

About the Central Queensland Hydrogen Project

The Central Queensland Hydrogen (CQ-H₂) Project is a renewable hydrogen project located near Gladstone, in Central Queensland.

We are working with domestic and international partners from across the hydrogen supply chain to develop Queensland's largest renewable hydrogen project, with the view to exporting renewable hydrogen via its different carriers to Japan and Singapore, as well as supplying large industrial customers in Central Queensland.



Project facts

Project status:	Front End Engineering Design (FEED) study stage
Commercial operations commence:	2028 - Initial phase 2031 - Scale up
Electrolysers:	Up to 2500MW At full production
Up to 800 tonnes per day:	Supplied to ammonia and liquid hydrogen offtakers

Project life: 30 years

Project contribution at a glance

8,900 jobs supported

A\$17.2bn in hydrogen exports

A\$12.4bn contribution to Gross State Product



Supply of hydrogen to an ammonia production facility



The development of a Hydrogen Liquefaction Facility and ship loading facilities at Gladstone Port.

Project overview

The CQ-H₂ Project consortium comprises Japanese foundation companies, Iwatani Corporation, Kansai Electric Power Company, and Marubeni, Australian energy company Stanwell Corporation, and Singapore's Keppel Infrastructure.

At its peak, the proposed project will support more than 8,900 new jobs, and will also deliver A\$17.2 billion in hydrogen exports and A\$12.4 billion to Queensland's Gross State Product over its 30-year life. It will also benefit construction, utilities, heavy manufacturing, and a range of local service industries.



The CQ-H₂ Project has commenced the Front End Engineering and Design (FEED) study phase, with a commitment of AU\$117 million from government and consortium partners.

The project has secured FEED funding from all consortium members, as well as \$20 million from the Australian Renewable Energy Agency (ARENA), and \$15 million from the Queensland Government's Queensland Renewable Energy and Hydrogen Jobs Fund.

The purpose of the FEED study is to develop the project's technical, commercial, and social requirements to enable a Final Investment Decision to be made with confidence.

Supporting Queensland's renewable hydrogen sector

We are working with government, industry partners and education providers to support the growth of the renewable hydrogen industry in Queensland.

This includes investigating opportunities to maximise local workforce and manufacturing development, developing skills and training programs, and supporting renewable energy investment.

Supporting long-term benefits for Central Queensland

We are committed to working with the Gladstone community to ensure that the project creates long-term benefits for the region, and will continue stakeholder and community engagement activities in Gladstone during the FEED stage.

Project schedule

April 2021

Land secured

Secured land for the Hydrogen Production Facility in Aldoga

October 2021

Feasibility study commenced

Signed Memorandum of Understanding with consortium partners and commenced feasibility study

December 2021

Solar Farm MoU

Signed Memorandum of Understanding with Acciona to source energy from Aldoga Solar Farm

June 2022

Feasibility study completed Completed and published feasibility study

May 2023

FEED study

Signed Participation Agreement with consortium partners to jointly fund the FEED stage to move the project towards a Final Investment Decision

Late 2024

Final Investment Decision (Initial phase)

Decision to be made as to whether project is approved and sanctioned and whether project moves forward to development

2028

Commercial operations commence – initial phase

Supply of hydrogen to ammonia facility (200 tpd)

2031

Commercial operations commence – scale up Supply of hydrogen to Hydrogen

Liquefaction Facility (400 tpd)



3.7 0 1.83 3.7 Kilometres

Contact

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Legend



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