

Our Commitments toward a Decarbonized Society with Hydrogen

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Marubeni Corporation

November 2021

1. Introduction to Marubeni
2. From IPP (Independent Power Producer) to IHP (Integrated Hydrogen Producer)
3. Enabling Hydrogen Economy – Building a Track Record



Company Profile

● Name of Company	Marubeni Corporation
● Founded	May 1858
● Incorporated	December 1, 1949
● President and CEO	Masumi Kakinoki
● Paid-in Capital	J¥ 263 billion (£ 1.7 billion)
● Head Office	Tokyo, Japan
● Number of Branches and Offices	133 branches and offices over 67 countries
● Number of Employees	4,389 (45,470 of Group)
● Number of Consolidated Companies	456
● Stock Listing	Tokyo

● Company Creed



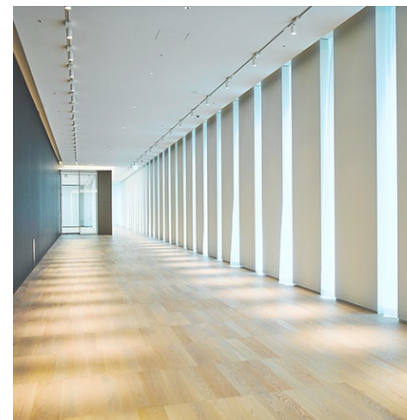
(As of March 31, 2021)



Head Office is located in vicinity of Imperial Palace



"Marubeni Gallery" opened in Nov. 2021 on the 3rd floor of Marubeni head office building.



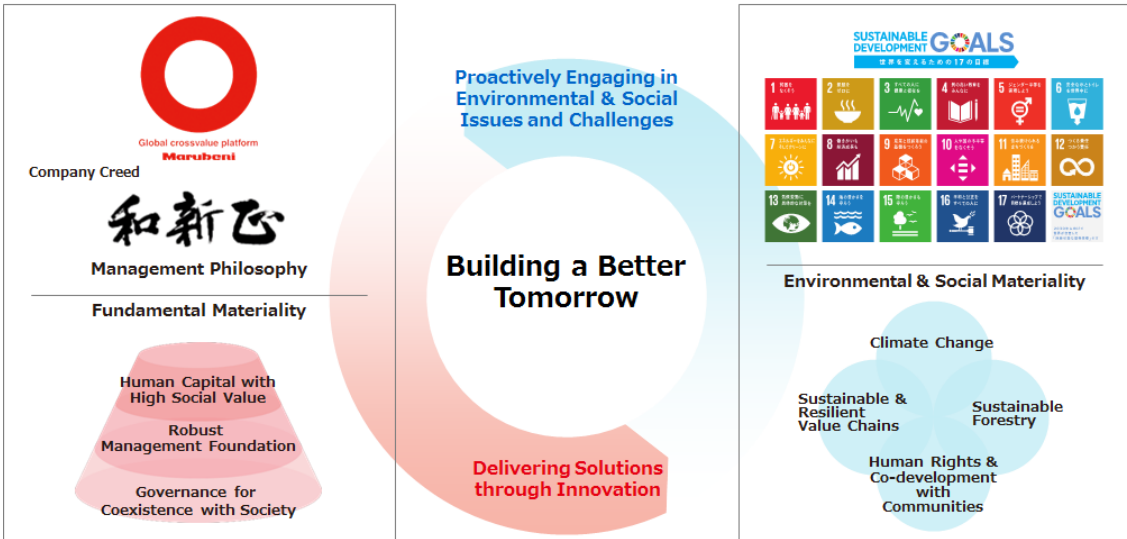
Identification of Environmental & Social Materiality

Marubeni Group has identified **Fundamental Materiality** as well as **Environmental & Social Materiality** through its review process of material issues for sustainability carefully thinking of SDGs and Company Creed.

Climate Change

Marubeni Group has identified the 4 categories of Environmental & Social Materiality in which it can truly make a valuable contribution.

