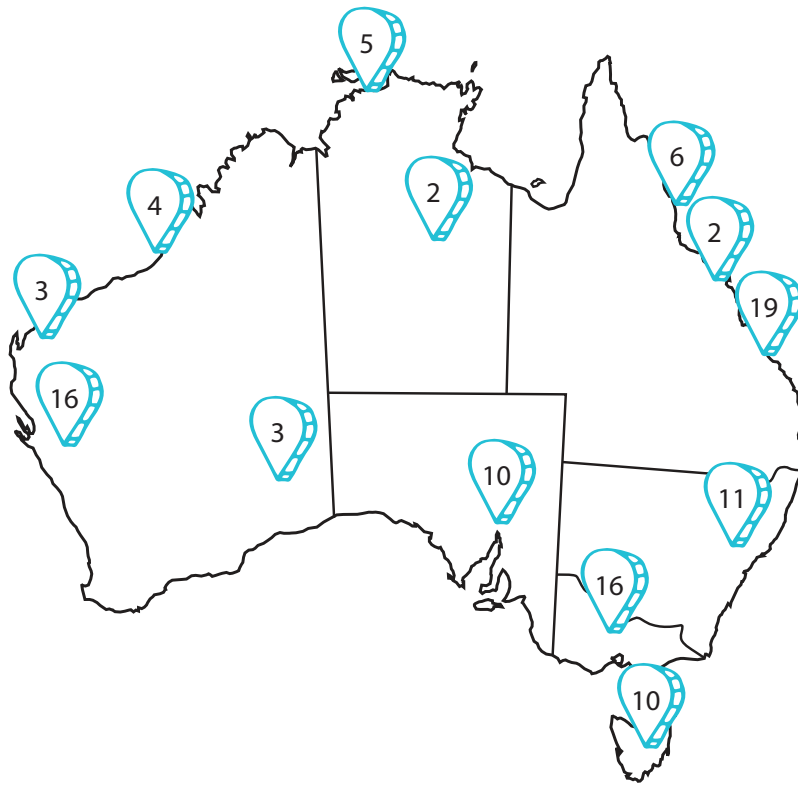


THE ANZ HYDROGEN HANDBOOK VOL II

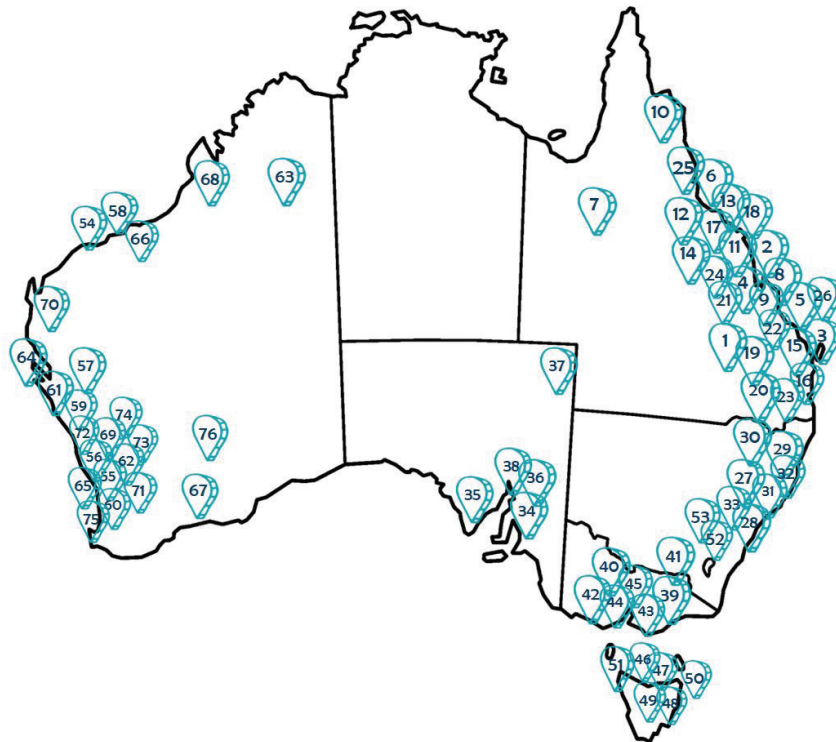
# AUSTRALIAN HYDROGEN PROJECTS

# AUSTRALIAN HYDROGEN PROJECT MAP



**2023**  
107 projects

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**2021**  
76 projects

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# QUEENSLAND

	Project name	Key Parties	Type of project	Location
#	QLD			
1	Bio-Hydrogen Demonstration Plant	Southern Oil Refining Pty Ltd	Hydrogen from Waste Gases	Yarwun
2	Central Queensland Hydrogen Project	Stanwell Corporation Ltd, Iwatani Corporation, Kawasaki Heavy Industries, Marubeni Corporation, Kansai Electric Power Company, APA Group	Hydrogen	Rockhampton
3	Daintree Microgrid Project	Daintree Renewable Energy Pty Ltd	Hydrogen Storage, Solar Battery	Daintree Rainforest
4	Edify Green Hydrogen Project	Edify Energy	Hydrogen	Townsville
5	Emerald Coaches Green Hydrogen Mobility Project	Emerald Coaches	Hydrogen Mobility	Emerald
6	Gibson Island Green Ammonia Feasibility	Fortescue Future Industries, Incitec Pivot Ltd	Hydrogen, Green Ammonia	Gibson Island
7	Glencore Surat Hydrogen Project	Glencore	Hydrogen CCS	Wandoan
8	Goondiwindi Hydrogen	Goondiwindi Regional Council, The Hydrogen Collective	Hydrogen Waste Water Treatment	Goondiwindi
9	Green Hydrogen Export Project	Origin Energy, Kawasaki	Green hydrogen	Townsville
10	Green Methanol Feasibility Study	Cement Australia (a Holcim and Heidelberg Materials joint venture), Mitsubishi Gas Chemical Company	Hydrogen, Methanol	Gladstone
11	Renewable Hydrogen Production and Refuelling Project	BOC Limited, ITM Power Pty Ltd, Hyundai Motor Company Australia Pty Ltd	Green Hydrogen, Refuelling Station	Pinkenba
