

J-POWER joined the German green hydrogen consortium “AquaVentus”

Electric Power Development Co., Ltd. (headquartered in Chuo-ku, Tokyo; Toshifumi Watanabe, President, “J-POWER”) announces that J-POWER has joined the German green hydrogen initiative “AquaVentus” established by 26 leading international companies, organizations and research institutions in December 2020. Now it has more than 60 members.

Several projects are currently planned under the AquaVentus initiative and they are targeting to generate green hydrogen from the electricity generated by 10GW offshore wind power station by 2035. J-POWER believes that its participation in the Consortium will provide the company with valuable expertise in production, transportation and usage of green hydrogen. Taking advantage of this benefit, J-POWER will accelerate its commitment to realize the net-zero society.

<Brief explanation of Aqua Ventus>

AquaVentus is a strong consortium that is currently made up of more than 60 leading international companies, organisations and research institutions. Together we intend to make a substantial contribution to the implementation of the German and European hydrogen strategy. Our sustainable goal is to produce green hydrogen at sea, with the clear vision of achieving ten gigawatts of production capacity for green hydrogen from offshore wind energy and transporting it to land by 2035. This could provide groundbreaking impetus for the energy transition and for reducing CO2 emissions in the mobility sector and industrial production.

The project portfolio associated with the AquaVentus initiative includes various sub-projects along the value chain from the production of hydrogen in the North Sea to transportation to customers on the mainland. These coordinated projects synchronise demand and production, thereby facilitating market roll-out. The AquaVentus project portfolio includes the following: The development of offshore wind turbines with integrated hydrogen production (AquaPrimus), a large-scale offshore hydrogen park (AquaSector), a central supply pipeline (AquaDuctus), infrastructure for harbours (AquaPortus), hydrogen-based maritime applications (AquaNavis) and a research platform (AquaCampus).