

Hydrogen Energy Supply Chain for Decarbonization

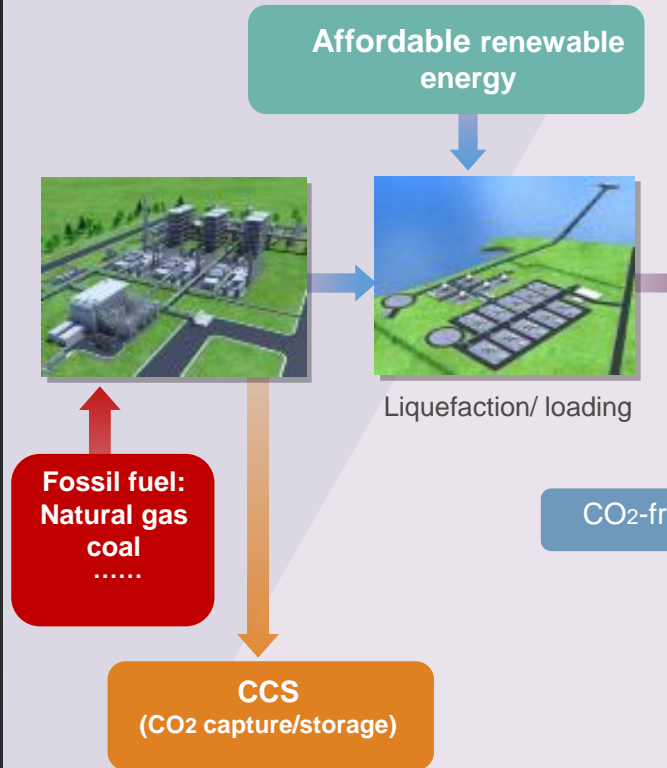
June 23,2021

Kawasaki Heavy Industries, Ltd.

Concept of CO₂-free Hydrogen Chains

Producing country (Australia, ...)

Production of hydrogen at low costs from unused resources and/or abundant renewable energy

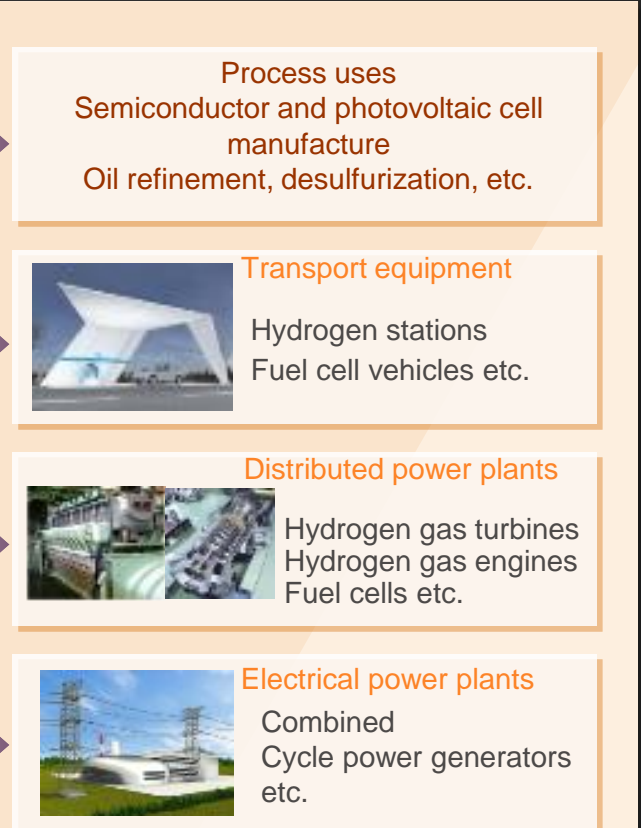


production

Utilizing country (Japan)



transport / storage



utilization

Status of the Pilot Demonstration Project

Hydrogen Production (Australia)



Land Transportation and Liquefaction(Australia)



