

Press Release



New Energy and Industrial Technology
Development Organization

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May 25, 2012

NEDO and Malaga City Conclude Memorandum of Understanding

The New Energy and Industrial Technology Development Organization (NEDO) and Malaga City in Spain have concluded a memorandum of understanding (MOU) to promote a smart community system demonstration project being carried out in Malaga. The project is being carried out from FY2011 to FY2015 in full cooperation with Malaga City to introduce and demonstrate technologies for the future large-scale introduction and dissemination of electric vehicles (EVs).

Based on the Japan-Spain Innovation Program (JSIP) established by NEDO and the Centre for Industrial Technological Development (CDTI) of the Spanish government, Mitsubishi Heavy Industries, Ltd., Mitsubishi Corporation and Hitachi, Ltd. of Japan and Endesa S.A.*¹, Telefónica Investigacion y Desarrollo S.A. Unipersonal*² and Sadiel Tecnologias de la Informacion S.A.*³ of Spain are collaboratively carrying out the project.

The signing ceremony was held in Malaga on May 25, and Mr. Kazuo Furukawa, Chairman of NEDO, and Mr. Francisco De La Torre Prados, Mayor of Malaga City, signed the MOU.

1. Project Overview

Malaga is located in Andalusia and is Spain's sixth largest city with a population of 560,000. It is the main city of the Costa del Sol area along the Mediterranean Sea, and is well known as the birthplace of Pablo Picasso. It is recognized as one of Spain's most advanced cities.

The collaborative project is designed to demonstrate technologies that will reduce the load on power grids when large-scale EV charging is introduced. The technologies will reduce the load by utilizing information communication technology (ICT) to provide a navigation system to EV users that reduces driving distance and time. The ultimate goal of the project is to contribute to the establishment of sustainable smart communities.

In the project, an EV infrastructure, such as an EV management system and quick chargers and an ICT platform that facilitates power management and information sharing, will be constructed. Participants (users of 200 EVs) will be recruited for the project from among many different kinds of people. Twenty-three quick chargers will be installed around Malaga City

and its surrounding areas in nine different locations. An optimal navigation service will be provided for EV users to improve EV convenience based on space availability information for each charging station and EV data collection. The navigation service will reduce the adverse effect on power grids due to the high load*4 of quick chargers and reduce the cost of future investment to upgrade power grid systems. Therefore, the project is expected to promote dissemination of EVs and an EV infrastructure.

In addition, NEDO and CDTI issued a joint statement on May 23 confirming their mutual cooperation regarding the project. On May 24, NEDO, Malaga City and the members of the Japanese and Spanish consortiums held an event in Malaga to enlist participants for the project.

*1 A major electric power company in Spain.

*2 A leading telecommunication company in Spain.

*3 An ICT provider in Spain.

*4 The quick chargers to be installed in the project will have a maximum capacity of 50 kw and are recommended by the CHAdeMO Association.

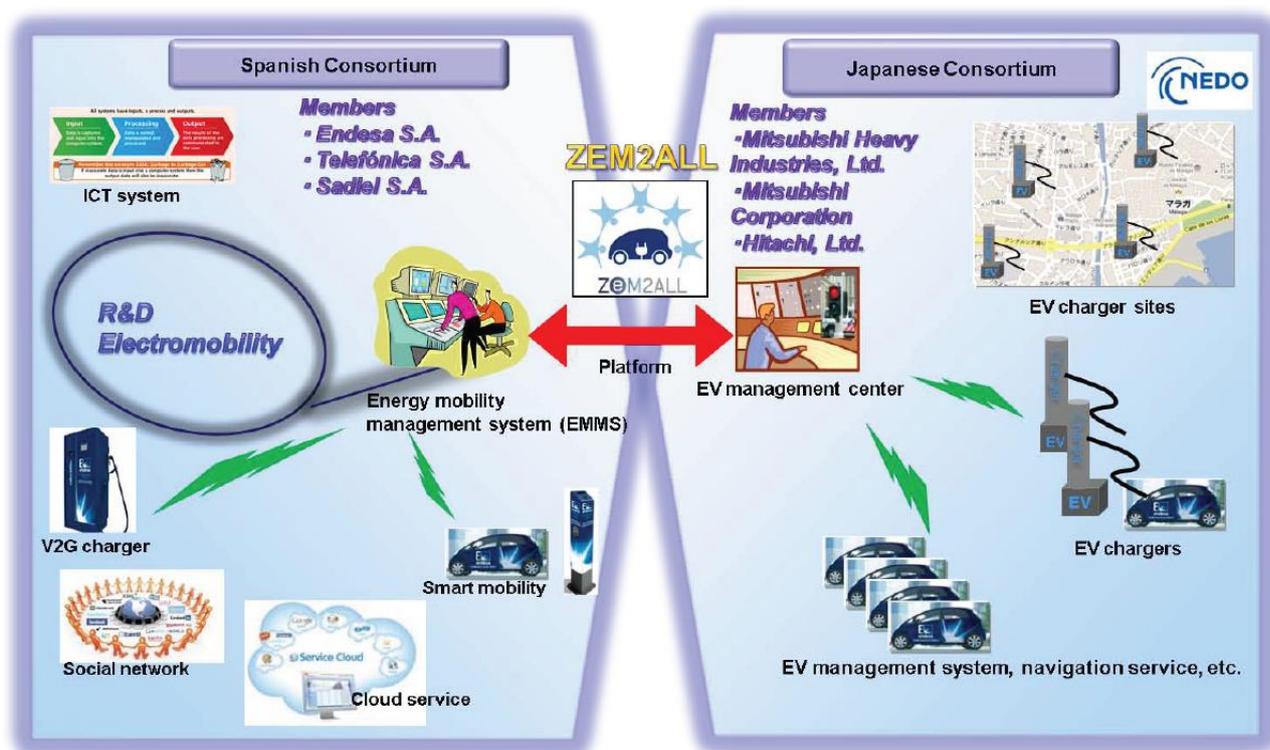


Image of Demonstration Project in Malaga

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