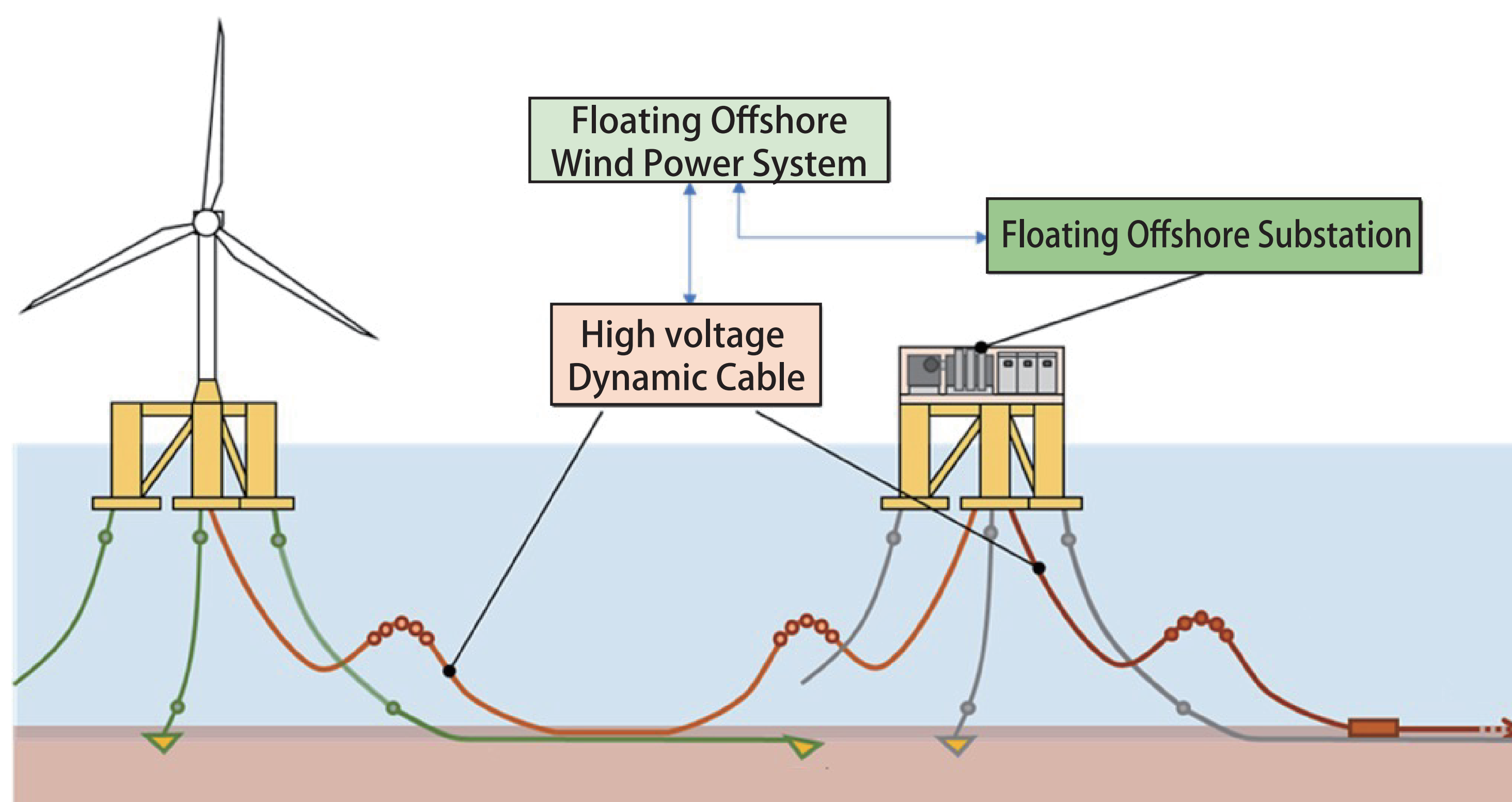


Wind Energy



Research and development item phase 1-③ Development of electric system technologies related to offshore wind power