- **Climate Change**
- Sustainable Forestry
- Human Rights & Co-development with Communities
- Sustainable & Resilient Value Chains

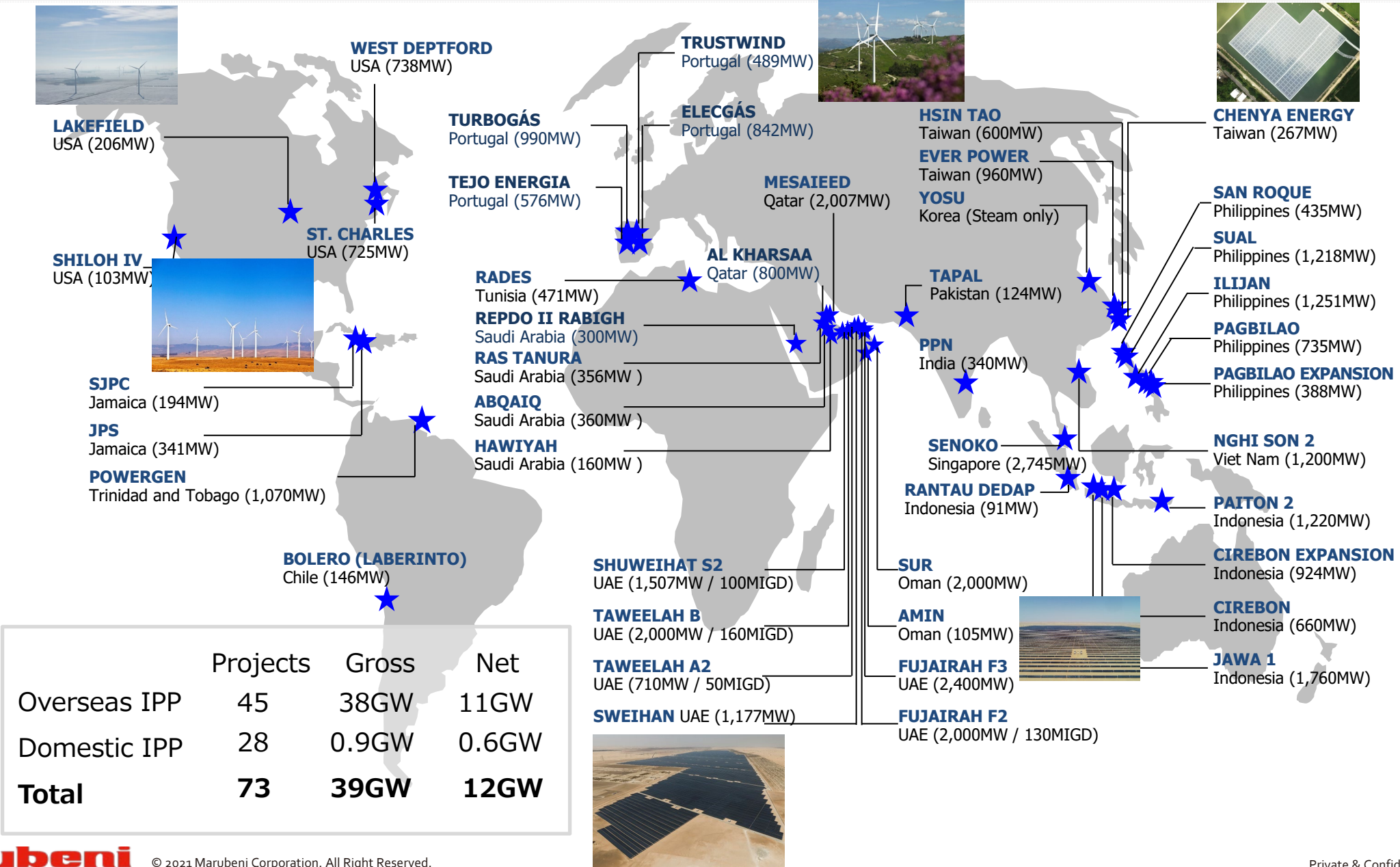




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Unique Track Record as an Independent Power Producer

