

News Release



New Energy and Industrial Technology
Development Organization

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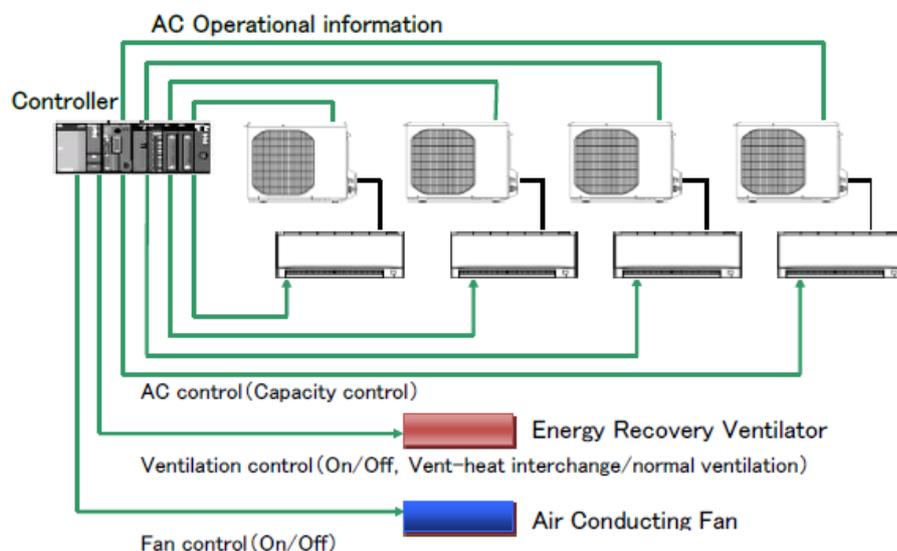
Demonstrating “Green Hospitals” in Vietnam

—Aiming for 35% Energy-Saving Effect with Energy Efficient Air Conditioning and Energy Management System—

The New Energy and Industrial Technology Development Organization (NEDO) will launch a demonstration project that will introduce about 1,000 energy efficient inverter air conditioners (ACs) and energy management systems to achieve energy efficiency for two hospitals in Vietnam, one in Hanoi and the other in Ho Chi Minh City. This project will help tackle two key issues Vietnam is facing today, namely the tightening of energy supply and demand and improving energy efficiency.

The goal of this project is to create environment friendly “green hospitals”, which anticipates 35% energy saving effect. This project will be implemented under the Joint Credit Mechanism (JCM) scheme, which has been launched between Japan and Vietnam last July, and aims to be registered as JCM project and to have its emission reduction verified.

Project System Flow



1. Project Summary

Most of the inverter ACs used in Vietnam today are inefficient non-inverter room ACs. In public facilities such as hospitals, it is common to install room ACs in each room. As air conditioning is needed all year round, there is room for energy efficiency to be improved substantially.

In this demonstration project, high efficiency performance inverter ACs, compliant to the energy efficiency rating standard in Vietnam, will be introduced in two state-owned hospitals, one located in Hanoi and the other in Ho Chi Minh City. Not only will the inverter ACs be installed, but energy management system (EMS) will be developed and installed to enhance the energy efficiency of the entire hospital. Together with the EMS, improving the ventilation will lead to a better indoor air quality, thus contributing to changing these hospitals into environmental friendly “green hospitals”. As a JCM Project, one year monitoring will be put into effect and the amount of CO2 emission reduction as well as energy efficiency effect will be verified.

In moving forward with the project, NEDO and Ministry of Industry and Trade (MOIT), Vietnam, has signed the MOU as of August 15th, 2014.

2. On and After the Project Period

Upon implementing this project, data will be collected between 2014 and 2015 and these data will be verified. In the meantime, this project will also aim to be registered as JCM pilot project and will monitor and verify the amount of CO2 emission reduction. Under the energy efficiency rating standard, which has just launched in Vietnam, the performance of the inverter ACs will be assessed. Together with MOIT, and in corporation with Vietnamese partners such as the Ho Chi Minh People’s Committee, NEDO will continue its activities to create a “green hospital model” and to disseminate the Japanese technology used for this project.

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