



The Australian Hydrogen Landscape

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Welcome to Country

We acknowledge the traditional custodians of the land on which we gather today. We pay our respects to their elders, both past and present, and extend that respect to emerging leaders.

We recognise and honour the significant role of First Nations Australians in our journey towards a cleaner energy future. We recognise their participation and leadership are essential for Australia to become a renewable energy superpower.



Current state of Hydrogen in Australia

Australia has committed to reducing emissions by 43 percent below 2005 levels by 2030 and to reach net zero emissions by 2050.

The key commitments in Hydrogen:

- 100+ announced hydrogen projects in Australia
- AUD225 billion combined investment pipeline
- 15+ projects reached final investment decision
- National Hydrogen Strategy
 - Domestic decarbonisation
 - International development
- Hydrogen Headstart
- Hydrogen Hubs
- Guarantee of Origin



Use cases for Hydrogen in Australia

Renewable hydrogen is likely to be utilised in the following sectors in Australia as an opportunity to reduce emissions in heavy industry:

- Chemical feedstock - green ammonia
- Grid firming
- Export opportunities
- Critical mineral and metals processing - green iron
- Sustainable Aviation Fuel



Investment in Australia

Australia stands as a reliable trading and investment partner, ranking as the world's 12th-largest economy. The Albanese Government's proactive stance on climate change aligns the nation with global standards, enhancing its appeal for renewable energy investments. With abundant critical minerals, as well as thriving wind, hydrogen, and solar industries, Australia is poised to lead the global transition towards clean energy. Additionally, Australia maintains strong trade and investment relations with rapidly growing economies, establishing itself as a pivotal gateway for international business, particularly in the dynamic Asia-Pacific region.

The opportunities

- Research and Development
- Infrastructure projects
- Commercial-scale hydrogen facilities



The Australia-Austria Strategic Co-operation Agreement

The Australia – Austria Industrial Decarbonisation Demonstration Partnerships Program will provide funding of over AUD\$20 million (€12 million) (AUD\$12m Australia/€7m Austria) to support collaborative demonstration or pilot/test projects between Australia and Austria and strengthen connections between Australian and Austrian industry.

The opportunities

- The Program will advance the development and deployment of innovative technologies, processes, or solutions to decarbonise energy-intensive hard-to-abate industries.
- It will support progress toward the goals of the Net Zero Industries Mission and scope includes technology pathways identified as priorities by the NZIM, specifically: fuel switching through alternative fuels and feedstocks; fuel switching through use of clean hydrogen; electrification of production and processes; digitalisation & flexibilisation; carbon capture & utilisation or storage; alternative materials and more efficient processes.



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