Press Release

"Energy Management Study Project in Industrial Parks in Vietnam" Selected by the Ministry of Economy, Trade and Industry for "Subsidies for Future-Oriented Co-Creation Projects in the Global South"

August 9, 2024
TEPCO Power Grid, Inc.

We are pleased to announce that our "Feasibility Study on Integrated Energy Management in an Industrial Park Combining Renewable Energy, Demand Response, Hydrogen Production, Battery Storage, and EMS" has been selected by the Ministry of Economy, Trade and Industry as a recipient for "FY2023 Supplementary Subsidies for Future-Oriented Co-Creation Projects in the Global South," which aims to promote overseas infrastructure development. The project was selected on June 28, 2024, and grant approval was received on August 8.

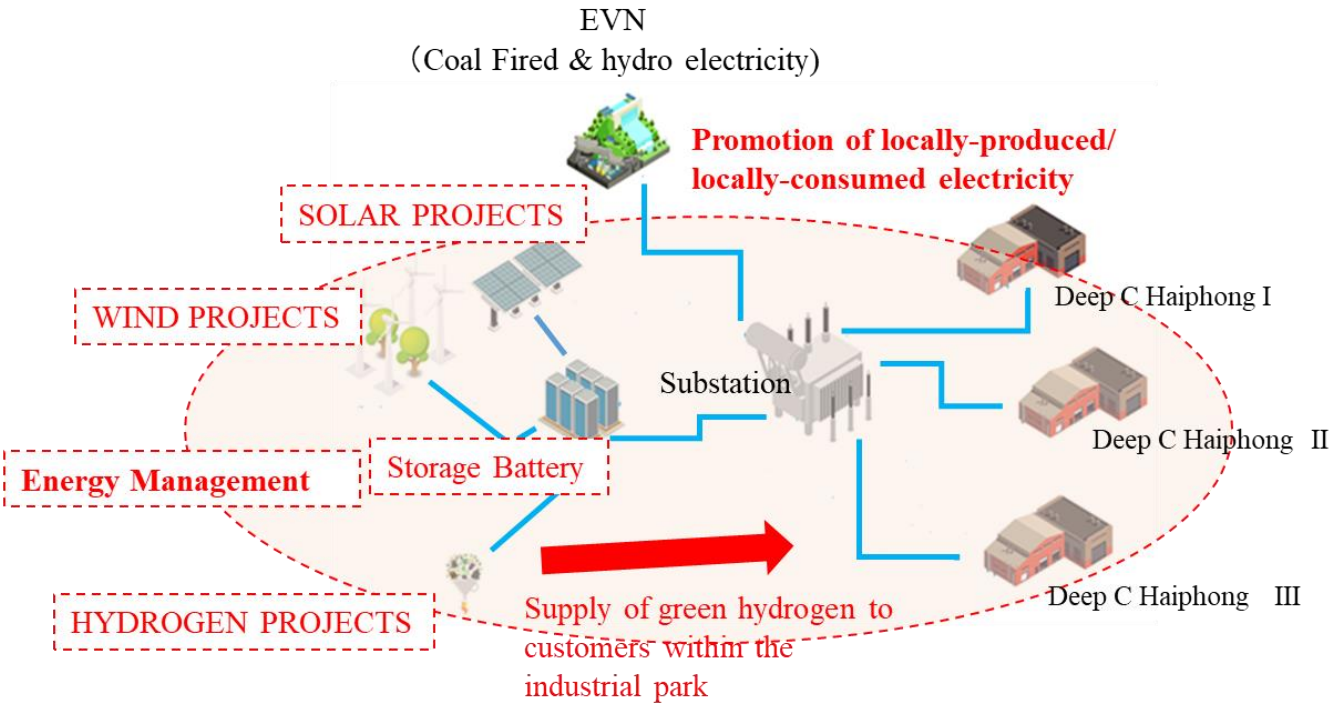
Since December 2018, TEPCO Power Grid, Inc. has been investing in Deep C Green Energy, a distribution, retail, and renewable energy company in the DEEP C Industrial Zones in Haiphong, Vietnam (announced on November 29, 2018). We have been primarily responsible for technical studies and facility construction, and we are leveraging the plethora of technical skill and high-quality operations capabilities that we have cultivated in Japan to provide high-quality and reliable electricity to tenant companies in the industrial zones. In 2021, in response to the decarbonization needs within the DEEP C Industrial Zones, we installed rooftop photovoltaic power and wind power facilities to promote decarbonization.

Currently, Vietnam has outlined a policy to increase locally-produced/locally-consumed photovoltaic power in its 8th National Power Development Plan in order to achieve carbon neutrality by 2050. Energy management that adjusts power demand using demand response (DR) technology and storage batteries, etc. in accordance with fluctuations in renewable energy output from photovoltaic power, for example, is required to improve the ratio of locally-produced/locally-consumed energy. This survey project will examine how to leverage DR technology, green hydrogen production, and storage batteries to manage energy in a way that maximizes the local-production/local-consumption of renewable energy and green hydrogen within the industrial zones.

Through this survey project, we aim to leverage our knowledge and experience in power supply-demand planning and operations cultivated in Japan to address the challenges of stable power supply and local energy production/consumption in Vietnam, thereby contributing to the creation of a carbon-neutral society.

<Attachment>
Concept Drawing of the Energy Management Method Under Consideration and the DEEP C Industrial Zones

- EVN: Vietnam Electricity
- Red: Current Study



DEEP C Industrial Zones
- Location: Haiphong City, Vietnam
- Founded: 1997
- Total Area: 3,400 hectares (of which approximately 1,700 hectares are managed by Deep C Green Energy in three zones: DEEP C Haiphong I, II, and III)