

# Brunei Hydrogen Energy Small Container Station Energy

Could Brunei shift from oil and gas to hydrogen?

If Brunei could shift from oil and gas to hydrogen, it could drastically reduce CO<sub>2</sub> emissions. This means that hydrogen could be a sustainable energy or technology for Brunei, but hydrogen's much higher supply cost than that of oil and gas is still an obstacle to such a shift.

Where is hydrogen produced in Brunei?

Hydrogen produced in Brunei's hydrogenation plant is shipped more than 4,000km inside containerised tanks to a dehydrogenation plant in the Japanese City of Kawasaki, where H<sub>2</sub> is extracted. The project will run by the end of the fiscal year of 2020.

Which country has opened a hydrogen demonstration plant in western Brunei Darussalam?

Brunei Darussalam, being a natural gas-rich country, has opened a hydrogen demonstration plant in western Brunei Darussalam with the support of Japan.

How much hydrogen has been shipped to Japan from Brunei Darussalam?

BRUNEI DARUSSALAM (Borneo Bulletin/ANN): A total of 4.7 metric tonnes of hydrogen have been shipped to Japan from Brunei Darussalam's first pilot hydrogenation plant, which is operated by the Advanced Hydrogen Energy Chain Association for Technology Development (Ahead).

Does Brunei Darussalam produce hydrogen?

Brunei Darussalam has started to produce hydrogen, called SPERA Hydrogen, from processed gas to be generated during the production process of liquefied natural gas (LNG) and has been exporting it to Japan since the end of 2019.

Can Brunei produce green hydrogen?

To achieve this goal, Brunei must transition from oil and gas to clean fuels, such as hydrogen, for both production and export. Producing green hydrogen will require harnessing renewable energies, but Brunei's solar Photo Voltaic (PV) potential is limited due to its land area constraints.



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