

Project update - BCE

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APRIL 2023

Project partners

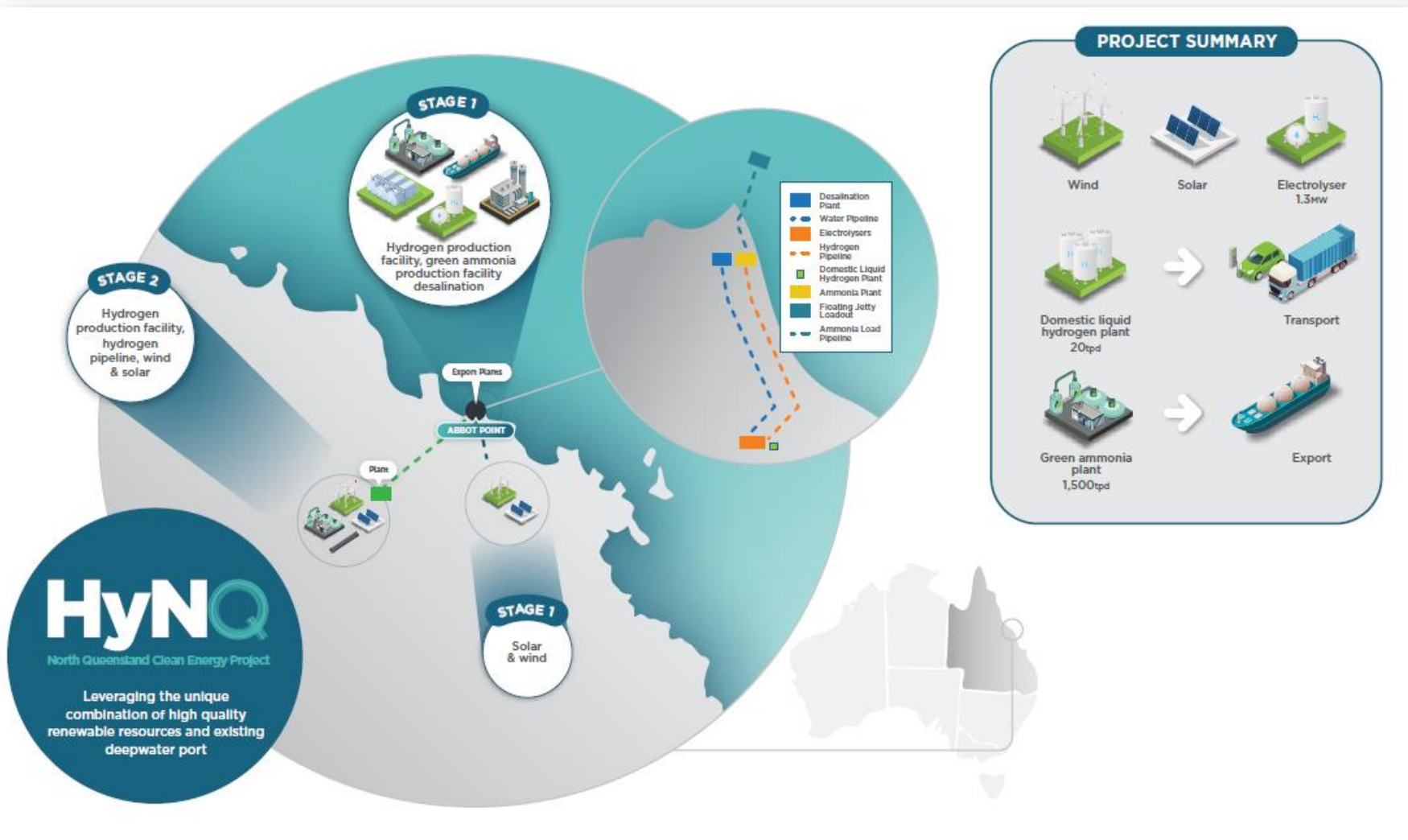
We are passionate about supporting and leveraging the development of common infrastructure (port, electrical, water and storage) for the creation of a Hydrogen Hub, located at Abbot Point and drawing on a supply-chain and workforce of Bowen and the Townsville region

The partnership brings together the right combination of hydrogen development expertise, Queensland energy market, project development expertise and local knowledge and access and understanding of key regional and global markets required to establish a hydrogen hub.



HyNq Overview

HyNQ or North Queensland Clean Energy Project is a large facility built at Abbot Point, for domestic supply and export of green hydrogen and ammonia, utilising behind the meter renewables and leveraging common infrastructure.



Proposed Port Infrastructure (East Side)



Project aims – Abbot Point

Development of a large-scale integrated project with co-located with manufacturing, green chemical and export industries. The “Enabling Queensland Hydrogen Production and Export Opportunities” published in October 2022, recognised Abbot Point as a priority port given:



Close proximity to renewable energy zones



Availability of land and berths



Suitable deep water shipping channel



Potential for port expansion



Close to Townsville and other regional centres possessing supporting infrastructure and transferrable skills to support and grow a new industry