12	H2U Hub Gladstone	H2U	Hydrogen, Ammonia	Gladstone
13	Han-Ho H2 Hub – Feasibility Study	Ark Energy Corporation Pty Ltd	Green Hydrogen, Ammonia	Collinsville
14	Hay Point Hydrogen Project	Dalrymple Bay Infrastructure Ltd, North Queensland Bulk Ports Corporation, Brookfield Group, ITOCHU Corporation	Hydrogen Production, Hydrogen Storage	Hay Point
15	Hydrogen Hubs Powering Remote Communities (H2H)	Ergon Energy Corporation Ltd	Green Hydrogen	North Queensland
16	Hydrogen Mobility Project	Aurizon	Hydrogen Refuelling Station	Townsville
17	Hydrogen Park Gladstone	AGIG	Green Hydrogen	Gladstone
18	Hydrogen Powered Trains Feasibility Study	Aurizon, Anglo American	Hydrogen Fuel Cell	Central & Northern Queensland

	Project name	Key Parties	Type of project	Location
19	Brigalow Peaking Power Plant	Queensland Government (CS Energy as development lead)	Hydrogen, Natural Gas	Chinchilla
20	Kogan Creek Renewable Hydrogen Demonstration Plant	CS Energy	Green Hydrogen, Solar Battery	Chinchilla
21	Origin and ENEOS	Origin Energy, ENEOS	Green Hydrogen	Gladstone
22	Pacific Solar Hydrogen Project	Austrom Hydrogen	Green Hydrogen, Solar Battery	Port of Gladstone
23	Sir Samuel Griffith Centre	Griffith University	Green Hydrogen, Solar Battery	Brisbane
24	Sumitomo Green Hydrogen Production Plant	Sumitomo Corporation, JGC Group	Green Hydrogen	Gladstone
25	SunHQ Hydrogen Park	Ark Energy Corporation	Hydrogen Mobility	Townsville
26	Swanbank Clean Energy Hub	CleanCo	Hydrogen	Swanbank
27	Transdev Mobility Trial	Transdev Queensland	Hydrogen Fuel Cell	Brisbane