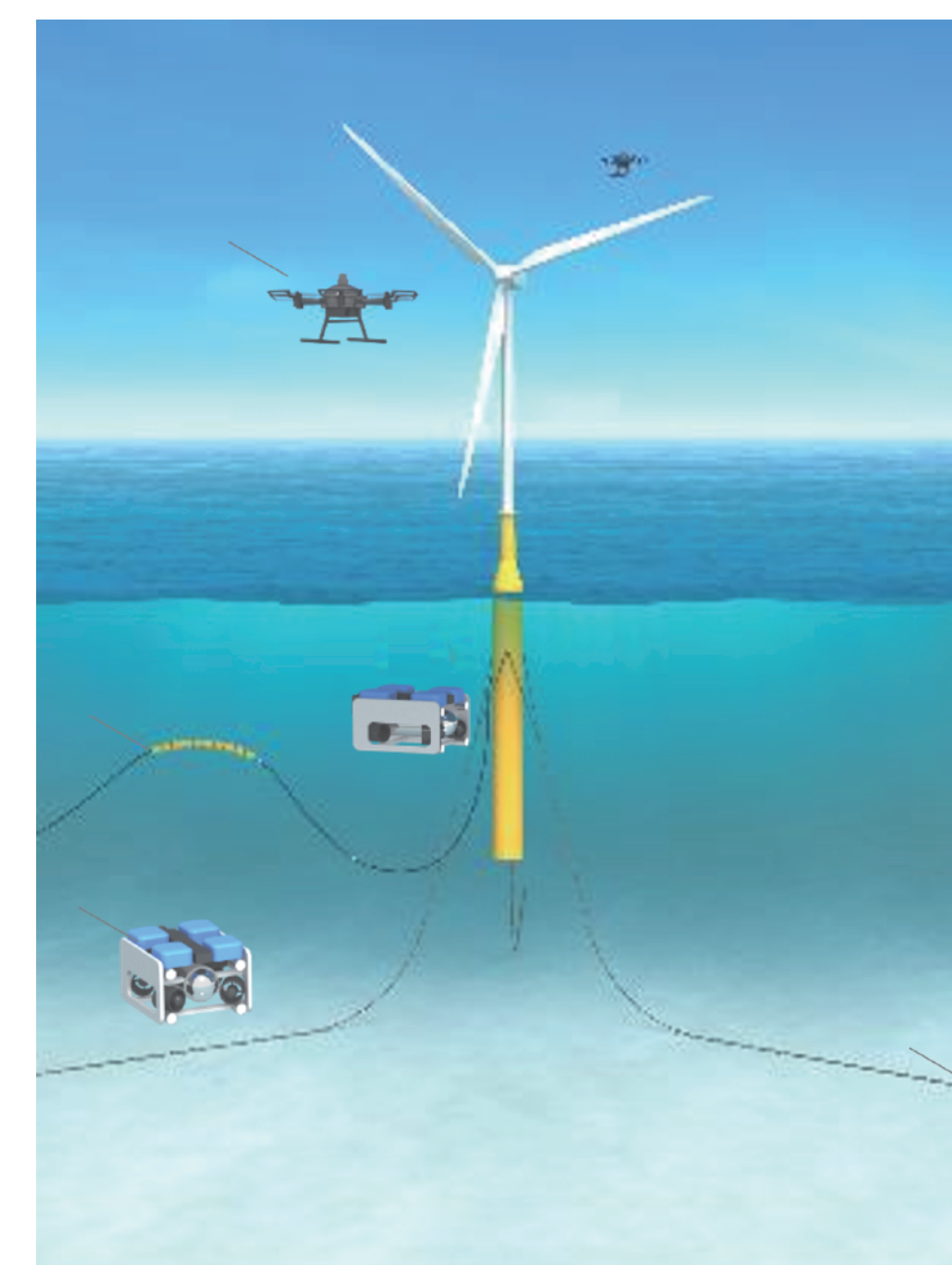
NEDO will develop technologies related to high-voltage dynamic cables and floating offshore substations to adapt to severe weather conditions such as typhoons and hydrographic conditions such as wave, which are characteristic of Japan and Asia.



▲Equipment subject to research and development and implementation organization

Research and development item phase 1-④ Sophistication of offshore wind power operation and maintenance

