



Australian Government

Australian Industry
Participation Authority

Australian Jobs Act 2013

Australian Industry Participation Plan Summary - Project Phase

Nominated project proponent: FORTESCUE FUTURE INDUSTRIES PTY LTD

Project details

Name: Tasmania Green Hydrogen One (gH1) Project

Location: Bell Bay, Tasmania

Type: Other productive facility

Purpose: Establish new facility

Capital expenditure: \$500 million or more

Description: The Proponent proposes to develop a hydrogen production and green ammonia export project in the Bell Bay industrial precinct, in Tasmania (the Project). The Project will make use of renewable energy and water to produce hydrogen through electrolysis which will then be used to produce ammonia. It is currently contemplated that the Project will include a 250 mega-watt (MW) ammonia plant with green ammonia production capacity of 250,000 tonnes per year. The Project will involve the construction of hydrogen electrolyzers, air separation units, ammonia synthesis plant, ammonia product storage tanks, raw water and wastewater treatment plants, high voltage (HV) receiving substation/switchyard, non-process infrastructure (inclusive of warehouse and workshop) and a marine loading facility. The key features of the Proponent's procurement and contracting strategy for the Project will involve either an engineering, procurement and fabrication (EPF) or an engineering, procurement and construction (EPC) agreement with a process technology owner in the hydrogen/ammonia industry, with other major packages to be contracted either directly by the Principal or by the EPC contractor (if relevant). Australian entities will have full, fair and reasonable opportunity to tender for supply of goods or services for the Project either directly with the Proponent, or in a subcontracting capacity with the Proponent's major contractors. The Proponent's major contractors will be obligated in their contracts to comply with the Proponent's AIP Plan requirements (to the extent applicable and relevant to their scope) and report to the Proponent on their compliance. Procurement Activities Timeframe: Procurement activities are scheduled to commence in the second half of 2021. FID is expected to occur in the second half of 2021. Construction Activities Timeframe: Construction is scheduled to commence Quarter 1 2022. The green ammonia facility is expected to be operational December 2023.

Completion date: 31 Dec 2023

Key goods and services

Indicative list of key goods and services to be acquired for the project:

Key goods and services	Opportunities for Australian entities*	Opportunities for non-Australian entities	Explanation for no opportunities for Australian entities
Process Technology Solution and design of ammonia plant	Yes	Yes	
Site Preparation	Yes	Yes	
Wastewater Treatment & Effluent Drainage (Outflow)	Yes	Yes	
Raw Water Supply Treatment Plant	Yes	Yes	
HV Power Main Receiving Substation/Switchyard	Yes	Yes	
Telecommunications/IT and Security systems	Yes	Yes	
Non-Process Infrastructure (workshop, warehouse and gatehouse)	Yes	Yes	
Jetty/Port Upgrades	Yes	Yes	
Product Storage Tank	Yes	Yes	
Overall Plant Control System Integration	Yes	Yes	
Marine Loading Arm	Yes	Yes	
33kv Switchgear & Switchroom	Yes	Yes	
HV Transformers	Yes	Yes	
Construction and assembly of air separation unit	Yes	Yes	
Construction and assembly of ammonia synthesis loop	Yes	Yes	
Construction and assembly of all other modules required for ammonia plant	Yes	Yes	
Construction and assembly of electrolyzers	Yes	Yes	

* An Australian entity is an entity with an ABN or ACN

Project standards:

Australian
International

Supplier information and communication

Project proponent's contact person for supplier enquiries:

Contact person name Ray Loh
Contact person position Manager, ICNWA
Phone number 0893657499
E-mail Ray.Loh@icnwa.org.au

Project proponent website: <https://www.fmgil.com.au/about-fortescue/our-operations> and <http://gateway.icn.org.au/>

Project opportunities website: <http://gateway.icn.org.au/>

Supplier engagement and communication actions :

- Promote project opportunities through industry associations
- Conduct supplier information briefings on project opportunities and bid processes
- Issue media releases or ASX announcements on project developments and opportunities
- Community Liaison

Building Australian industry capability

Supplier capability development actions:

- Provide market intelligence to suppliers
- Transfer new product and process technology to suppliers
- Encourage joint ventures and alliances between suppliers
- Support supplier development initiatives of industry associations or governments

Global supply chain integration actions:

- Introduce suppliers to global supply chain partners
- Facilitate strategic partnering and joint ventures between Australian and international suppliers
- Recommend suppliers undertake export readiness training or international accreditation
- Provide references for high performing suppliers

Feedback process for unsuccessful bidders:

If an Australian entity is not shortlisted to participate in a tender or has been unsuccessful in the tender, the Proponent will work with ICN to provide feedback. More specifically, the Proponent, working with ICN will: • provide information on recommended development activities to increase the unsuccessful tenderer's capabilities and capacity for future tender processes, including referral to support programs; and • provide general feedback on the strengths and weaknesses of tenders, suggestions for improving the quality of submissions and how to improve competitiveness for future opportunities. In addition, the Project's procurement entities will be contractually required to offer feedback to unsuccessful Australian tenderers, which will include recommendations of relevant training, skills, capability and capacity development where relevant.