Source: CSIRO - HyResource

## NEW SOUTH WALES & SOUTH AUSTRALIA

	Project name	Key Parties	Type of project	Location
#	NSW			
28	Good Earth Green Hydrogen and Ammonia Project	Hiringa Energy (Operator), Sundown Pastoral Company	Green Hydrogen, Ammonia	Moree
29	Hunter Energy Hub	AGL Energy, Fortescue Future Industries	Green Hydrogen, Ammonia	Hunter Valley
30	Hunter Hydrogen Hub	Origin Energy, Orica	Hydrogen	Hunter Region
31	Hyundai Integrated Hydrogen Production and Refuelling System	Hyundai Motor Company Australia	Hydrogen Storage, Refuelling Station	Sydney
32	Illawarra Hydrogen Technology Hub	BOC Limited	Hydrogen Mobility	Woollongong
33	Port Kembla Hydrogen Refuelling Facility	Coregas	Refuelling Station, Hydrogen Mobility	Port Kembla
34	ScaleH2	ATCO Australia Pty Ltd	Green Hydrogen, Ammonia	Port Kembla
35	Tallawarra B Dual Fuel Capable Gas/ Hydrogen Power Plant	Energy Australia	Electricity Generation	Illawarra Region
36	Western Sydney Green Gas Project	Jemena	Hydrogen Gas, Grid Generation	Horsley Park
#	SA			
37	Cape Hardy Green Hydrogen Project	Amp Energy, Iron Road Ltd	Hydrogen, Ammonia	Cape Hardy

	Project name	Key Parties	Type of project	Location
38	entX and Kimberly-Clark – Millicent Mill Green Hydrogen Project	entX Limited and Kimberly-Clark Australia	Green Hydrogen	Millicent
39	Eyre Peninsula Gateway Project - Demonstrator Stage	Worley, Hydrogen Utility (H2U)	Green Hydrogen, Ammonia	Eyre Peninsula
40	Green Cement Decarbonisation Project	Hallett Group, Elecseed, Korea Hydro and Nuclear Power Company	Green Hydrogen	Port Augusta
41	Green Hydrogen and Battery Energy Storage System	Marubeni Corporation	Hydrogen Transportation	Adelaide
42	Hydrogen Park SA (HyP SA)	AGIG, Siemens, SA Power Networks, KPMG	Green Hydrogen, Hydrogen Mobility	Tonsley
43	Neoen-ENEOS Export Project	Neoen Australia, ENEOS Corporation	Hydrogen	Goyder Regional Area
44	Port Pirie Green Hydrogen Project	Trafigura Group Pte. Ltd	Green Hydrogen	Port Pirie
45	SM1	Vast	Green Hydrogen, Methanol	Port Augusta
46	South Australian Government Hydrogen Facility	The Office of Hydrogen Power South Australia	Hydrogen	Whyalla
47	Torrens Island Green Hydrogen Hub	AGL Energy Limited (AGL: consortium lead), Osaka Gas Australia, INPEX Corporation, Brickworks, Flinders Ports, Adbri, SK ecoplant, Spark Renewables	Green Hydrogen	Adelaide

Source: CSIRO - HyResource

## VICTORIA, TASMANIA AND AUSTRALIAN CAPITAL TERRITORY

	Project name	Key Parties	Type of project	Location
#	VIC			
48	Calix Zero Emissions Steel Technology-pre-FEED and FEED Study	Calix	Green Steel	Bacchus Marsh
49	Development of Altona Renewable Hydrogen Plant	Air Liquide Australia Solutions Pty Ltd	Hydrogen	Melbourne
50	Energys Renewable Hydrogen Production Facility	Energys Australia Pty Ltd	Green Hydrogen, Mobility	Melbourne
51	Geelong Hydrogen Hub	Geelong Port, CAC-H2	Hydrogen, Ammonia	Corio Bay
52	Geelong New Energies Service Station Project	Viva Energy Australia	Green Hydrogen, Mobility	Geelong
53	Hydrogen Energy Supply Chain	Kawasaki Heavy Industries, AGL, J-Power, Iwatani, Marubeni, Sumitomo, Shell	Brown Hydrogen, Hydrogen Export	Latrobe Valley
54	Hydrogen Fuels Australia Truganina HRS	Hydrogen Fuels Australia	Green Hydrogen, Mobility	Truganina
55	Hydrogen Park Murray Valley	AGIG, ENGIE	Green Hydrogen	Wodonga