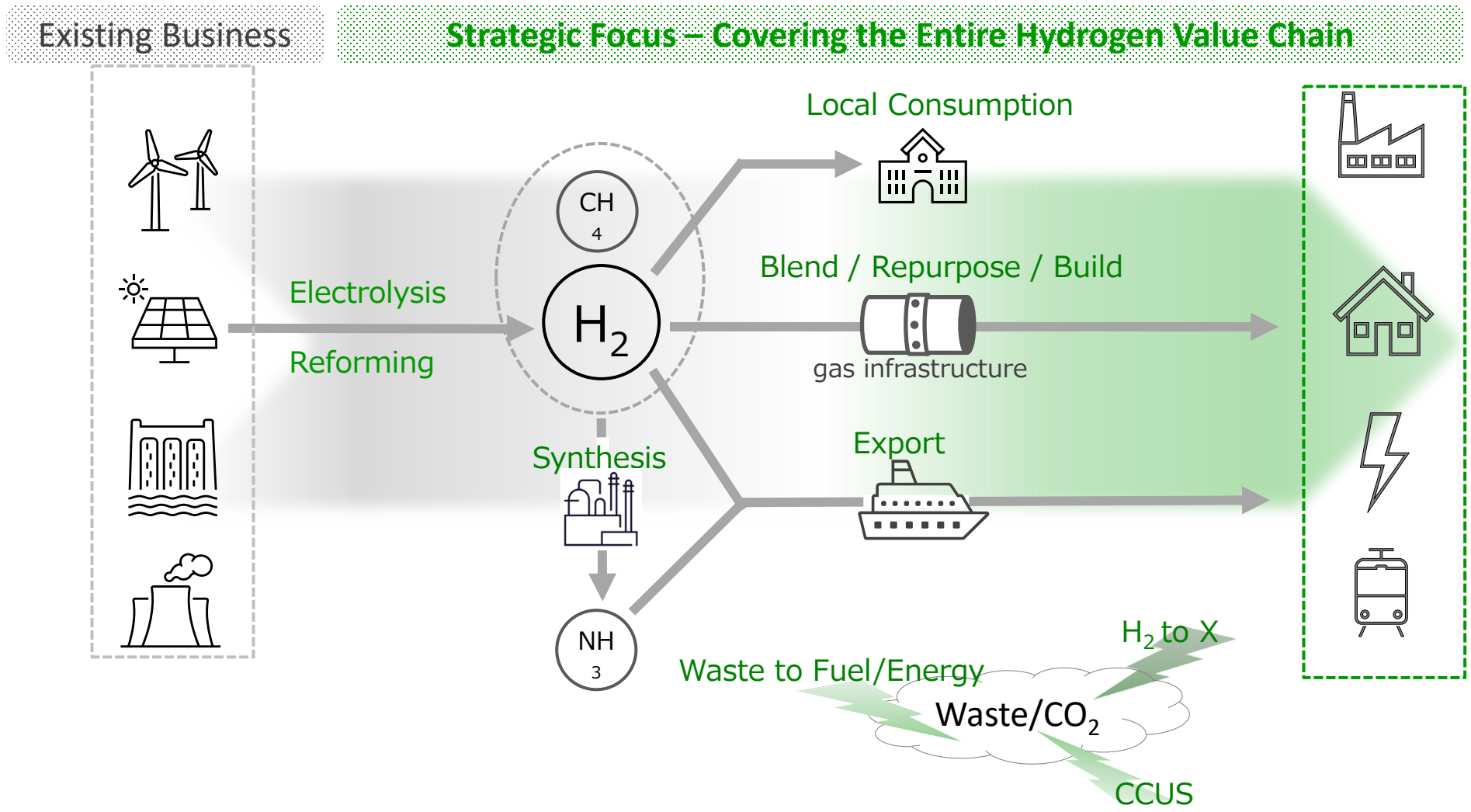


	Projects	Gross	Net
Overseas IPP	45	38GW	11GW
Domestic IPP	28	0.9GW	0.6GW
Total	73	39GW	12GW



