

The Global South Future-Oriented Co-Creation Project: Selected Companies (2nd Application)

Project Name	Vietnam /Demonstration Project for the operation of Cold Storage with DR technology		
Company Name	Applicant:IGARASHI REIZO COMPANY LIMITED Joint Project Implementer : IGARASHI VIETNAM COMPANY LIMITED	Company Size	(SMEs) / other than SMEs
Category	Category 1 (Category 2) Category 3	Project Field	(GX Field) DX Field,Economic Security Field
Total Project Expenses / Total Subsidy Expenses / Subsidy Application Amount	1.32 billion yen / 0.79 billion yen / 0.53 billion yen		

Project Outline

Applicant

IGARASHI REIZO

- ✓ Operations Management
- ✓ Refrigeration Operations Support
- ✓ Accounting, Finance & PR

Joint Project Implementer

IGARASHI VIETNAM

- ✓ Warehouse Operations
- ✓ DR Execution & Verification
- ✓ PR in Vietnam

wholly owned subsidiary of Igarashi Reizo

【Outline】

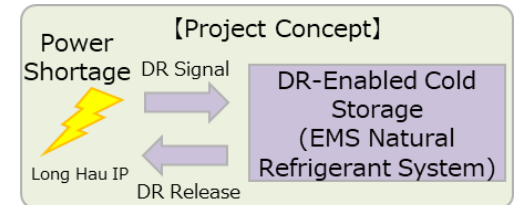
- Igarashi Reizo Co., Ltd. will implement a demonstration project utilizing refrigerated warehouses as adjustment capacity for power supply and demand, thereby contributing to the stabilization of electricity supply in Vietnam.
 - The project will introduce DR※-compatible refrigeration equipment incorporating advanced Japanese technologies, establish a next-generation business model integrating quality, environmental performance, and economic efficiency, and verify its effectiveness.
- ※Demand Response (DR):An approach in which electricity users adjust their consumption based on supply-demand conditions and renewable energy output to reduce overall power usage.

【Key Technologies and Demonstrations】

- The EMS※-compatible natural refrigerant refrigeration system to be introduced by IGARASHI VIETNAM will function as a control tower, autonomously adjusting refrigeration operations in response to DR signals, while ensuring high energy efficiency and environmental performance.
 - This project will verify the compatibility of demand response control and storage quality maintenance, while quantitatively evaluating solar self-consumption, cost savings, and Greenhouse Gas emission reductions.
- ※EMS (Energy Management System): A system that measures and visualizes energy usage such as electricity, and achieves energy savings and cost reduction through control and optimized operation.

【Schedule】

- -Jun 2027: Equipment installation & baseline measurement
- Jul-Sep 2027: Verification & optimization of DR effects
- Oct-Dec 2027: Business feasibility evaluation & preparation for commercialization



Resulting benefits to Japan

【Points that this project contributes to employment growth in Japan】

- The project is expected to standardize DR-compatible refrigeration systems, creating business opportunities for Japanese high-efficiency refrigeration and EMS equipment and contributing approximately JPY 1 billion in additional sales.
- It expands business opportunities for Japan's cold chain industry, promotes investment in Vietnam, and contributes to job creation both locally and in Japan.
- The model will be disseminated through seminars, enhancing the international competitiveness of Japanese companies.