

October 11, 2013

Marubeni Corporation
The University of Tokyo
Mitsubishi Corporation
Mitsubishi Heavy Industries, Ltd.
Japan Marine United Corporation
Mitsui Engineering & Shipbuilding Co., Ltd.
Nippon Steel & Sumitomo Metal Corporation
Hitachi, Ltd.
Furukawa Electric Co., Ltd.
Shimizu Corporation
Mizuho Information & Research Institute, Inc.

Fukushima Offshore Floating Wind Farm Demonstration Project

A consortium made up of Marubeni (project integrator), the University of Tokyo (technical advisor), Mitsubishi, Mitsubishi Heavy Industries, Japan Marine United, Mitsui Engineering & Shipbuilding, Nippon Steel & Sumitomo Metal Corporation, Hitachi, Furukawa Electric, Shimizu, and Mizuho Information & Research have been participating in an experimental offshore floating wind farm project sponsored by the Ministry of Economy, Trade and Industry since March 2012.

At present, the laying of the extra-high voltage undersea cable and the dynamic cable at the testing area has been successfully completed.

1. Outline of construction works in the first term

Setting one 2MW downwind-type floating wind turbine, the world's first 66kV floating power sub-station and the cables.

2. Work progress to date

<2MW downwind-type floating wind turbine and 66kV floating power sub-station>

- Mooring operation has been successfully completed.
- Preparatory works for the operation are in process.

<Undersea cables>

- Connection of the extra-high voltage undersea cable and the dynamic cable has been successfully completed between onshore transmission line tower and 2MW downwind-type floating wind turbine through 66kV floating power sub-station.

3. Next Step

The following activities need to be completed to start operation of the power facilities.
Expected commencement of operation of the power facilities is November 2013, but the schedule will be changed depending on the meteorological and sea conditions.

Mid October	<ul style="list-style-type: none">- Depression of 66kV floating power sub-station- Pre-use inspection
Late October	<ul style="list-style-type: none">- Power receiving of 2MW floating wind turbine and 66kV floating power sub-station from Tohoku Electric Power Co., Inc
November	<ul style="list-style-type: none">- Commencement of operation

66kV floating power sub-station
"Fukushima KIZUNA"



Fukushima Offshore Wind Farm consortium

2MW floating wind turbine
"Fukushima MIRAI"



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