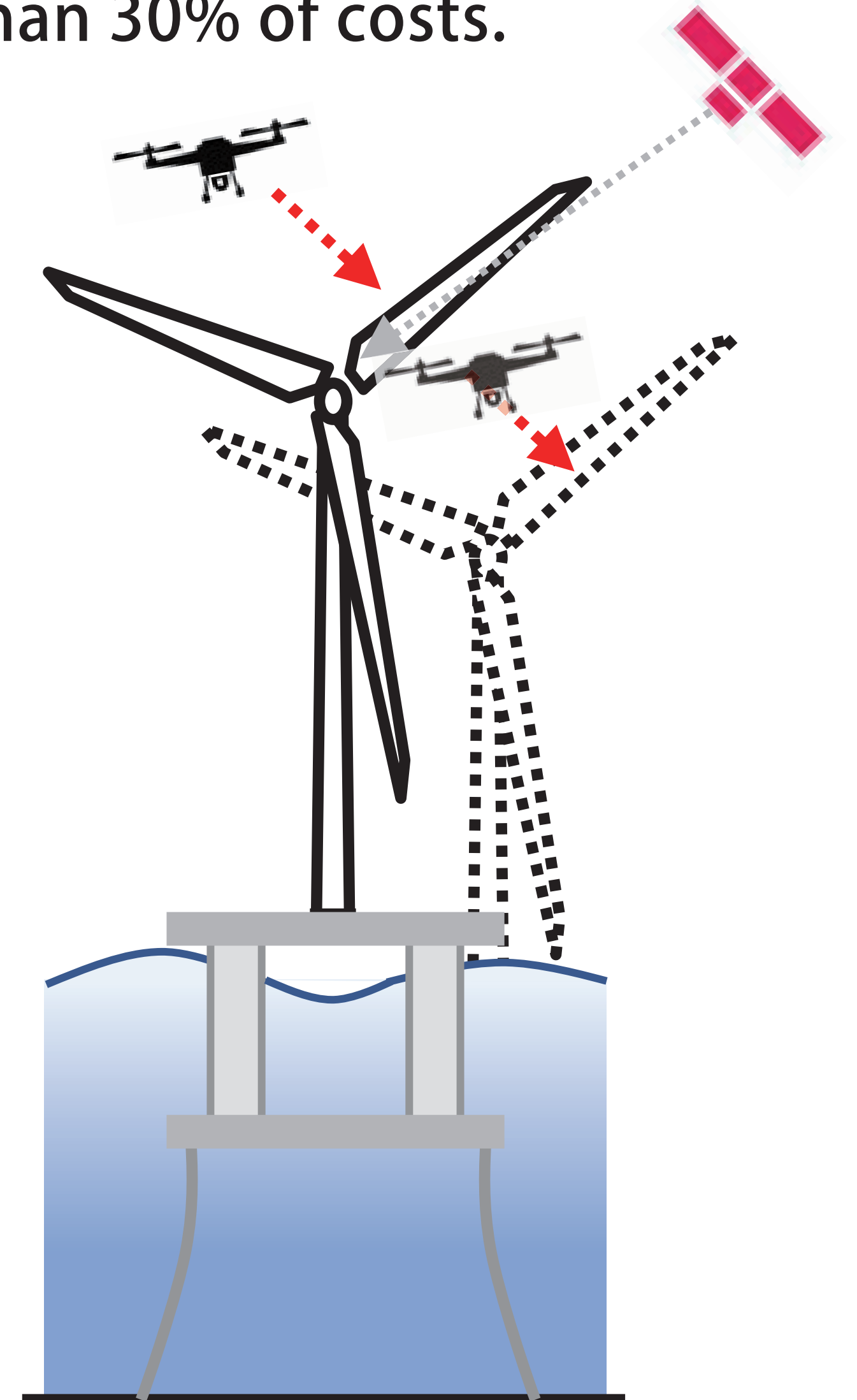
NEDO will develop technologies related to operation and maintenance, repair technologies, and sophistication of monitoring and inspection technologies for sophistication of maintenance, which accounts for more than 30% of costs.



▲Sophistication of operation and maintenance by remote control and automation



▲Development of CLV (Cable Laying Vessel)



▲Development of a drone for appearance inspections

Research and development item phase 2 Floating Offshore Wind Power Demonstration Project

While incorporating the results of the core technology development conducted in Phase 1, we will carry out a floating demonstration project in actual sea areas using large-scale wind turbines with a capacity of 10 MW or more, with cost targets, takt time, etc. set, with an eye on the global market, in order to contribute to strengthening Japan's industrial competitiveness.

★Implementation structure ※Bold: Managing companies

①Akita Prefecture Southern Offshore Floating Offshore Wind Power Demonstration Project with an eye towards overseas expansion through low-cost Operators:

Marubeni Offshore Wind Development Co., Ltd., Tohoku Electric Power Co., Inc., Akita Prefecture Southern Offshore Floating Offshore Wind Power Co., Ltd., Japan Marine United Corporation, Toa Corporation, Tokyo Rope & Textile Rope Co., Ltd., KEPCO Plant Co., Ltd., JFE Engineering Corporation, Nakanihon Air Service Co., Ltd.

②Aichi Prefecture Floating Offshore Wind Power Demonstration Project

Operators: Seatec Corporation, Canadavia Corporation, Kajima Corporation, Hokutaku Corporation, Mitsui O.S.K. Lines, Ltd.

