

# Press Release



New Energy and Industrial Technology  
Development Organization

<http://www.nedo.go.jp/english/index.html.jp>

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## **Solar Cooling System Project in the United Arab Emirates –Demonstration in Masdar City–**

The New Energy and Industrial Technology Development Organization (NEDO) has determined that it will entrust a feasibility study (FS) for the “Demonstration Project for a Solar Cooling System” to two companies, Hitachi Plant Technologies, Ltd. and Hitachi Appliances, Inc. NEDO is planning to carry out the project in Masdar City, in Abu Dhabi of the United Arab Emirates (UAE), which has the goal of being an environmental-friendly city of the future.

NEDO’s project will demonstrate technologies for a high-efficiency solar cooling system with solar collectors and triple-effect absorption refrigerator in Masdar City, which is located in the sun belt region of Abu Dhabi.

### **1. Project Overview**

In order to deal with soaring power demand, Abu Dhabi has set the goal of meeting 7% of its power demand in 2020 using renewable energy. Masdar City, which has been under development by the Abu Dhabi Future Energy Company (Masdar) since 2006, aims to be the world’s first zero-carbon, zero-emission city by utilizing solar energy and other renewable energy sources together with energy conservation.

NEDO’s project will demonstrate technologies for a high-efficiency solar cooling systems with a combination of solar collectors and triple-effect absorption refrigerator in Masdar City. The feasibility study will be carried out with the aim of the system diffusion in the UAE and surrounding areas in the future.

The specific details of the demonstration project will be determined following an assessment of the results of the feasibility study.

NEDO has selected the following companies to participate in the feasibility study for the demonstration project. Additional information follows below.

Participants: Hitachi Plant Technologies, Ltd. and Hitachi Appliances, Inc.

FS duration: From the date specified by NEDO to December 28, 2011.

Budget: Approximately 25 million yen for the feasibility study. The budget for the

demonstration project will be determined based on an assessment of the feasibility study results.

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