	Project name	Key Parties	Type of project	Location
56	Portland Renewable Hydrogen Project	Countrywide Renewable Hydrogen Ltd, Glenelg Shire Council, Port of Portland	Green Hydrogen, Wind, Ammonia	Port of Portland
57	MyHome	Australian Gas Infrastructure Group (AGIG)	Hydrogen Home	Melbourne
58	Liquefied Hydrogen Supply Chain Commercial Demonstration Project	Electric Power Development Co. (J-Power), Sumitomo Corporation, Kawasaki Heavy Industries (KHI), Iwatani Corporation, INPEX Corporation	Hydrogen Export	Gippsland
59	Melbourne Hydrogen Hub	Countrywide Renewable Hydrogen Ltd, Melbourne Market Authority	Green Hydrogen, Solar	Epping
60	Portland Renewable Fuels	HAMR Energy	Hydrogen, Methanol	Portland
61	Renewable Hydrogen Hydro-Gen 1	Yarra Valley Water	Green Hydrogen, Waste	Melbourne
62	CSIRO Hydrogen Refuelling Station	CSIRO, Swinburne University of Technology	Hydrogen Mobility	Clayton
63	Toyota Ecopark Hydrogen Demonstration	Toyota Motor Corporation Australia Limited	Hydrogen Mobility	Altona
64	Warrnambool Hydrogen Mobility Project	Warrnambool Bus Lines	Hydrogen Mobility	Warrnambool
<b># TAS</b>				
65	ABEL Energy Bell Bay Powerfuels Project	ABEL Energy	Hydrogen, E-Methanol	Bell Bay
66	Fortescue Green Ammonia Plant	Fortescue Metals Group	Green Hydrogen, Ammonia	Bell Bay
67	George Town Project	LINE Hydrogen	Green Hydrogen, Mobility	George Town
68	Grange Resources Study	Grange Resources (Tasmania) Pty Ltd	Hydrogen Gas	Burnie
69	H2Tas Project	Woodside, Marubeni Corporation, IHI Corporation	Green Hydrogen, Ammonia	Bell Bay
70	HIF Carbon Neutral eFuels Manufacturing Facility	HIF Global	Green Hydrogen, eFuel	Burnie
71	Hydrogen Brighton Project	Countrywide Hydrogen Pty Ltd	Green Hydrogen, Mobility	Brighton
72	Hydrogen Launceston Project	Countrywide Hydrogen Pty Ltd, Launceston Airport	Green Hydrogen	Western Junction
73	Hydrogen Microgrid and Mobility Project	Blue Economy CRC, Metro Tasmania	Green Hydrogen, Mobility	Hobart
74	Origin Tasmanian Green Hydrogen and Ammonia Plant	Origin Energy, Mitsui O.S.K. Lines	Green Hydrogen, Ammonia	Bell Bay
75	Whaleback Energy Park	Westcoast Renewable Energy	Green Hydrogen	West Coast
<b># ACT</b>				
76	Hydrogen Test Facility - ACT Gas Network	Evoenergy, Canberra Institute of Technology	Hydrogen Gas	CIT Fischyk Campus
77	Renewable Hydrogen Refuelling Pilot	ACT Government, Neoen, ActewAGL, Hyundai, sgfleet	Refuelling Infrastructure	Canberra

