

Final Investment Decision for Hai Long Offshore Wind Power Project in Taiwan



September 22, 2023

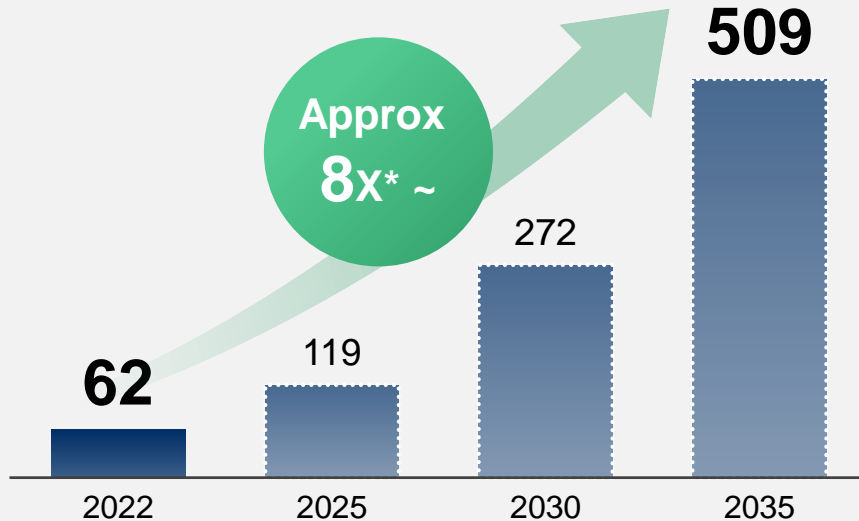
Mitsui & Co., Ltd. (Tokyo Stock Exchange: 8031)

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Overview of the Offshore Wind Power Generation Market

Forecast of global offshore wind power generation capacity from 2022 (GW)



