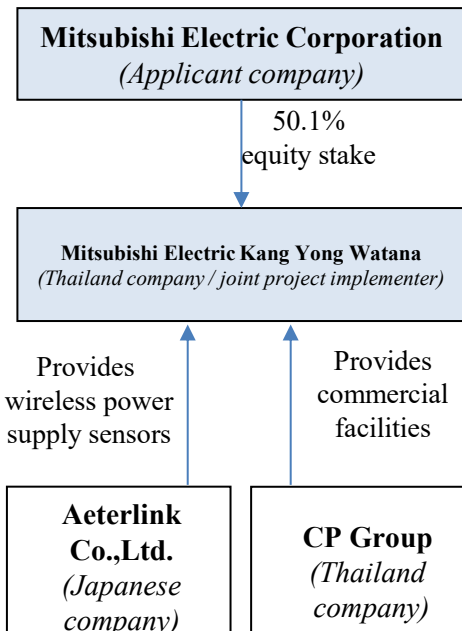


The Global South Future-Oriented Co-Creation Project: Selected Companies (2nd Application)

<b>Project Name</b>	Thailand/ AI-Based Operational Control of HVAC&R and Maximizing Energy-Saving Effects		
<b>Company Name</b>	Mitsubishi Electric Corporation	<b>Company size</b>	SME / Other than SME
<b>Project Category</b>	Category 1 • Category 2 • Category 3	<b>Project Field</b>	GX / DX / Economic Security
<b>Total Project Cost / Total Subsidy Expenses / Subsidy Application Amount</b>		3.4 billion yen / 3.4 billion yen / 1.7 billion yen	

**Project Overview**



**[Summary]**

This project aims to maximize energy savings through AI-based control of air conditioning and refrigeration equipment. Mitsubishi Electric Co. will design and manage the AI system, while Mitsubishi Electric Kang Yong Watana Co., our local affiliate, will handle sensor and equipment installation, maintenance, and operational improvement proposals for up to 65 commercial facilities. In addition, the project will use wireless power supply sensors from Aeterlink Co., Ltd, a J-Startup company, to enable continuous collection of operational data from the target facility.

**[Key Technologies and Significance]**

Mitsubishi Electric Co. has technology that can maximize energy savings by optimizing equipment operation control with AI, without replacing existing air conditioning and refrigeration equipment. Through this project, we will verify that these energy-saving effects can also be achieved in the high-temperature, high-humidity environment of Thailand, which differs from Japan.

**[Schedule and Target]**

2026–2028: Sensor installation at target stores / AI learning using collected data  
 2029, March: This project ends  
 2029, April~ : Planned deployment as an AI energy-saving model for commercial facilities in Thailand and other ASEAN countries.  
 Target: Commercial facilities owned by CP Group(CP Axtra)



▲ [Example of commercial facilities]

**【Benefit to Japan】**

**[Points on How This Project Contributes to Innovation in Japan]**

Establishment of AI-based energy-saving technologies in Japan, where warming trends are progressing.

**[Expected Domestic Employment and Investment Effects]**

Expansion of exports of Japanese wireless power supply devices.

As the results are commercialized, operations related to data utilization and continuous improvement and advancement of AI models will become established in Japan, creating new employment opportunities for highly skilled DX professionals.