

ENECHANGE develops E-Cloud RED, a DX support tool for renewable energy operations

Automates the submission of solar power forecasts, demand forecasts, and planning values to support more efficient PPA management operations

ENECHANGE Ltd. (Head Office: Chuo-ku, Tokyo; Representative Director & CEO: Yohei Kiguchi), in cooperation with KANDEN ENERGY SOLUTION CO., INC. (Head office: Kita-ku, Osaka; President: Yukio Kawasaki; hereinafter Kenes), has developed E-Cloud RED, a support tool to support solar PPA models.



■ Background

To achieve carbon neutrality in 2050, it is important to address the energy sector, which accounts for more than 80% of greenhouse gas emissions. In the Basic Policy for the Realization of GX (GX Basic Policy), which was approved by the Government of Japan's Cabinet in February, renewable energy is identified as a key source of a stable, decarbonized energy supply. Among renewable energies, there have been measures to promote the introduction of photovoltaic energy generation, such as the Feed-in Tariff (FIT) system. With the end of the FIT system in 2019, new business models such as the Power Purchase Agreement (PPA) model and self-consumption are now being established.

The PPA model requires forecasting the generation and demand of photovoltaic resources and submitting three planning values (generation sales, demand procurement, and partial supply notification) daily to the Office for Organization for Cross-regional Coordination of Transmission Operators, Japan (hereinafter OCCTO).

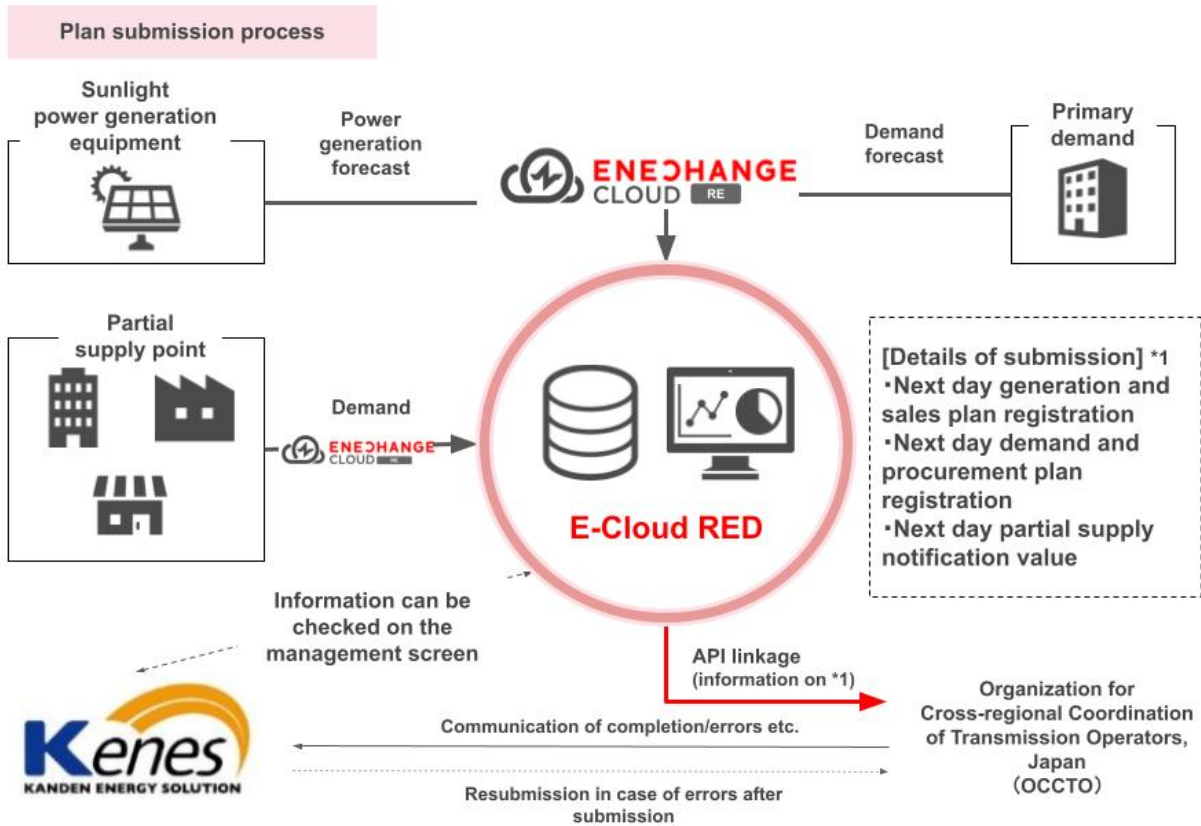
Normally, energy producers are required to conduct daily energy generation and demand forecasts, commit to generation volumes, and submit them to the OCCTO, which requires human resources for daily operations. E-Cloud RED streamlines these tasks, and with demand for PPA models expected to grow further in the future, a significant reduction in human resources is expected.

