



# Central Queensland Hydrogen Project

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**Iwatani**

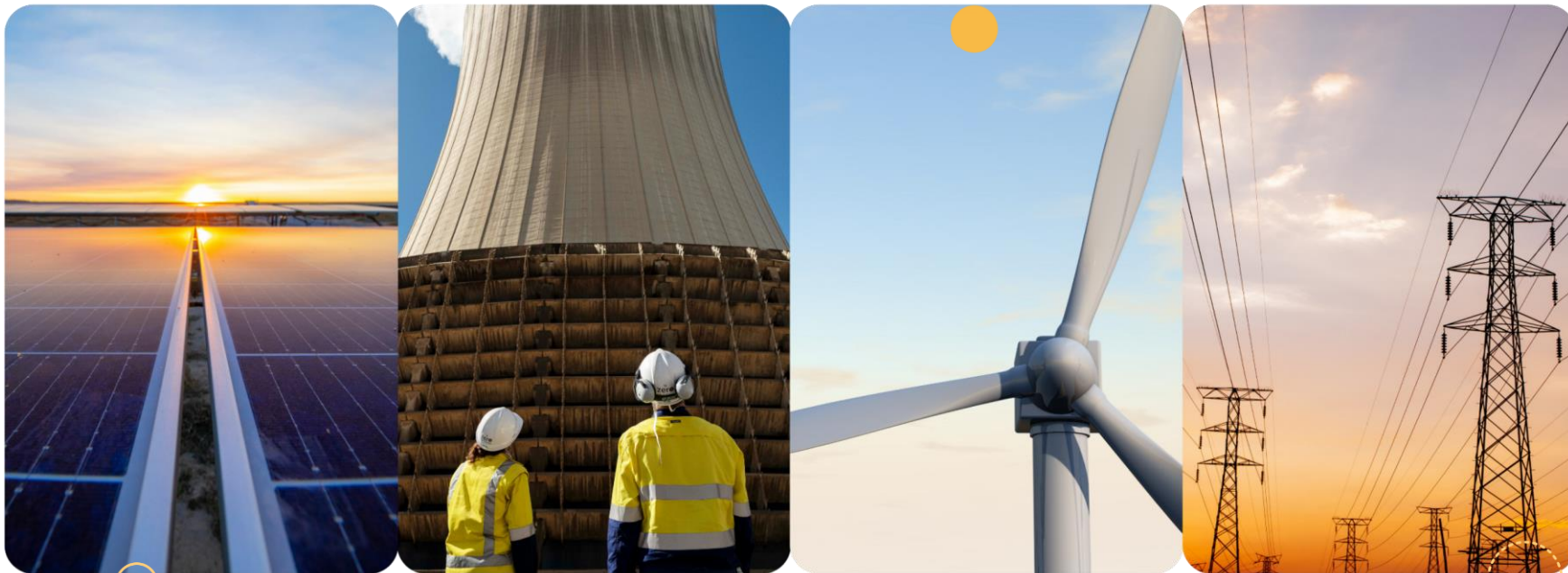
**apa**

**Marubeni**

 **Kawasaki**

 **Kansai Electric Power**  
*power with heart*

## About Stanwell



## Consortium: strategic partnerships across the supply chain

The consortium members have a unique mix of competitive advantages to harness the commercial and strategic potential of this opportunity. An MOU was executed between the parties in mid- September 2021.



