**Business Plan Summary** 

# Subsidies for Global South Future-Oriented Co-Creation Project (Ukrainian Reconstruction Support/Strengthening Cooperation with CEE Nations) in the FY2024 Supplementary Budget

**Project Title** Republic of Poland / Turnkey Solution Demonstration Project (Rapid-Deployment, Portable Container Power Supply Business)

Company Name

Panasonic Corporation

**Company Size** 

SME Non-SME

**Project Type** 

Feasibility Study + Demonstration Project / Demonstration Project

**Project Sector** 

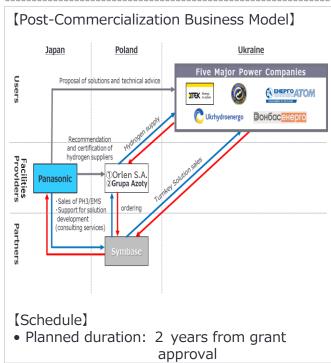
①Information and Communications / ②Energy / ③Transportation / ④Urban Infrastructure / ⑤Medical Care / ⑥Nursing and Healthcare / ⑦Agriculture and Food / ⑧Waste Management / ⑨Digital Platform / ⑩Other

**Project Size** 

Total Project Expenses: 246.7 Million JPY / Total Expenses Eligible for Subsidization: 226.6 Million JPY

/ Subsidy Application: 113.3 Million JPY

# Project Summary



## [Objective]

This project aims to demonstrate a rapid-response, portable container-based power supply (Turnkey Solution) in Ukraine during wartime and post-war recovery. The goal is to achieve early reconstruction of the power infrastructure and ensure sustainable energy supply. By integrating high-efficiency hydrogen fuel cells with an energy management system (EMS), the project will verify the effectiveness of a power solution that offers rapid deployment, redeployability, and compatibility with renewable energy.

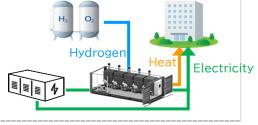
### (Project implementation contents and methods)

At a demonstration facility to be constructed in Poland, container-based power units equipped with hydrogen fuel cells will be operated to evaluate power generation efficiency, environmental durability, portability, and operational performance. In collaboration with the local partner, Symbase, the project will also optimize equipment, systems, and operational frameworks for commercialization through the development of O&M structures and customer interviews.

#### [Main technologies/services]

Delivering an integrated value service combining hydrogen fuel cells, container-based systems, and EMS.

- 1.Energy supply for wartime and disaster response:
  Provision of rapid-response, portable container-based
  power units
- Maximization of environmental value: Zero-emission operation using renewable energy and hydrogen
- 3.Improved economic efficiency:
   Optimization of electricity costs through peak shaving with FMS



Contribution to Ukrainian Reconstruction This project aims to provide highly responsive and redeployable alternative power sources to Ukraine's electricity infrastructure, which has been severely damaged by the war with Russia. By doing so, it will enable the early restoration of power supply to critical facilities such as hospitals, communication centers, and shelters. Furthermore, from the perspective of decarbonization and renewable energy adoption, the project will contribute to the future development of a sustainable energy society, supporting both recovery and the establishment of a resilient future-oriented social infrastructure.