



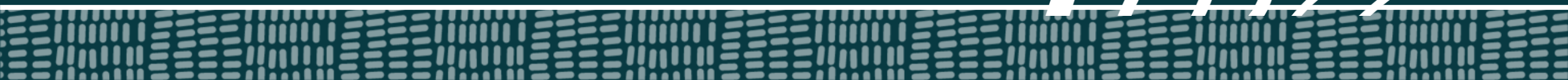
Australian Government

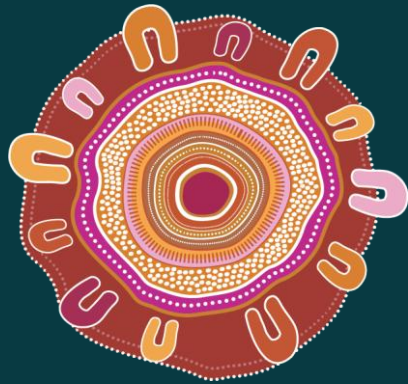
Department of Climate Change, Energy,  
the Environment and Water

# Hydrogen in Australia

World Hydrogen Energy Summit -

Sanjiva de Silva, Counsellor Energy & Resources,  
Government of Australia  
New Delhi





## Acknowledgement of Country

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters, and culture. We pay our respects to Elders past and present.

# Australia's Climate Change Framework



“Australia is ... committing to reduce greenhouse gas emissions 43% below 2005 levels by 2030.”

“Australia also reaffirms its target to achieve net zero emissions by 2050.”

# Australia's Climate Change Framework

## Powering Australia Plan

- **\$20 billion Rewiring the Nation** to upgrade and expansion of Australia's electricity grid
- **\$1.9 billion Powering the Regions Fund** to ensure traditional and new industries in regional Australia can harness decarbonisation opportunities.
- **Safeguard Mechanism Reforms.**