Source: CSIRO - HyResource

# WESTERN AUSTRALIA & NORTHERN TERRITORY

	Project name	Key Parties	Type of project	Location
#	WA			
78	Arrowsmith Hydrogen Project	Infinite Blue Energy, Xodus Group	Green Hydrogen, Hydrogen Mobility	Dongara
79	ATCO Hydrogen Blending Project	ATCO Gas Australia Pty Ltd	Hydrogen Gas	Jandakot
80	Australian Renewable Energy Hub	BP (Operator), Intercontinental Energy, CWP Global, and Macquarie Capital and Macquarie's Green Investment Group	Green Hydrogen, Export	Pilbara
81	Boolathana Project	Gascoyne Green Energy	Hydrogen, Ammonia	Gascoyne region
82	Bristol Springs Solar Hydrogen Project	Frontier Energy Ltd	Green Hydrogen	Bristol Springs
83	Christmas Creek Renewable Hydrogen Mobility Project	Fortescue, Hyzon	Hydrogen Mobility	Christmas Creek
84	Clean Energy Innovation Hub	ATCO Australia Pty Ltd	Green Hydrogen, Microgrid	Jandakot
85	Collie Battery and Hydrogen Industrial Hub Project	Sunshot Industries	Hydrogen	Collie
86	Denham Hydrogen Demonstration Plant (WA)	Horizon Power	Hydrogen, Microgrid	Denham
87	Early Production System: MEG-HP1	Infinite Green Energy Ltd, Samsung C&T, Doral Group	Hydrogen Mobility	Northam
88	East Kimberley Clean Energy Project	Aboriginal Clean Energy Partnership (Balanggarra Ventures Limited, MG Corporation, Kimberley Land Council, Pollination)	Green Hydrogen, Ammonia	East Kimberley
89	Geraldton Export-Scale Renewables Investment	BP	Green Hydrogen, Ammonia	Geraldton
90	Kwinana Clean Fuels Hub	BP, Macquarie Capital	Green Hydrogen	Kwinana
91	H2Perth	Woodside Energy Ltd	Green Hydrogen, Ammonia	Perth
92	The Hazer Process; Commercial Demonstration Plant	Hazer Group Ltd	Hydrogen, Graphite	Woodman Point
93	Hydrogen Refueller Station Project	ATCO Gas Australia Pty Ltd, Fortescue Metals Group	Hydrogen Mobility	Jandakot
94	HyEnergy (Zero Carbon Hydrogen)	Province Resources, Ozexco Pty Ltd, Total Eren	Green Hydrogen	Gascoyne Region, Carnarvon
95	Joint Feasibility Study for Creation of a Supply Chain of Low Carbon Ammonia in WA	Mitsui & Co. Ltd, Japan Oil, Gas and Metals National Corporation (JOGMEC)	CCS Ammonia	Perth
96	Mid West Clean Energy Project	Pilot Energy	Green Hydrogen, CCS	Mid West WA

	Project name	Key Parties	Type of project	Location
97	Murchison Renewable Hydrogen Project	Hydrogen Renewables Australia, Copenhagen Infrastructure Partners	Green Hydrogen	Murchison
98	Parmelia Green Hydrogen Project	APA Group, Wesfarmers	Hydrogen Transport	Kwinana
99	Project Haber	Strike Energy	Hydrogen, Ammonia	Mid West
100	Western Green Energy Hub	InterContinental Energy, CWP Global, Mining Green Energy Ltd	Green Hydrogen	Dundas, Kalgoorlie-Boulder
101	YURI Project/Yara Pilbara Renewable Ammonia	ENGIE, Yara	Green Hydrogen, Ammonia	Burrup
#	NT			
102	Darwin Clean Hydrogen Hub – Market Development Study	INPEX, Santos	Green Hydrogen	Darwin
103	Darwin Green Liquid Hydrogen Export Project and Hydrogen Hub Development	Lattice Technology (Korea) Co. Ltd	Hydrogen Export	Darwin
104	Darwin H2 Hub	Total Eren Australia H2 Pty Ltd	Green Hydrogen	Darwin
105	Desert Bloom Hydrogen	Axcentium Pty Ltd trading as Aqua Aerem	Green Hydrogen	Tennant Creek
106	Green Springs Project	Climate Impact Capital Limited (CIC)	Green Hydrogen	Western Davenport
107	Tiwi H2	Provaris Energy Ltd	Hydrogen Export	Tiwi Islands

Source: CSIRO - HyResource



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