Source: Bloomberg NEF – 1H 2023 Global Wind Market Outlook

* Compared with 2022



High growth potential

Global power generation capacity to reach **509 GW** in **2035**

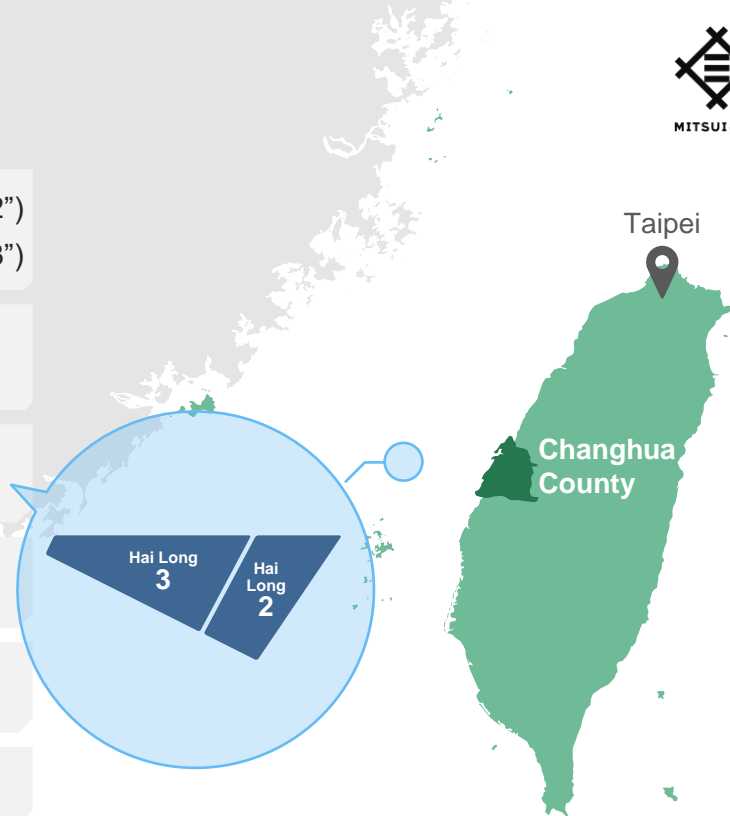


Taiwan: Focusing on development

Aiming for **40 to 55 GW** by **2050**

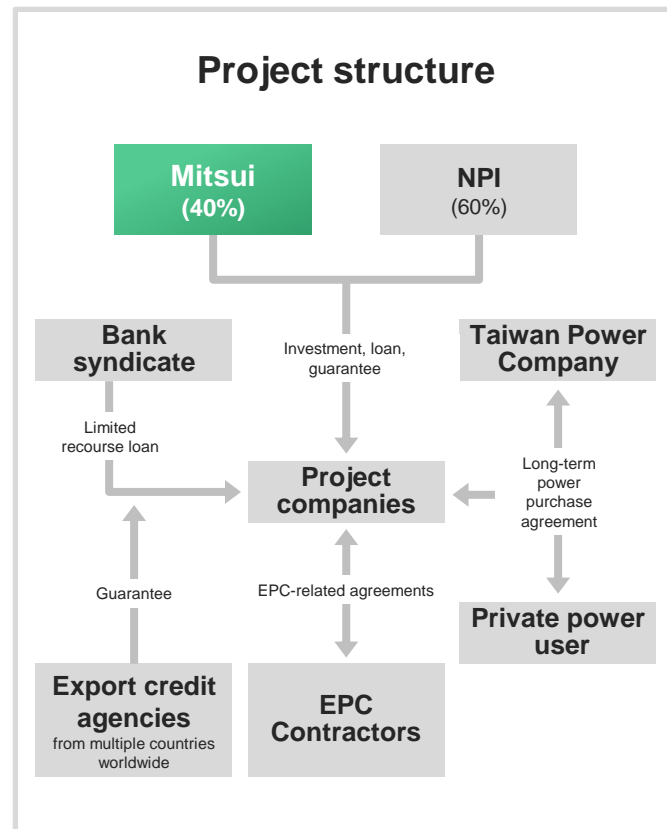
Project Overview 1/2

Project companies	Hai Long 2 Offshore Wind Power Co., Ltd. (“HL2”) Hai Long 3 Offshore Wind Power Co., Ltd. (“HL3”)
Shareholders	Northland Power Inc. (“NPI”): 60% Mitsui & Co. (“Mitsui”) : 40%
Project site	Offshore area 45-70km off Changhua County, Taiwan (water depth: 35-55 m)
Type of generation system	Bottom-fixed offshore wind power plant
Power generation capacity	Total of 1,022 MW (HL2: 518 MW, HL3: 504 MW)
Turbines used	14 MW turbines x 73 units
Estimated power generation	Approx. 4,500 GWh per year (Equivalent of the electricity consumed annually by more than 1 million households in Taiwan)



Project Overview 2/2 (As of September 22, 2023)

Power Off-taker	Taiwan Power Company and a private power user (S&P rating: AA-)	
Power sale period	20 to 30 years from start of operation	
Total project cost	Approx. 960 Bn yen Breakdown: <ul style="list-style-type: none"> ● Contribution from shareholders: Approx. 420 Bn yen (includes contributions already made) Mitsui : investments and loans of 170 Bn yen, guarantees of 90 Bn yen ● Funding through project finance: Approx. 540 Bn yen 	
History and schedule	2018	Project selected, participation by Mitsui
	2019	Concluded power purchase agreement ("PPA") for HL2A (294 MW) area
	2022	Concluded PPA for HL2B/3 (728 MW) areas
	2023	Acquired construction permits, concluded core financing documents
	2025 end	Planned completion of HL2
	2026 end	Planned completion of HL3



Project Features and Background

Stable Earnings

Secured a long-term power purchase agreement with Taiwan Power Company and a private power user

- Stable earnings based on the long-term electric power agreement spanning 20 years or more
- After start of operations: Average PAT 3 Bn yen/year

One of the world's best locations for offshore wind power

- Annual average wind speed Approx. 11 m/s

Risk Management

Collaboration with partners and securing contractors with an extensive track record in offshore wind power generation

- The partner NPI has an extensive track record developing and operating offshore wind power plants
- Participation of leading contractors such as SGRE^{*1} and DEME^{*2}
- Reduced construction risk by advanced development

Structuring competitive financing through utilization of ECAs

- Formation of syndicated loan by ECAs including JBIC and NEXI, and approximately 20 lenders, and mitigate impact of geopolitical risk

Strategy and Rationale

GHG reduction contribution and increase in percentage of renewable energy

- GHG reduction contribution 2.2 million tons / year

Acquisition of expertise for development for offshore wind power projects

- Gaining expertise of project development and management, with a focus on commercial, legal, financial, permitting and technical matters
- Deploy and utilize the expertise and human resources gained for the subsequent project development

Final investment decision on this project consistent with our strategy

Halve GHG Impact by 2030

Build up expertise of large-scale renewable energy

Formation of business clusters starting with renewable energy

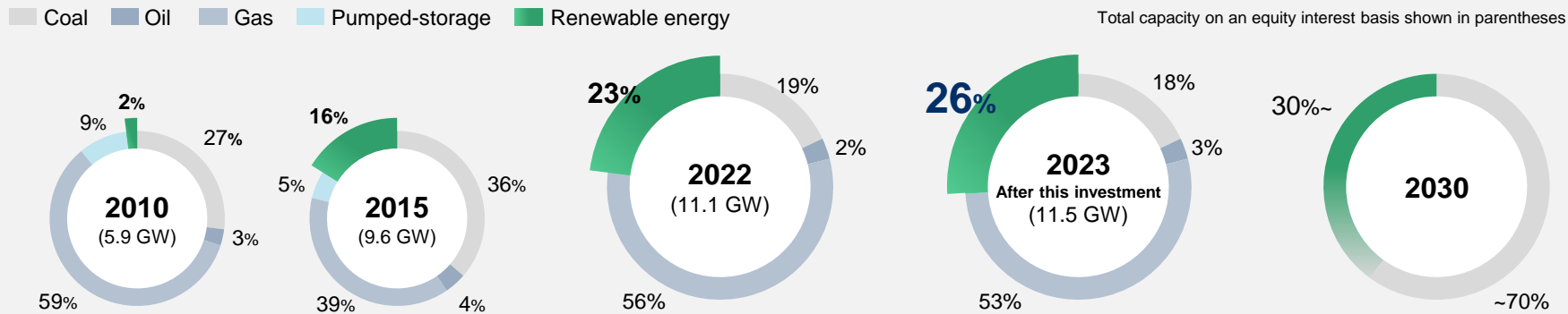
*1 Siemens Gamesa Renewable Energy S.A. *2 DEME Offshore Holding NV