Australian Industry Participation Plan Summary - Operations Phase

Nominated facility operator: FORTESCUE FUTURE INDUSTRIES PTY LTD

Facility details

Name: Tasmania Green Hydrogen One (gH1) Project

Location: Bell Bay, Tasmania

Type: Other productive facility

Key goods and services

Indicative list of key goods and services to be acquired for the new facility:

Key goods and services	Opportunities for Australian entities*	Opportunities for non-Australian entities	Explanation for no opportunities for Australian entities
Waste Management Services	Yes	Yes	
Fire System	Yes	Yes	
water treatment chemical supply	Yes	Yes	
Pump Repair Services	Yes	Yes	
Rotating Equipment Repair Services	Yes	Yes	
Valve Repair Services	Yes	Yes	
Technology Supplier Services	Yes	Yes	
Scaffolding Services	Yes	Yes	
Cranes (Fixed, Gantry, HE, Mobile) Services	Yes	Yes	
Offsite Mechanical Repair Services	Yes	Yes	
Control System Integrator	Yes	Yes	
Classified Plant	Yes	Yes	
Hire Equipment	Yes	Yes	
Aircon Servicing	Yes	Yes	
Non-Process Infrastructure (workshop, warehouse and gatehouse)	Yes	Yes	
Security Services	Yes	Yes	
Specialist Engineering Services (RBI Inspections, EEHA Inspections, etc)	Yes	Yes	
Instrument Calibration Services	Yes	Yes	
Painting Services	Yes	Yes	
Industrial Insulation Services	Yes	Yes	
Electrolyser (Spares)	Yes	Yes	
Ammonia (Spares)	Yes	Yes	
ASU (Spares)	Yes	Yes	
Balance of Plant (Spares)	Yes	Yes	
fuel supply	Yes	Yes	

*An Australian entity is an entity with an ABN or ACN

Facility standards:

Australian
International

Supplier information and communication

Facility operator's contact person for supplier enquiries:

Contact person name Ray Loh
Contact person position Manager, ICNWA
Phone number 0893657499
E-mail Ray.Loh@icnwa.org.au

Facility operator website: <https://www.fmgl.com.au/about-fortescue/our-operations> and <http://gateway.icn.org.au/>

Facility opportunities website: <http://gateway.icn.org.au/>

Supplier engagement and communication actions :

- Promote project opportunities through industry associations
- Conduct supplier information briefings on project opportunities and bid processes
- Issue media releases or ASX announcements on project developments and opportunities
- Directly contact suppliers with information on project opportunities and bid processes

Building Australian industry capability

Supplier capability development actions:

- Provide market intelligence to suppliers
- Transfer new product and process technology to suppliers
- Encourage joint ventures and alliances between suppliers
- Pre-qualification Advice

Global supply chain integration actions:

- Introduce suppliers to global supply chain partners
- Facilitate strategic partnering and joint ventures between Australian and international suppliers
- Provide references for high performing suppliers

Feedback process for unsuccessful bidders:

The Operator, working with ICN, will offer written feedback with advice that a bid was not successful. In particular, the Operator, working with ICN, will do the following with respect to such feedback: • provide information on recommended development activities to increase their capabilities and capacity on future operational opportunities, which may include participation in government funded programs such as the Entrepreneurs' Programme, to access expert consultations to assess the unsuccessful bidder's business and identify specific areas of improvement. The Programme will then work with the unsuccessful bidder to find simple, smart and effective ways to address the shortfalls identified in the Facility's pre-qualification/tendering process and achieve their business goals. • encourage adoption of Australian Standards requirements for OH&S, quality and environmental qualifications. Where required, provide general feedback on the strengths and weaknesses of bids, suggestions for improving the quality of submissions and how to improve competitiveness for future opportunities. In addition, the Project's procurement entities will be contractually required to offer feedback to unsuccessful Australian tenderers, which will include recommendations of relevant training, skills, capability and capacity development where relevant.