Maritime Transportation



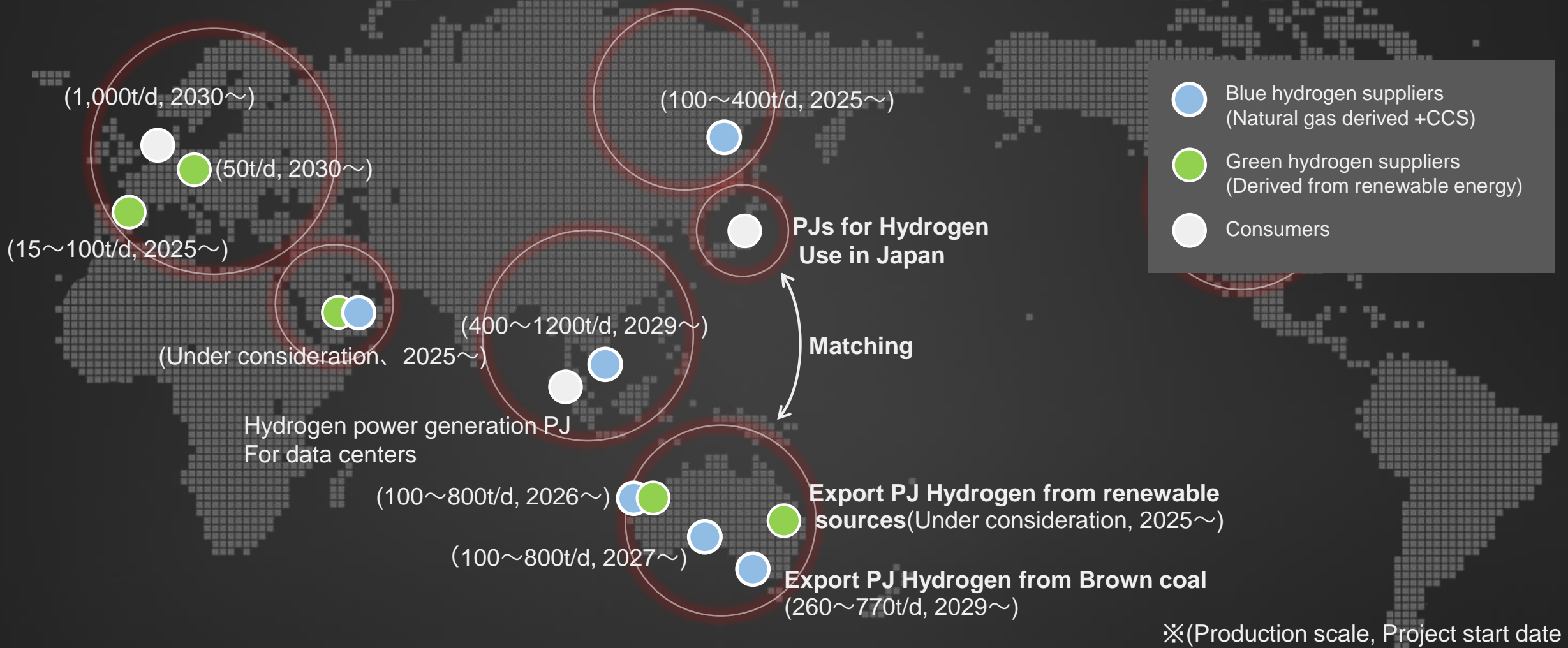
Length	116m	Speed	13knot
Width	19m	Cargo	1,250m ³
Crew	25person	Propulsion	Diesel Electric