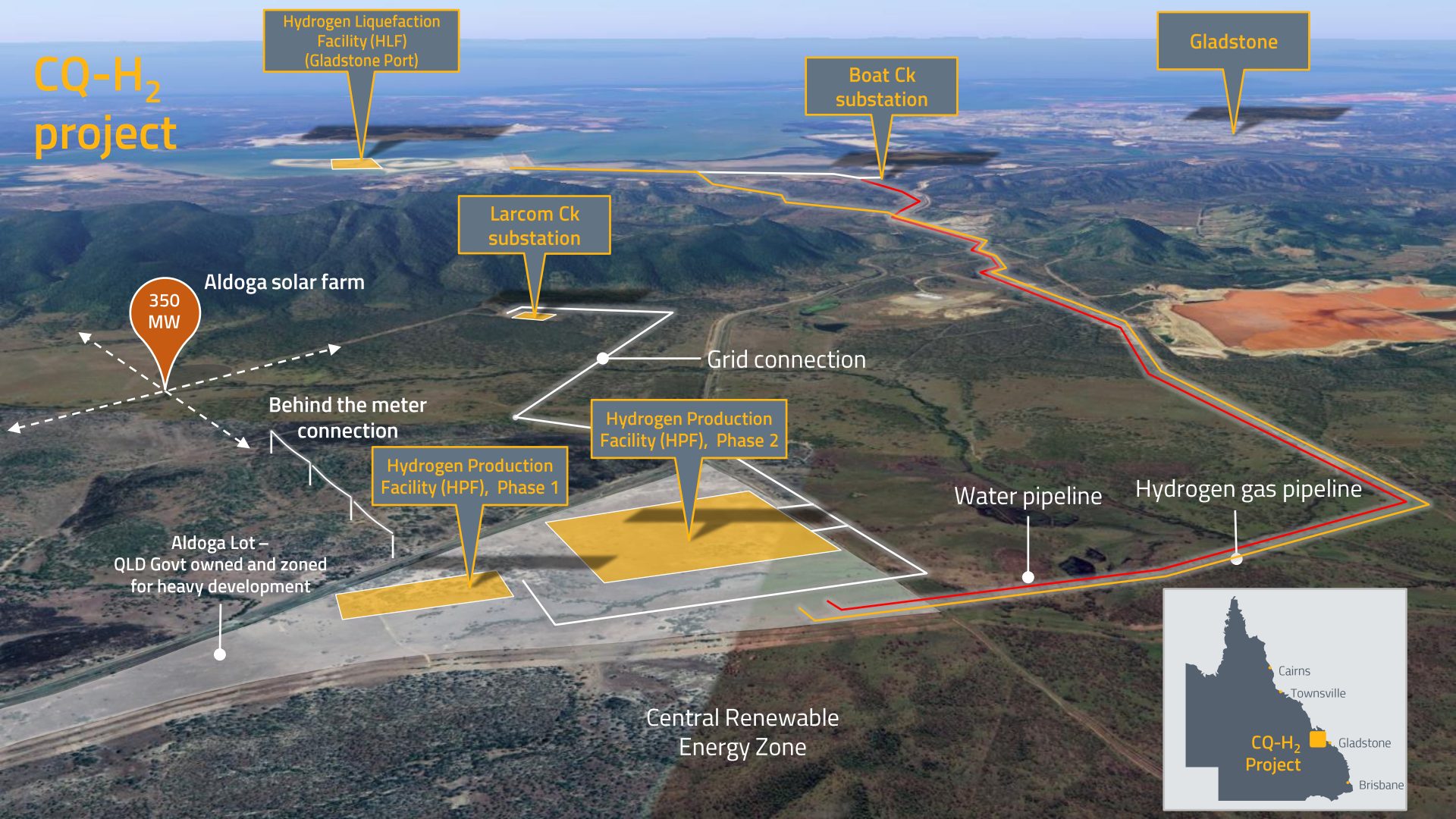








# CQ-H<sub>2</sub> project



# Project objectives

Hydrogen industry participation



Pathway to net zero carbon emissions



Central Queensland as a renewable hydrogen hub



High quality jobs



Local manufacturing opportunities



Integrated supply chain between CQ and Japan



Target hydrogen pricing set by off-takers



# Scale of the opportunity in context

Phase 1  
2026

Phase 1+2  
2031

Phase 1+2+3  
2031+

2030  
Japan Target\*



3  
million  
tpa



~35,000 tpa

~350,000 tpa

~600,000-800,000 tpa

~300 MW

~3,000 MW

~6,500-8,000 MW



1,080 MW

9,000 MW

~20,000 MW

