

OBUYASHI



Ministry of the Environment
Government of Japan

Project Briefing

“Demonstration Project for transportation of green hydrogen derived from geothermal power generation in NZ to Fiji and utilization of a dual fuel generator”

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1st Mar 2024



MAKE BEYOND
つくるを拓く



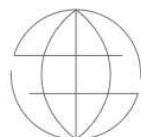
Establishment

1892



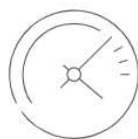
Number of employees

15,876



Overseas offices

16 Countries and regions



Years of business

132 years



Net sales

JPY 1,983 bn

(Equiv. USD 13.2bn)



Number of group companies

136

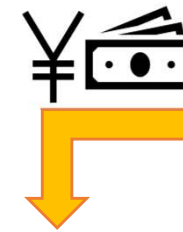


Business Strategy

Diversified global business portfolio centered on domestic construction



Seeds to create new business opportunities

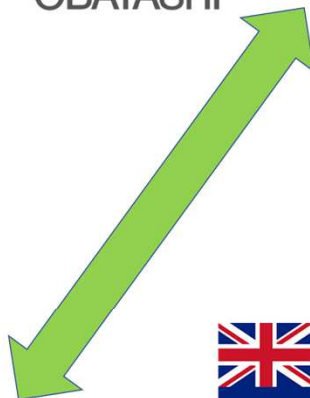
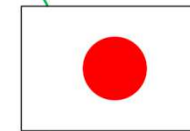


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The International Consortium for the Project