© HySTRA

Unloading and Storage

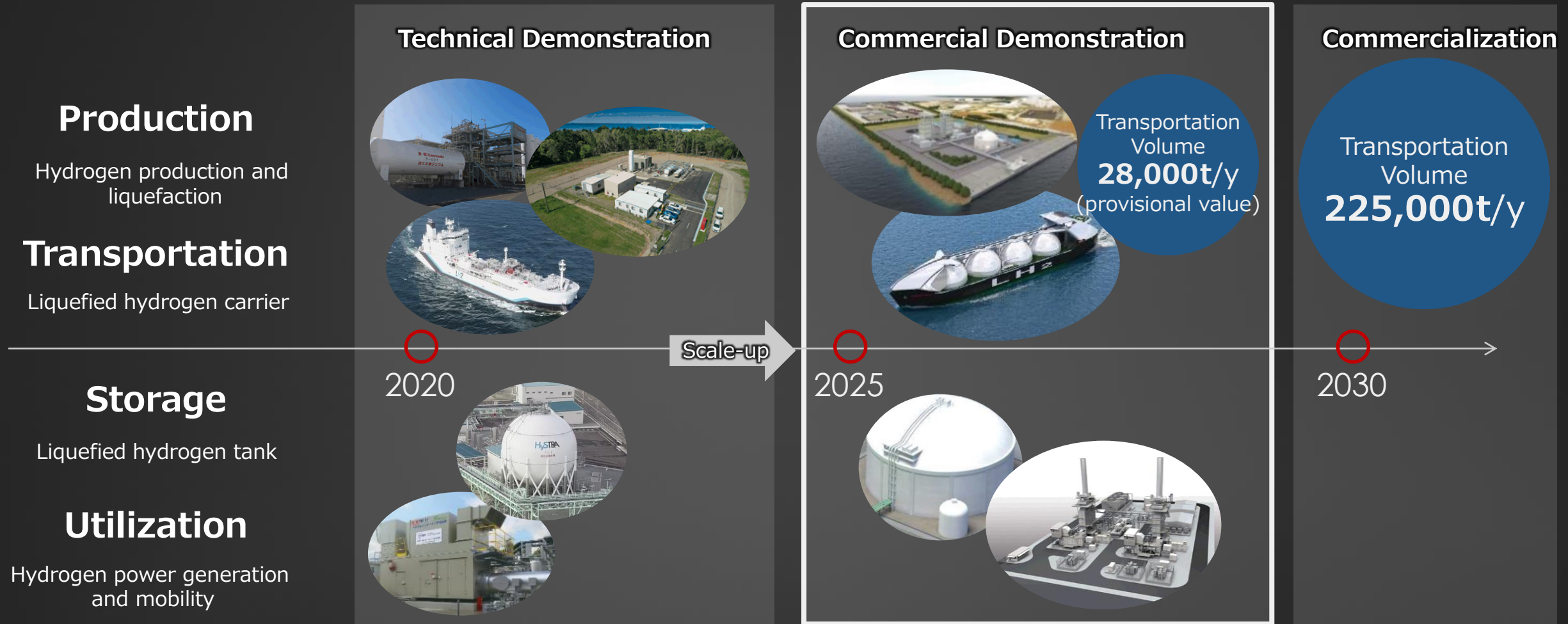


Hydrogen Businesses: Accelerating Business Structuring under Carbon Neutral Trends



※(Production scale, Project start date)

Steps in Large-Scale Use / Large-Scale Transportation of Hydrogen



Further Development of Hydrogen-Related Products/Businesses



Liquefied Hydrogen Supply Chain

Energy Solution & Marine Engineering Company



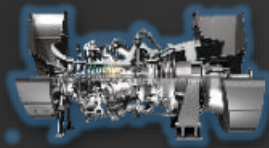
Hydrogen Valves For FCV

Precision Machinery & Robot Company

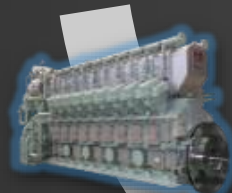


Fuel Cell Vehicles

Rolling Stock Company



Hydrogen Power Generation



Hydrogen Aircraft Engines

Aerospace Systems Company



Hydrogen Vehicles

Motorcycle & Engine Company

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