CASE STUDY

Central Queensland Hydrogen Project – Stanwell Corporation

Queensland Government owned Stanwell Corporation is leading the development of Australia's global scale renewable hydrogen project, right here in Queensland.

In May 2023, Stanwell announced Front-End Engineering Design (FEED) for the Central Queensland Hydrogen Project (CQ-H2). The study, backed by A$117 million from government and project consortium partners, brings the project one step closer to its Final Investment Decision (FID), planned for mid-2025. This has been supported by A$20 million from the Australian Renewable Energy Agency and A$15 million from the Queensland Renewable Energy and Hydrogen Jobs Fund.

CQ-H2 is Queensland's largest global scale renewable hydrogen project and ranks in the world's top 10 hydrogen projects at the pre-FID stage. The new hydrogen production facility in Gladstone is expected to produce 800 tonnes per day of hydrogen at ultimate scale, with the intention to export renewable hydrogen and ammonia to Japan and Singapore, as well as supply large industrial customers in Central Queensland.

In a collaboration success story, Stanwell has partnered with Japanese companies Iwatani Corporation, Marubeni Corporation, and Singapore's Keppel Infrastructure to undertake the FEED study to develop the project.

The project will create thousands of jobs in Central Queensland during construction and support an additional 1,000 jobs annually during its operational life. It will also deliver $14.5 billion in hydrogen exports and $8.9 billion to Central Queensland's Gross Regional Product over its 30-year life.

Image credit: Stanwell Corporation