Proposed CQ-H<sub>2</sub>  
consortium project

Theoretical maximum based on Fitzroy  
and Isaac REZ capacity in 2020 ISP

2050  
Global H<sub>2</sub> Demand  
**90-300 million tpa**

\*Japanese 2030 target for green hydrogen and ammonia



# Renewable hydrogen production facility



Project location within Gladstone SDA

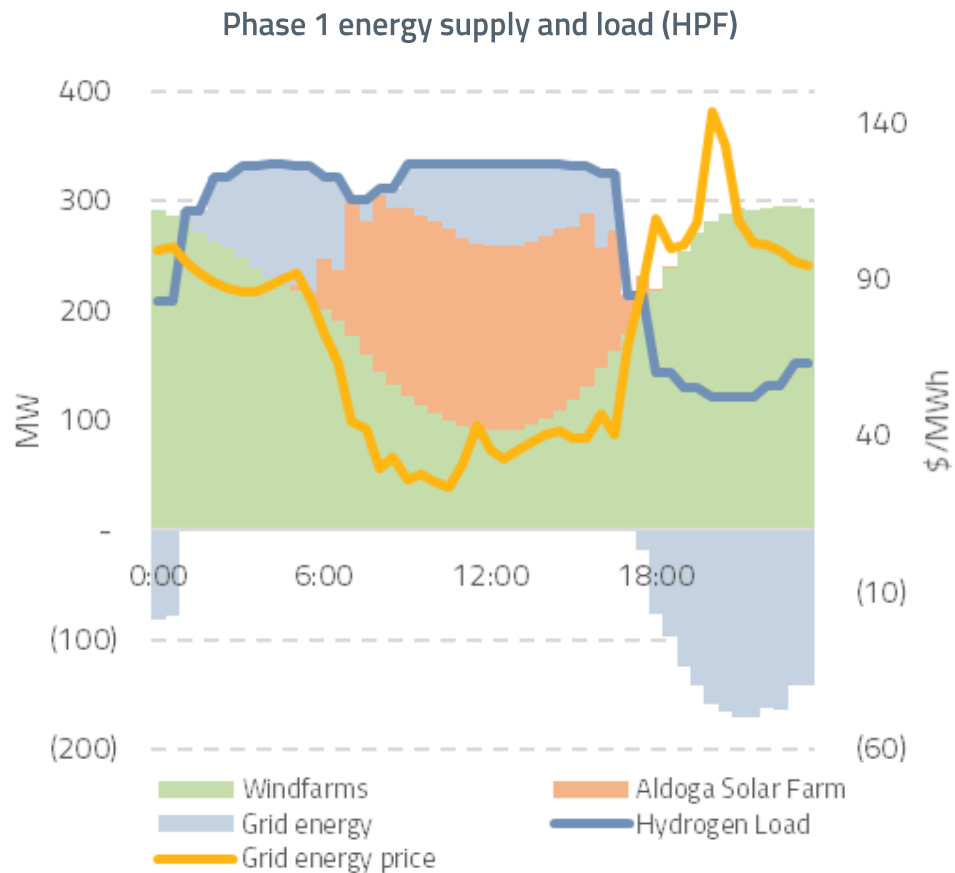


## Location and land for hydrogen production



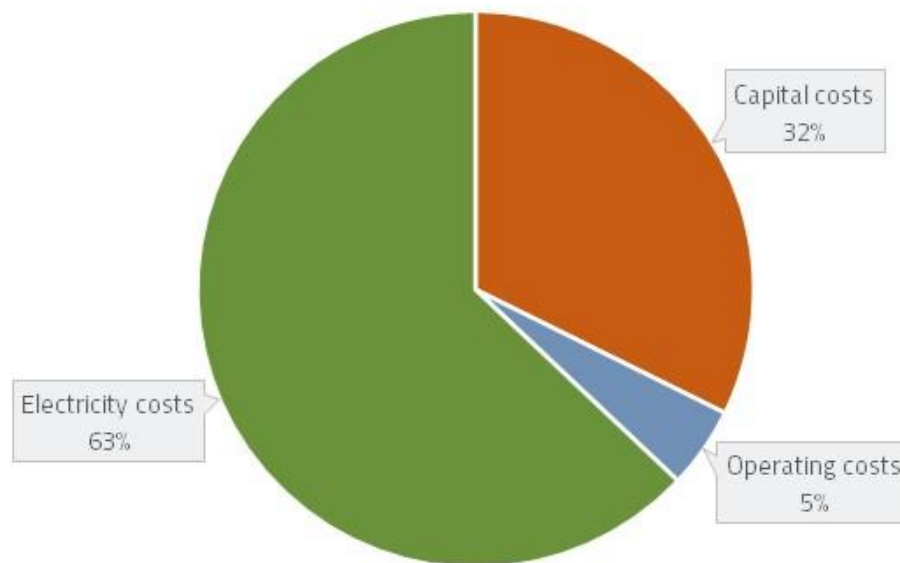


## Energy supply



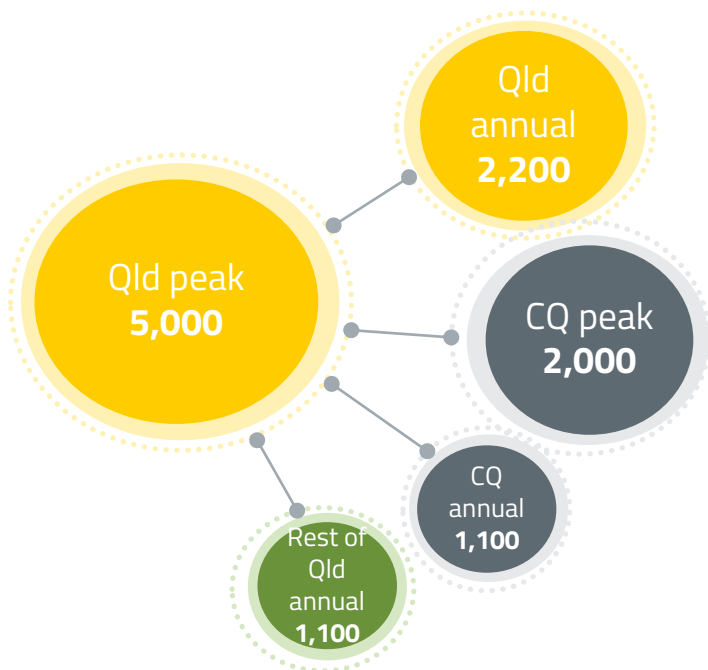
## Project economics

Levelised cost of hydrogen - cost drivers  
Phase 1, Hydrogen production