Progress of Mitsui's Basic Strategy for the Power Generation Portfolio 1/2

Portfolio transformation and improvement in line with changing times

Energy demand increase
due to economic growth
and increasing population

Heightened social needs for
decarbonization



GHG reduction contribution due to investment in the Hai Long offshore wind power project in Taiwan:

Entire project: **2.2 million tons / year**, Mitsui's equity interest: **0.88 million tons / year**

Progress of Mitsui's Basic Strategy for the Power Generation Portfolio 2/2

Portfolio transformation and positioning of this project

FY March 2022

FY March 2023

FY March 2024

FY March 2025

FY March 2026



Inclusion into portfolio

April 2022

Investment in Mainstream
Operational and under construction: [1.6GW]
Under development: [15.5GW]
Investment in large-scale renewable energy project in India: [1.3GW]

2023

Hai Long FID [1.0GW]

2024

Scheduled completion of large-scale renewable energy project in India [1.3GW]

2025 end

Scheduled completion of Hai Long2

2026 end

Scheduled completion of all Hai Long units

Acquisition of expertise on offshore wind power through participation in this project, and rollout including related businesses starting with renewable energy



October 2022

Completion of Unit 1 of gas-fired power plant in Thailand[2.5GW]



2024 (2nd Half)

Scheduled completion of Unit 2 of gas-fired power plant in Thailand [2.5GW]



Transfer or assets



November 2022

Transfer of gas-fired power plant assets in Mexico [2.2GW]



2023


Transfer of coal-fired power plant assets in Indonesia [2.0GW]

Maintaining and increasing revenue, and promoting renewable energy initiatives through combination of projects with different timelines


Formation of Business Clusters Starting with Renewable Energy

◆ In parallel with the transformation of the power generation portfolio, Mitsui is also engaged in a variety of related businesses starting with renewable energy

Purchase of electric power and environmental value from roof-mounted solar power



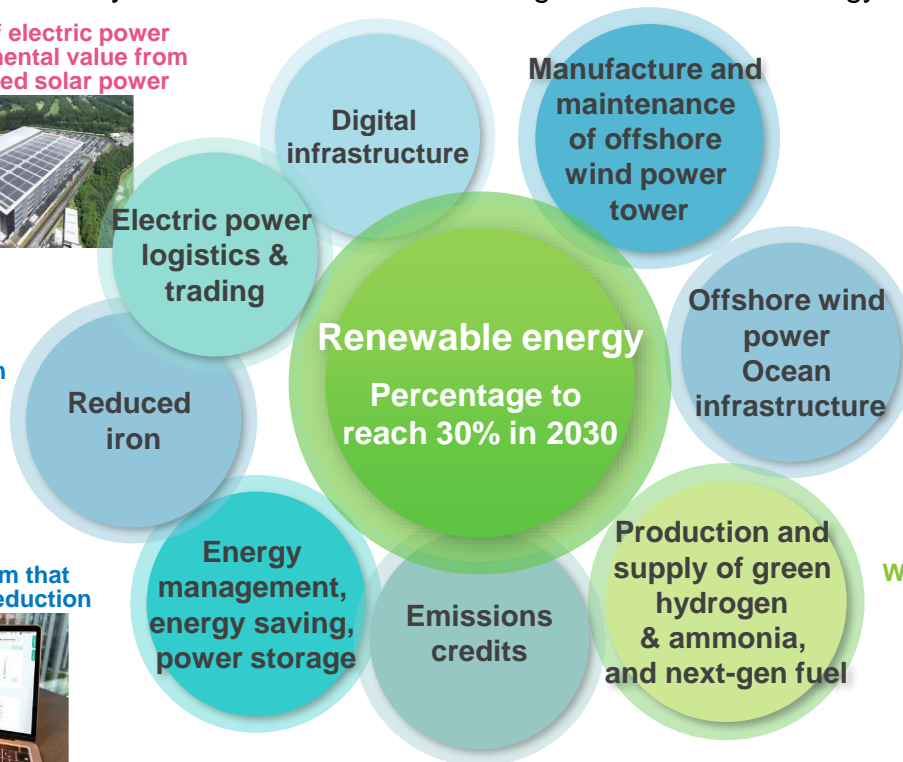
Distributed solar and power storage solutions business in the U.S.



Consideration of commercialization of low CO2 iron metal production in Oman



e-dash platform that supports CO2 reduction



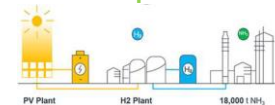
Investment in wind turbine tower manufacturer



Renewable Hydrogen Project in Western Australia



Feasibility study for demonstration project of green ammonia production in Chile



World's first e-methanol production and sale business in Denmark



360° business innovation.



MITSUI & CO.