

An aerial photograph of an industrial hydrogen production facility. The site features several large, light-colored storage containers or trailers, a central processing unit with multiple tanks, and a network of pipes and metal structures. Several workers in high-visibility vests and hard hats are visible, some operating machinery. The ground is a mix of gravel and green safety matting. In the background, there are more industrial buildings and a fenced-in area.

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Learning Lessons from the North West Shelf to Support the Delivery of Excellence for Australian Hydrogen Projects

Thomas Jackson & Nigel Hough | APGA Convention 2023

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LNG jobs increase dramatically, but not in Gladstone
UPDATE 3-Santos LNG project cost blows out to \$18.5 bln

Environmental job cuts risk a repeat of Gladstone failures
Dwindling gas supplies put Australian LNG industry at risk

LNG projects' profit 'relief' not enough to outweigh challenges

REVEALED: Exactly when the LNG boom ran out of gas
Beyond the pipelines: gas goes global through LNG, but not without risk

An analysis of the economic impacts of commodity prices or employment

Arrow Energy's Gladstone LNG Plant
Gas crash blows hole in budgets

Santos slumps on LNG cost blow-out

LNG slump, cost cutting spur rare output curb at Australian plant

Queensland's boom-time LNG scheme faces today's harsh reality
Planned Australian LNG projects threatened by energy price crash

A crash in gas use is more likely than the forecast 'shortage'

Local residents get raw LNG deal if Arrow goes ahead

Origin reveals \$1.65b cost increase on APLNG project
Pain and gain as gas export boom is set to drive up domestic bills

Gas supply fears for Curtis Island LNG plants, new report finds

What is Gladstone's LNG development doing to the environment?

Queensland Gas says Curtis LNG cost could rise by up to 75% if second train is added.

Arrow's own analysis of planned Gladstone LNG plant shows 1,600 jobs could be lost



Published by Woodside Petroleum, July 2004

What's required to get a hydrogen project approved?

Is there a common reason for poor cost and schedule performance in the delivery of Australian hydrogen projects?

Is the industry '*ironing out the wrinkles*' or still overcoming major technical challenges of novel hydrogen technologies?

Are we doing our part in sharing lessons from these early hydrogen projects to support the safe scale up of the industry?

Key Takeaways

Projects need secure
offtake

Front-end loading and
project execution
planning are essential

Bring the right
capabilities into the
project team early

Rethink the OEMs'
roles in the project,
just "supply" is not
working

Challenge the
purchaser's stake in the
commercial structure
of the project

Let's get better at
sharing and learning
lessons

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