Evolving into an Integrated Hydrogen Producer

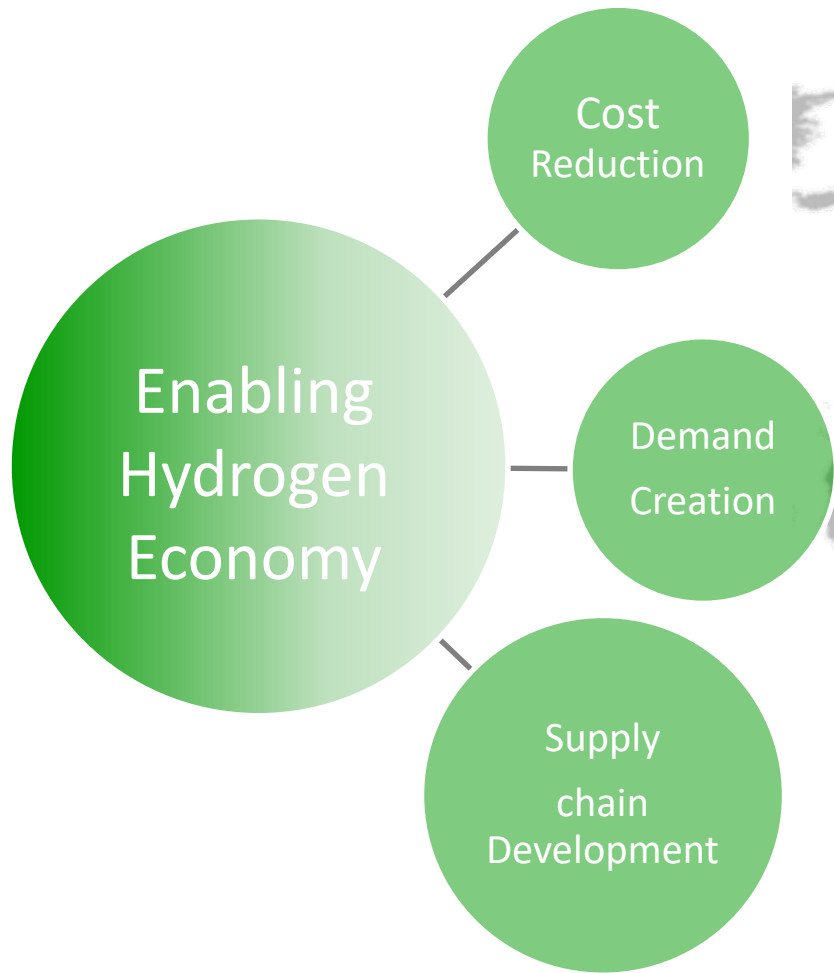
Tackling societal challenges and customer needs on the path toward a low-carbon society, while also continuing to focus on existing businesses



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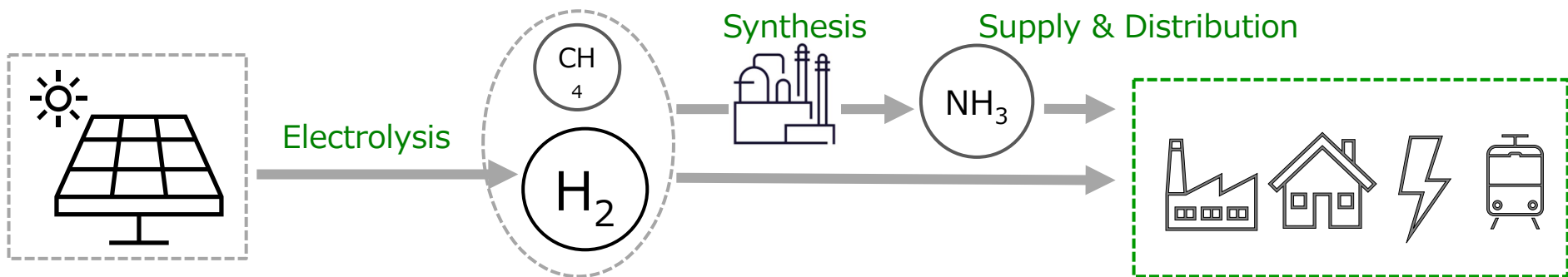
Our Activities on the Ground

Leading more than 10 Hydrogen and Fuel Ammonia demonstration projects, making pathways for hydrogen economy





Project Example: Marubeni as a Green Hydrogen Producer



Hydrogen-Based Society

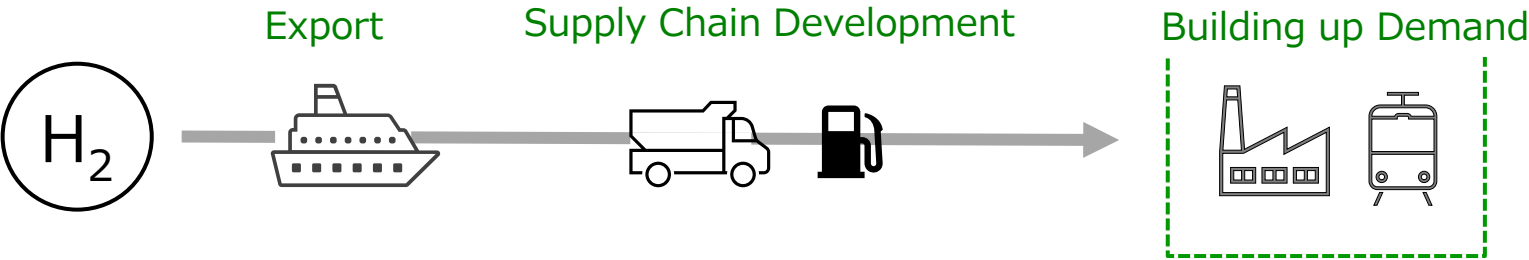
Abu Dhabi,
Middle East

- In Abu Dhabi, Marubeni developed and operates 1.17GWp PV power station since 2019.
- Marubeni is engaged with government of Abu Dhabi, U.A.E. to collaborate in establishing a Hydrogen-Based Society.
- Working with Omani Energy and a local engineering company