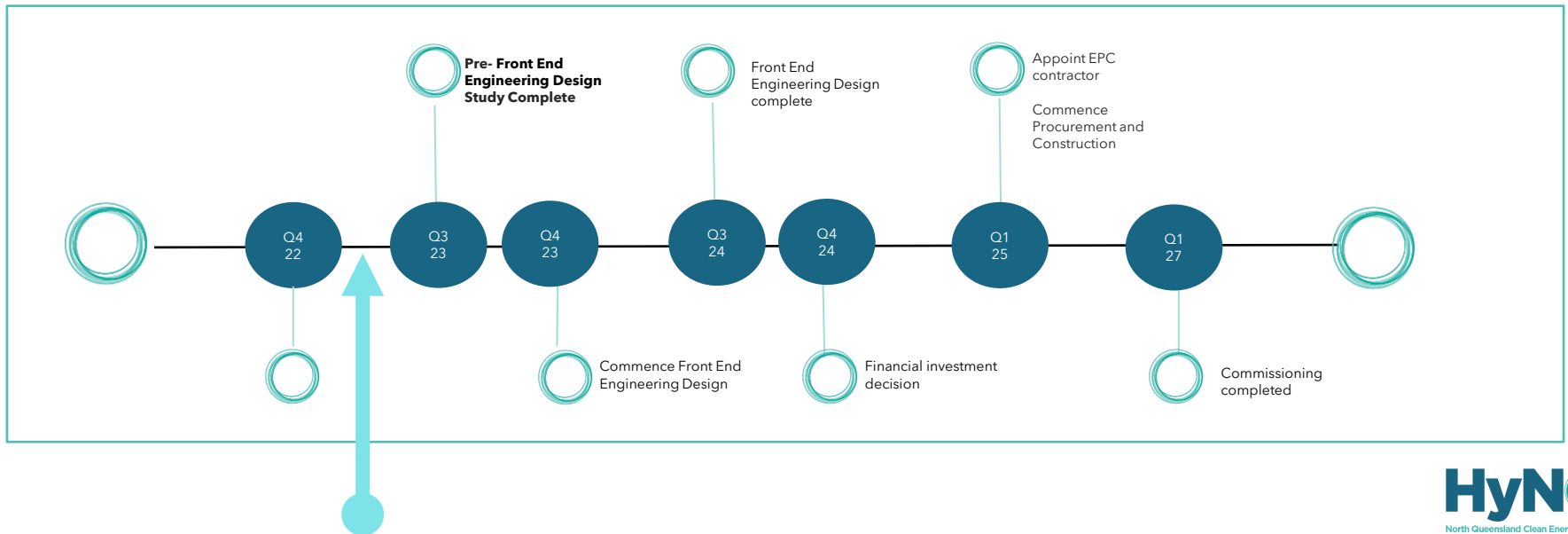
Activity updates

Completed a **Preliminary Site Assessment** providing a summary of site conditions and constraints associated with the development

- Marine environmental impacts, High-value ecological areas
- Native title and significant sites
- Topology and flood risk, ground conditions, including PASS risk management
- Vehicle access routes, Transmission line route access

Engaged leading advisers for feasibility studies - **Umwelt** as planning and environmental advisors, **Hatch** as process precinct engineers, **Econnect** on export solutions, **Baringa** as market adviser, **ACIL Allen** for economic impact, **Enosi** for green certification, **NRF** for legal, **Neil Thompson** as hydrogen industry expert, **PowerLink** on grid solutions, **Nextracker**, **Canadian Solar** and **SMA** for solar

Townsville Region Hydrogen Hub Funding Program - EOI submitted yesterday!



Economic impact assessment

April 2023

Economic impact assessment of proposed HyNQ North Queensland Clean Energy Project

Preliminary analysis

ACIL ALLEN

Key findings



GROSS PRODUCT

IMPACT RESULTS

Local Region¹: \$8.0bn (\$348m p.a.)
Queensland: \$8.5bn (\$370m p.a.)
Australia: \$7.4bn (\$323m p.a.)

Much of the economic value from the Project is generated in the Local Region and Queensland.



INCOME

IMPACT RESULTS

Local Region: \$0.4bn (\$19m p.a.)
Queensland: \$2.6bn (\$113m p.a.)
Australia: \$5.7bn (\$250m p.a.)

The Project delivers an average real income boost of ~\$1,000 a year per current resident of the Local Region.



JOBS

IMPACT RESULTS


Local Region: 220 FTE p.a.
Queensland: 264 FTE p.a.

During the operation phase the Project could increase the population in the Local Region by around 500 persons (assuming some workers bring their families).

¹ For this analysis, the Local Region comprises the aggregation of the Townsville SA4 plus the Mackay-Isaac-Whitsunday SA4 as defined by the ABS. This region comprises just over 420,000 people.

Alignment - QJEP & hydrogen roadmap

QUEENSLAND
ENERGY AND JOBS PLAN
Power for generations



Cleaner Affordable Energy For Everyone

100,000 jobs

September 2022

REGIONAL TRANSFORMATION PARTNER FRAMEWORK
Empowering & local
Released in draft



October 2022

Enabling Queensland's hydrogen production and export opportunities
October 2022



Queensland Government

HyNQ

North Queensland Clean Energy Project

The project partners have offices in Sydney on the traditional lands of the Gadigal people of the Eora Nation, in Brisbane on the traditional land of the Jagera and the Turrbal people, and in Adelaide on the lands of the Kaurna people.

We recognize their continuing connection to the land and waters and thank them for protecting this land and its ecosystems since time immemorial. We pay our respects to Elders past, present and emerging.