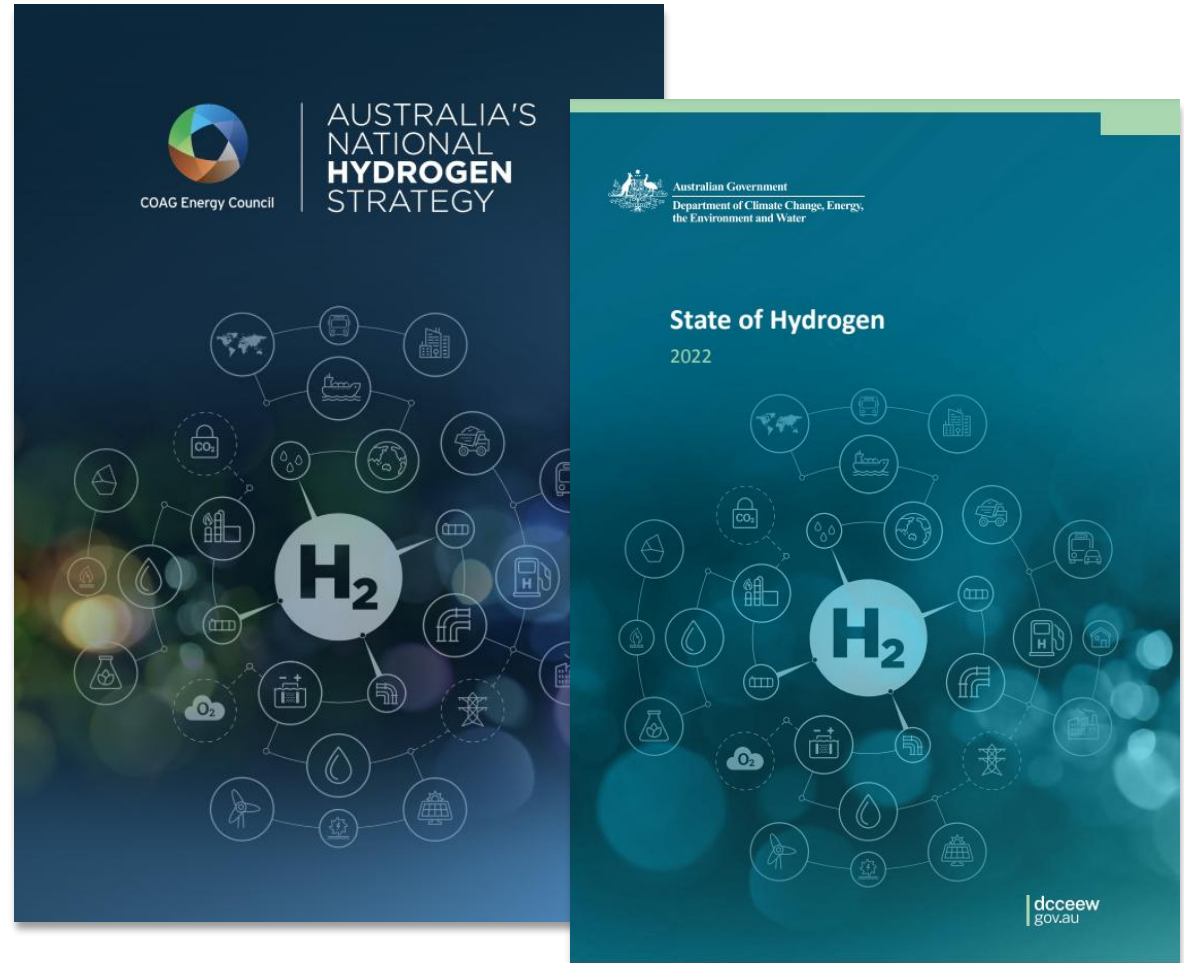
## Net Zero Authority

- Support **workers** in emissions-intensive sectors to access new employment, skills and support as the net zero transformation continues.
- Coordinate programs and policies across government to support **regions and communities.**
- Help **investors** and **companies** to engage with net zero transformation opportunities.

# Australian Hydrogen Strategy

“Australia is well placed to play a significant role in the global hydrogen industry...”

"Australia has the resources, and the experience, to take advantage of increasing global momentum for clean hydrogen and make it our next energy export..."



# Growing Australia's Hydrogen Industry



## Hydrogen Headstart Program

- \$2B in funding announced in Federal Budget 2023/24
- Competitive hydrogen production contracts to support renewable hydrogen



## Hydrogen Hubs Initiative

- \$5.6M to support further work on leveraging competitive strengths
- Gladstone, Townsville, the Pilbara, the Hunter and Bell Bay