## The hydrogen opportunity

### Employment impacts, FTEs



### Total economic impacts

**\$7.9b**

Additional Central  
Queensland GRP

**\$4.2b**

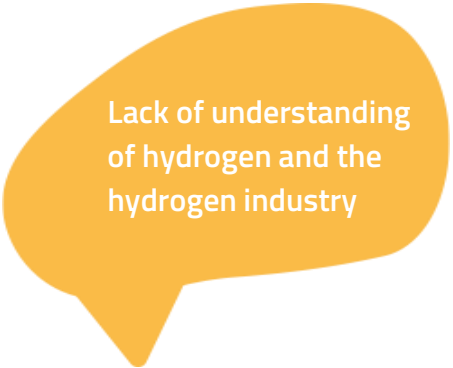
Total value of  
hydrogen exports

**\$10b**

Additional  
Queensland GSP



## Stakeholder consultation: Common themes




Lack of understanding  
of hydrogen and the  
hydrogen industry



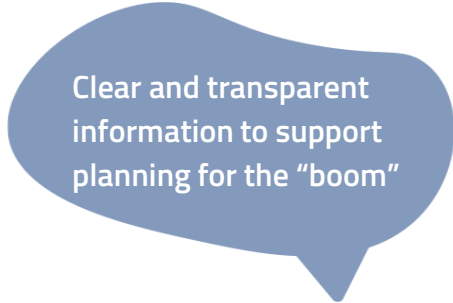
Previous  
experience  
influencing  
perceptions &  
expectations




One industry rather than  
individual projects



Need to create  
social benefit  
for Gladstone



Clear and transparent  
information to support  
planning for the "boom"



