Fukushima Recovery, Fukushima Floating Offshore Wind Farm Demonstration Project Second Phase Update

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 has 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 construction of the three-column semi-sub as part of the second phase has been successfully completed.

1. Outline of construction works in the second phase:
   Setting one 7MW oil pressure drive-type floating wind turbine and undersea cables

2. Work progress to date:
   <7MW oil pressure drive-type floating wind turbine>
   Floater
   • Completion of construction of the three-column semi-sub floater and mooring it at Mitsubishi Heavy Industries, Ltd. Nagasaki Shipyards & Machinery Works.

   Wind Turbine
   • Parts procurement and construction of 7MW oil pressure drive-type floating wind turbine in progress at Mitsubishi Heavy Industries, Ltd. Yokohama Dockyard & Machinery Works.

   <Undersea cables>
   • Production of the undersea cable at Furukawa Electric Co., Ltd. Chiba Works.
   • Preparation to connect cables to the 66kV floating power substation in progress.
3. Next Step

The following activities need to be completed to start operation of the power facilities during the current year:

※ Schedule will be changed depending on the meteorological and sea conditions

<7MW floating power facilities and undersea cable>

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Early June – late August</td>
<td>Laying chains and anchors at the testing area</td>
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<tr>
<td>Mid June – late August</td>
<td>Shipping, laying and burying the undersea cable at the testing area</td>
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<tr>
<td>From early December</td>
<td>Mounting wind turbine on three-column semi-sub at Onahama port</td>
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Towing three-column semi-sub at Nagasaki port

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Chains and anchors at Onahama port

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