
**TMEIC Receives Order for Large-Scale Battery Energy Storage Systems
for Power Grids (Total of 100MW) in the United Kingdom**

**– Contributing to the Stability of the Power System in the UK Where the Introduction of
Renewable Energy Continues to Grow –**

Toshiba Mitsubishi-Electric Industrial Systems Corporation (hereinafter, "TMEIC"; President & CEO Masahiko Yamawaki) has signed an agreement to supply large-scale battery energy storage systems for two 49.5MW facilities aimed at power grid stability (two plants totaling approximately 100MW) with Nippon Koei Energy Europe B.V., a European subsidiary of Nippon Koei Co. Limited, through TMEIC Europe Limited. The two facilities are currently being constructed respectively in Tollgate and Cuxton in the southeastern part of the United Kingdom.

Construction of the two facilities began in December 2021 with commercial operation scheduled for spring 2023. TMEIC will provide storage battery systems that integrate software and key equipment such as storage batteries, power conditioning systems (PCS) for storage batteries and power plant controllers (PPC) that control power, voltage and frequency.

TMEIC has a proven track record of delivering best-in-class battery energy storage systems in Japan centered on projects with renewable energy power plants (large-scale solar and wind power). This marks the first time for the company to deliver its systems to the UK market. Compatible with various options in the power market, including grid stabilization service for National Grid (an electricity system operator in the UK), the system will help address power grid stability in the UK where the share of renewable energy continues to grow.

TMEIC has a battery system laboratory within the power electronics factory of TMEIC Industrial Systems India Private Limited, an Indian subsidiary, which allows the company to conduct state-of-the-art demonstrations that combine a solar power generation system and battery energy storage system connected to the power grid and factory load, as well as real-time simulators. Development and verification of respective control functions required for the project will be carried out at the laboratory to ensure a smooth startup at the sites.

TMEIC is participating in investment as one of the five Japanese companies collaborating in investment and financing of the project and will continue to be involved in the joint venture business of the project after the systems have been delivered.

**Comments from Executive Officer and Vice President Naotada Sawada, Renewable Energy
& New Technology Division:**

“Going forward, the introduction of grid battery storage systems is expected to expand in many countries and regions around the world including Japan. TMEiC strives to contribute to the realization of carbon neutrality by further deepening its accumulated experience and know-how in power electronics and system control technologies with the aim of supporting the growing use of renewable energy around the world and providing solutions to issues and challenges.”



Battery system laboratory on the factory premises of TMEiC India



Project partners

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In order to respond to the needs of manufacturing sites that serve as a foundation for supporting society, TMEIC always sets its eyes on the future of industry, society and the environment as an industrial systems integrator striking a balance between the development of society and a beautiful global environment. TMEIC will contribute to manufacturing and environmental management through leading-edge technologies based on its core technologies of rotating machinery, power electronics and engineering.