Representative Participant
Obayashi Corporation

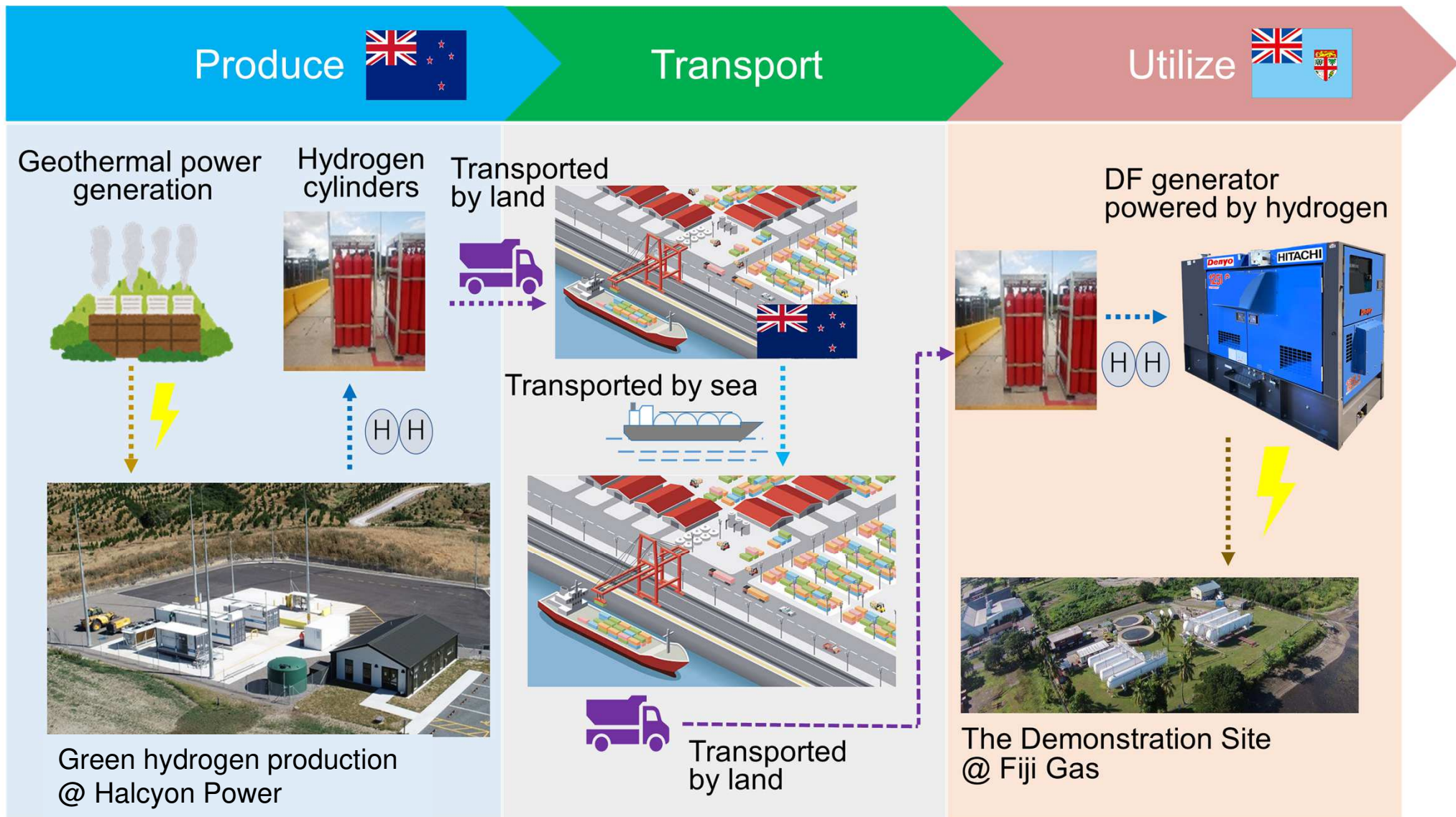


Partner Participant
Halcyon Power Limited



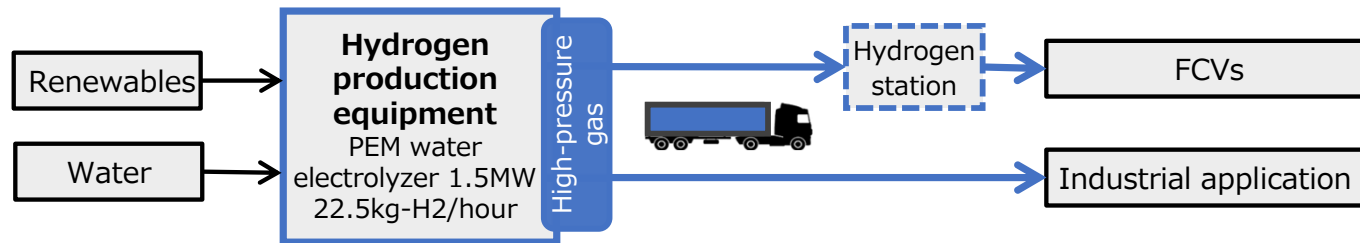
Partner Participant
Fiji Gas Pte Limited







- JV b/t Obayashi Corporation - NZ Maori trust
- Located in Taupo where abundant geothermal energy is harnessed
- NZ’s first commercial scale “green” hydrogen production facility
- Start producing hydrogen in March 2021



The Former PM Ardern visited the site on Sep.10, 2020



Rectifier/ Electrolyzer/ Gas Compressor



Fueling FCVs with Hydrogen





- Established in 1964
- HQ in Suva with 5 branches across Fiji
- The largest LPG distributor
- Take active actions in decarbonization

Why is Fiji Gas our partner?



@Open Street Map



Fiji Gas's LPG terminal in Lautoka

Currently,

Dual fuel generator:

On the sea heading for Fiji.
Scheduled to arrive in late March.
Operation on hydrogen in May.

Hydrogen:

Scheduled to be produced and shipped out from NZ to Fiji in April.

Challenges

1. Relevant regulations, laws, permits
2. Communication – Time difference, Language, speed
3. Shipping schedules – Frequently changed
4. Customs clearance – How smoothly cleared?
5. Commercialization of hydrogen in Fiji – Would it be widely accepted in Fiji?



A detailed illustration of a space station in orbit above Earth. The station is a complex of white modules and solar panels, with a long antenna extending from it. In the foreground, a satellite with a long boom and solar panels is visible. A comet streaks across the sky, leaving a long tail. The Earth is visible in the bottom right corner, showing the Americas. The background is a deep black space filled with stars.

THANK YOU

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