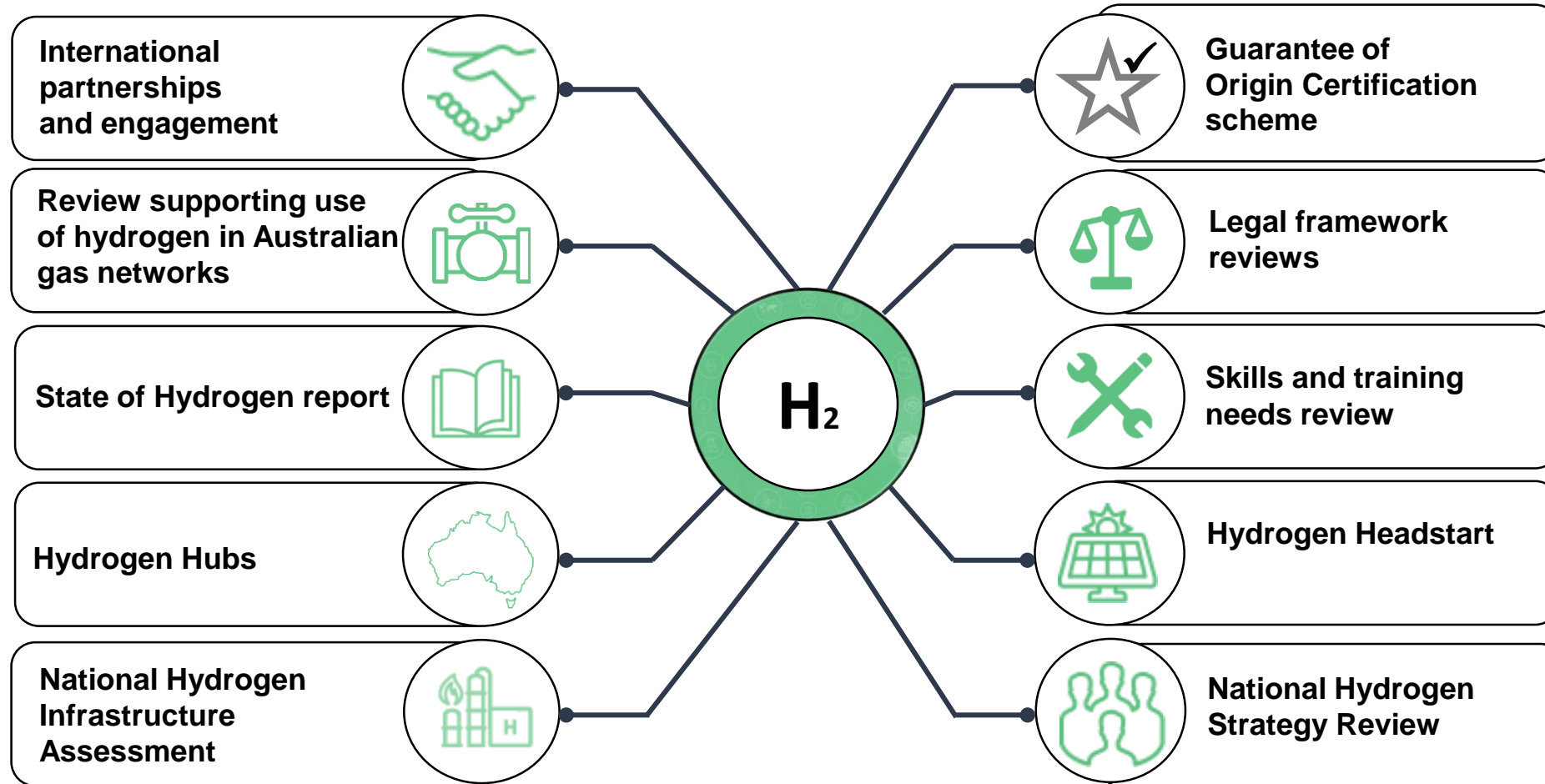


## Guarantee of Origin Scheme

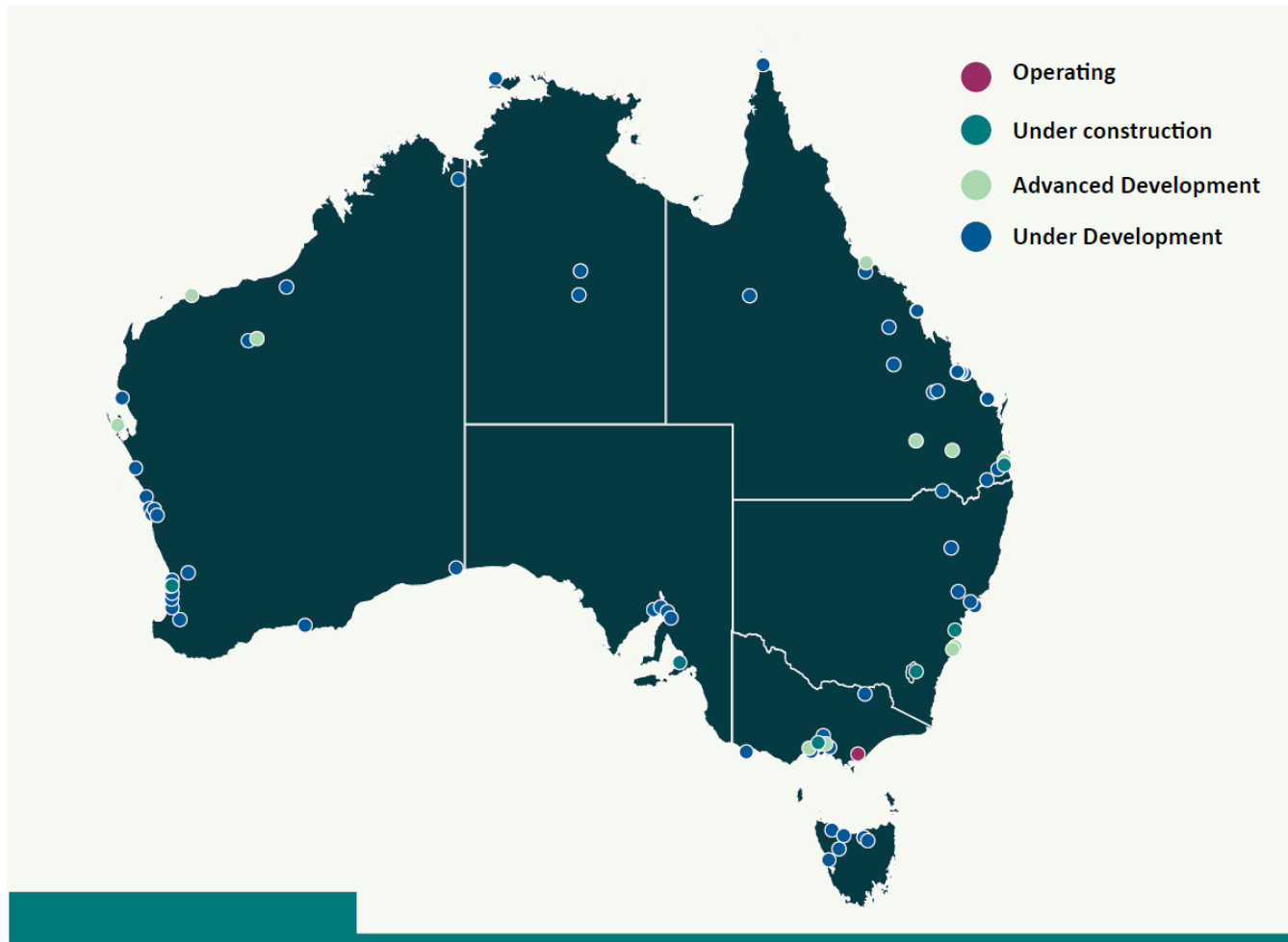
- \$38.2M in new funding will commence with certifying clean hydrogen
- Will provide transparency to industry on emissions and energy source used



# Australian Hydrogen Initiatives




# Australia's Hydrogen Projects




- 100+ announced clean hydrogen and hydrogen derivative projects in Australia
- 15+ projects reached final investment decision
- \$230B - \$300B investment pipeline




# International Collaborations - Hydrogen

**Japan** 

- Australia-Japan Partnership on Decarbonisation through Technology
- Australia-Japan Joint Statement of Cooperation on Hydrogen and Fuel Cells

**Republic of Korea** 

- Australia-Republic of Korea Low and Zero Emissions Technology Partnership
- Technical exchange of low-emission technologies

**Singapore** 


- Australia-Singapore MOU on Low Emissions Solutions
- Australia-Singapore Green Economy Agreement

**United Kingdom** 


- Australia-UK Clean Technology Partnership
- Information exchange on policy, legal and regulatory frameworks and best practice

**United States** 

- Australia-United States Net Zero Technology Acceleration Partnership
- Cement decarbonisation (collaboration with CEM and GCCA)

**India** 

- Letter of Intent on New and Renewable Energy Technology
- Australia-India Green Hydrogen Taskforce

**Germany** 

- Australia-Germany Hydrogen Accord
- Cooperation on demonstration projects in hydrogen hubs

**Netherlands** 

- Netherlands Memorandum of Understanding on Cooperation in the Field of Hydrogen
- Knowledge exchange on policy, certification and innovative technologies