Project Example: Marubeni in Hydrogen Supply Chain



Hydrogen Supply Chain

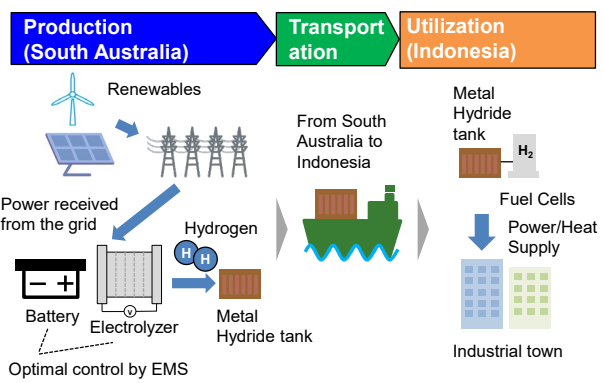
Australia-Japan

- The project aims to establish an international Hydrogen Supply Chain in Coastal Area, Japan, to import hydrogen from Australia.
- technical and commercial analysis is underway to establish an efficient supply chain and to build up demand in coastal areas.
- Marubeni leads a consortium of 4 companies.



Australia-Indonesia

- The project aims to produce economical and stable green hydrogen by making effective use of grid surplus power come from renewable energy in South Australia.
- By using the metal hydride tank, transport the green hydrogen from South Australia to Indonesia, and do power/heat supply services in the industrial town in Indonesia by using fuel cells.

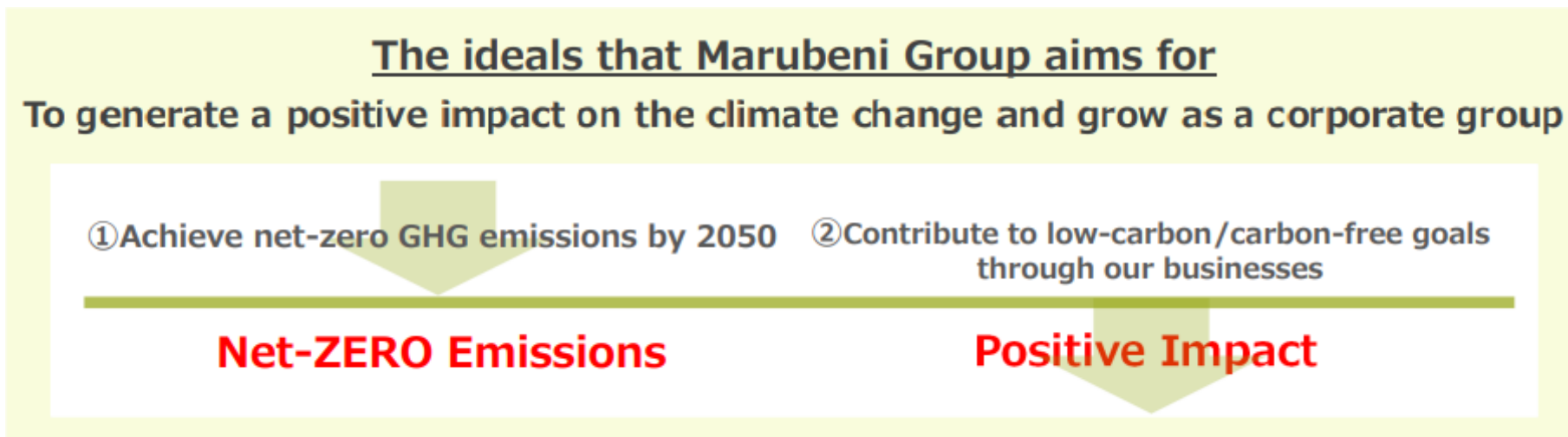


○ Long-Term Vision on the Climate Change

Transforming the environmental impact of its businesses to a positive one

Marubeni Group aims to transform the total environmental impact of its business activities to a positive one by contributing to low-carbon and decarbonizing through its business activities while itself achieving net-zero GHG emissions.