■ PPA model support tool E-Cloud RED

E-Cloud RED is a digital transformation (DX) support tool for solar PPA operators. The tool forecasts solar generation and demand and automatically submits the required reports to the OCCTO on a daily basis based on the results. By centralizing these forecasts, the tool improves operational efficiency, reduces costs spent on human resources, and prevents errors. The ability to centrally manage multiple energy resources and demand points supports the expansion of PPA projects and reduces management workload by allowing historical data to be stored and displayed on the user interface.

URL: https://enechange.co.jp/e_cloud-red/

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Product image (prepared by ENECHANGE)

■ **Comment from Kimihiro Tai, Director & Managing Executive Officer, KANDEN ENERGY SOLUTION CO., INC.**

We offer a Self-Commissioning Support Service for solar PPAs that contributes to decarbonization. We believe that this service is indispensable for meeting the needs of customers towards the realization of a decentralized energy society and that the use of E-Cloud RED, which we developed together with ENECHANGE, has enabled us to provide this service more efficiently and effectively. We will continue to evolve our various services to meet the diverse needs of our customers.

■ **Comment from Ippei Arita, Senior Executive Officer, ENECHANGE Ltd.**

We have developed our PPA support tool E-Cloud RED in cooperation with Kenes. The system provides solar generation and demand forecasts and automatically submits daily operational plans. This will enable each PPA operator to accelerate decarbonisation efforts towards GX. We hope that the system will be expanded to cover a variety of renewable energy sources alongside solar in the future, thereby facilitating further expansion of the PPA business and helping to pave the way for a stable energy supply and the adoption of renewable energy as an energy source.

■ **About ENECHANGE Cloud RE**



ENECHANGE Cloud RE provides operational support services required for the utilization of renewable energy, including an online platform for managing environmental value inventories and issuing green power certificates. Furthermore, in order to promote the further spread of the solar power installation, and to reduce the burden on

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operators, ENECHANGE provides a service that enables the creation of OCCTO reporting values from solar power generation and demand forecasts, including API linkages for automated submission..

ENECHANGE Cloud service website

URL: https://enechange.co.jp/e_cloud-lp/

■About KANDEN ENERGY SOLUTION CO., INC.

Since its founding in 2001, Kenes has been providing services to ensure that all customers can use energy in optimum conditions, based on its management philosophy of "contributing to the happiness of our customers and the sustainable development of society through our comprehensive energy service business, by demonstrating outstanding technological capabilities". It provides a range of energy-saving, cost-saving and labor-saving services nationwide, including Utility Service[®], which offers integrated services from design, procurement, construction, operation and maintenance of energy facilities.

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■Future Outlook

The impact on the Company's business performance is currently expected to be limited. We will disclose immediately any matters that should be publicly announced in the future.

■ENECHANGE Ltd.

ENECHANGE is an energy technology company that promotes a carbon-free society through digital technology with the mission of Changing Energy For A Better World. We offer services based on data utilization in the field of the 4Ds of Energy: Deregulation, Digitalization, Decarbonization, and Decentralization. Our company's roots come from an energy data lab at the University of Cambridge, UK, a country where liberalization is mature. ENECHANGE has a UK subsidiary, ENECHANGE Innovation Limited, as well as a global network and analytical technology for energy data.

URL: <https://enechange.co.jp/en/>

■For inquiries

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