000 employees. Grid Solutions provides power utilities and industries worldwide with equipment, systems and services to bring power reliably and efficiently from the point of generation to end power consumers. Grid Solutions is focused on addressing the challenges of the energy transition by enabling the safe and reliable connection of renewable and distributed energy resources to the grid. We electrify the world with advanced grid technologies and accelerate the energy transition. For more about GE's Grid Solutions, visit <https://www.gegridsolutions.com>.

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