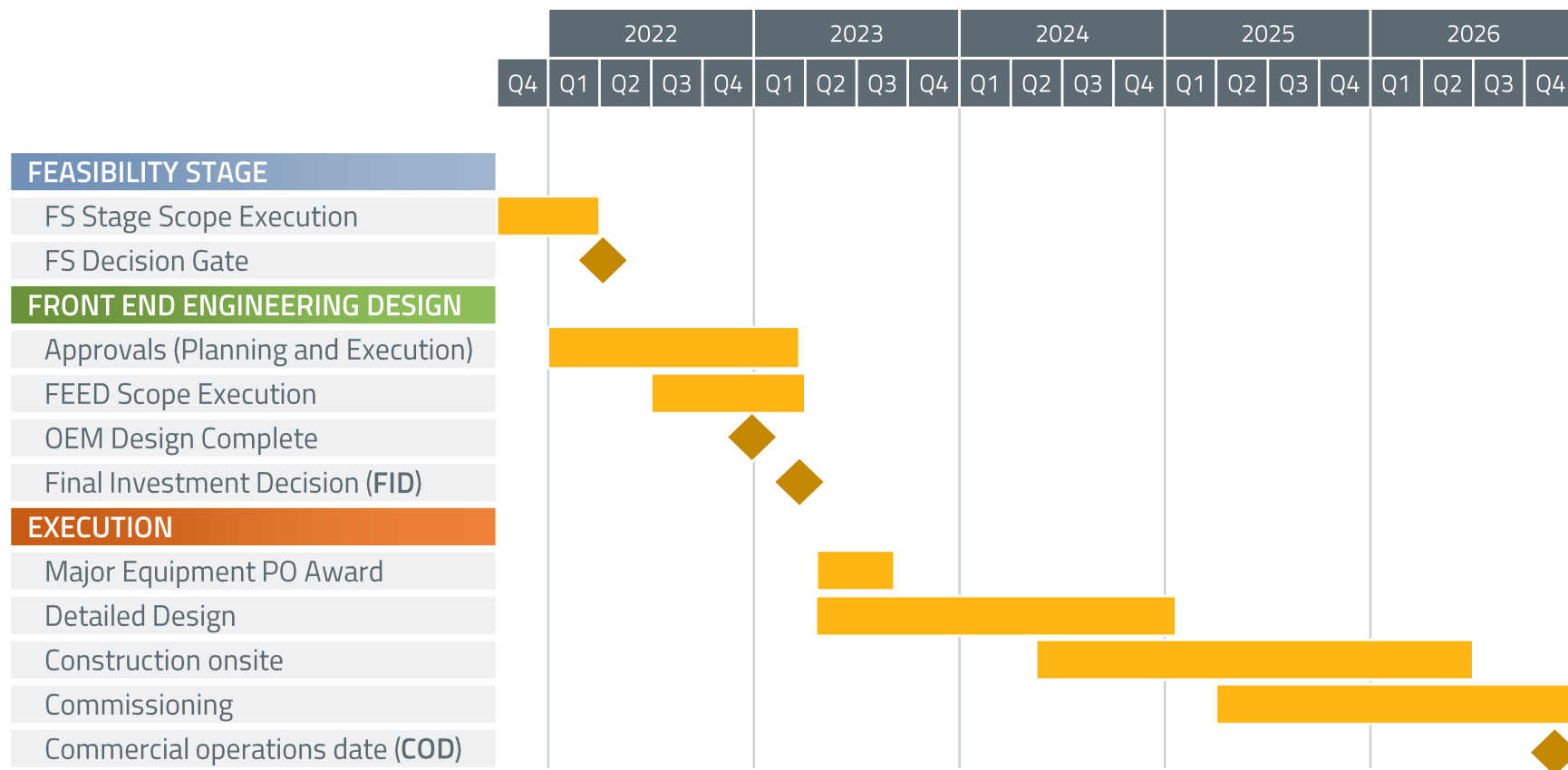
Little understanding of  
scale of proposed H<sub>2</sub>  
development



Comparing to  
LNG



# Critical project milestones



# The bigger picture: building a CQ hydrogen hub

