

Outline of the Floating Offshore Wind Construction System Technology Research Association (FLOWCON)

(reference material)

Name

Floating Offshore Wind Construction System Technology Research Association (FLOWCON)

Establishment

January 20, 2025 (Reiwa 7)

Objectives

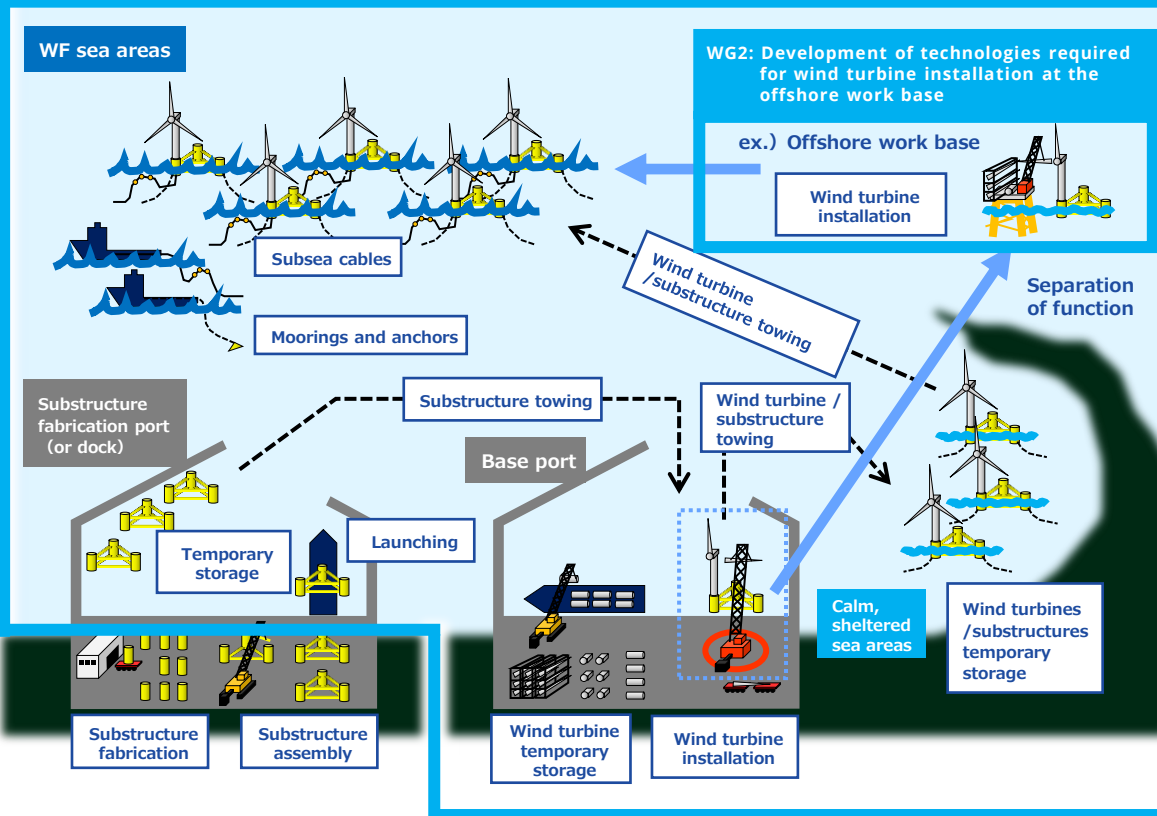
Toward establishment of a rational construction system for large-scale introduction of floating offshore wind, FLOWCON will aim at: Achievement of 1. Large-scale and rapid construction, 2. Reasonable construction cost

Research details

- (1) Studies on **rational construction systems** for floating offshore wind
(productivity improvement in wind turbine installation onto substructures) [WG1]
- (2) Development of **technologies required** for wind turbine installation at the offshore work base [WG2]
- (3) Development of **metocean prediction system** for offshore wind construction [WG3]

WG1: Studies on rational construction systems for floating offshore wind

WG3: Development of metocean prediction system for offshore wind construction



FLOWCON's Structure

General Assembly

Board of Directors

Management Committee

Secretariat

WG 1

WG 2

WG 3

Members

Members (seven)

Penta-Ocean Construction
Toa Corporation
Toyo Construction
Wakachiku Construction
Nippon Steel Engineering
IHI Transport Machinery
Sumitomo Heavy Industries

Supporting members (three)

Kanadevia Corporation,
JFE Engineering Corporation,
Japan Marine United Corporation

Advisors
(three)

※scheduled to participate

Advisory

Technology exchange

-The Coastal Development Institute of Technology
-The Port and Airport Research Institute
-The Specialists Center of Port and Airport Engineering

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