- ① **Net-zero GHG emissions by 2050^(*)**
- ② **Promote contributions to low-carbon / carbon-free goals through Marubeni Group businesses**



(*) Boundary of the net-zero GHG emissions

Scope 1 Direct emissions from owned or controlled sources of Marubeni and its consolidated subsidiaries, such as through burning of fuel, industrial process, etc.,

Scope 2 Indirect emissions from the generation of purchased energy consumed by Marubeni and its consolidated subsidiaries.

Scope 3, Category 15(Investments) Amongst all other indirect emissions that occur in the Marubeni Group's value chain, Scope 1 and Scope 2 for associate investees account for using the equity method.



Marubeni Signs Memorandum of Understanding for Decarbonisation through Floating Offshore Wind and Green Hydrogen in Scotland

Nov. 10. 2021

Marubeni Corporation

Marubeni Corporation (hereinafter, “Marubeni”) is pleased to announce that, on November 10th, 2021, Marubeni signed a Memorandum of Understanding (hereinafter, “MOU”) with Scottish Enterprise on comprehensive collaboration for the decarbonisation of Scotland including floating offshore wind and green hydrogen businesses in Scotland.

[The first large-scale offshore wind power project in Japan in which Marubeni is the largest shareholder (the ports of Akita in Akita Prefecture)]

The Scottish Government has committed to Scotland achieving net zero greenhouse gas emissions by 2042. This MOU aims to contribute to the decarbonisation of Scotland by expanding floating offshore wind business, offshore wind supply chain and a green hydrogen value chain including production and its usage.

Marubeni owns stakes in power projects across 19 countries (including Japan) for a total net capacity of about 10,000 MW. In order to achieve its sustainability goals, Marubeni issued the Notification Regarding Business Policies Pertaining to Sustainability in the Power Generation Business in September 2018, and set the Marubeni Long-Term Vision on Climate Change in March 2020. Utilizing its experience in acting as a lead developer of these kinds of projects, Marubeni strives to promote the hydrogen production and its usage with abundant renewable energy sources in Scotland and promote the

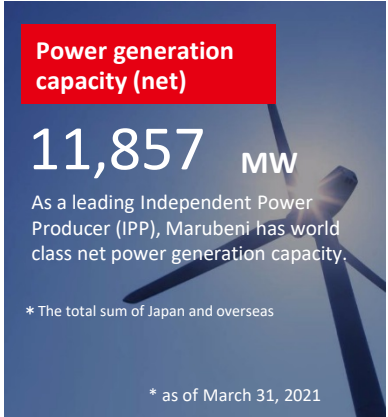
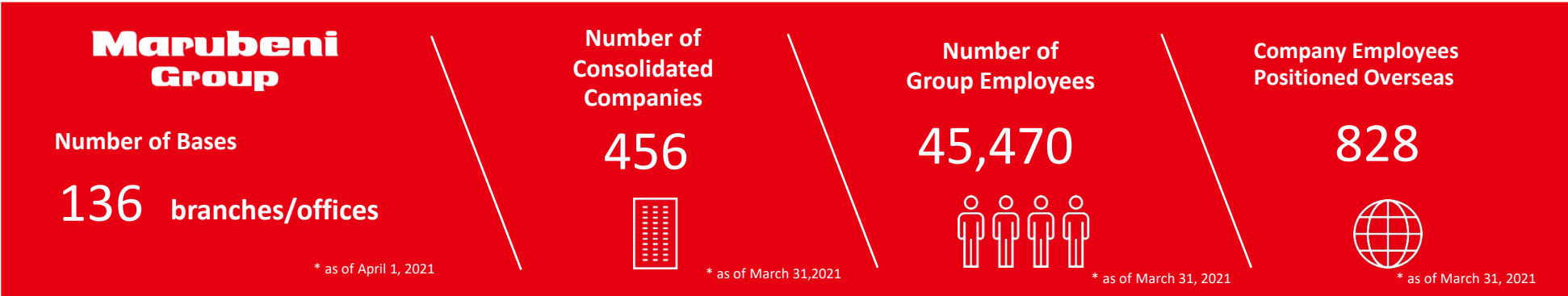


Courtesy of Akita Offshore Wind Corporation

The Marubeni logo, consisting of the word "Marubeni" in a bold, red, sans-serif font, is positioned in the top right corner of the slide. A large, thick red arc is visible in the background, curving from the top right towards the bottom right.

Marubeni

Thank you for your attention



Our Views On Sustainability

To Marubeni, “sustainability” means proactively engaging in environmental and social issues and challenges, delivering solutions through innovation, and living by the Management Philosophy.

