

## H2Q HYDROGEN INDUSTRY CLUSTER

H2Q is keen to connect with innovation clusters around the world to explore opportunities for collaboration and growth.

https://www.linkedin.com/groups/12406553/

# H2Q

### H2Q WHO ARE WE

H2Q Queensland Hydrogen Cluster is an industry-led hydrogen cluster focused on sustainably growing the industry ecosystem in Queensland. With the hub based in Brisbane, H2Q connects firms, the H2 start-up community, academic and research organisations, industry councils and government agencies to contribute to the hydrogen value chain. The Cluster has a strong contingent of hydrogen-focused small-to-medium enterprises that represent the entire hydrogen solutions value chain.

H2Q partners with researchers at the Queensland University of Technology, Griffith University and University of Queensland along with Australia's Cooperative Research Centres (CRCs); the Future Energy Exports CRC; Future Battery Industries CRC; RACE 2030 CRC; Blue Economy CRC; and Future Fuels CRC.

This provides insights into current research addressing the technical, social, and practical dimensions of energy transition.

### **H2Q VISION**

A thriving Hydrogen and Clean Energy sector which is delivering jobs, prosperity, and exporting solutions globally while decarbonizing our industries and communities locally.

### **H2Q MISSION**

The H2Q industry cluster exists to build Queensland and Australia's hydrogen capability, through collaboration, scale, and reputation to deliver business, investment, and export opportunities for local businesses.

H2Q will contribute to the development of the hydrogen and clean energy sector by leveraging state-of-the-art capability and building the ecosystem to enable production and adoption by industries including transport, energy, mining, and industrial processes.



### TRANSPORT

There is great potential for hydrogen to assist the transport sector transition to a zero emissions future. H2Q contributes by enabling the environmental, infrastructure and planning process necessary to stimulate industry investment in zero emission technology. Mobility Working Group

### **ENERGY PRODUCTION**

H2Q contribute by leveraging business innovation through competitive collaboration forming critical mass and supporting ecosystem to enable investment in new technology. Start-ups Working Group

### **INDUSTRY PROCESS**

About 55% of hydrogen produced globally is used for ammonia synthesis. In Queensland, Dyno Nobel is assessing the feasibility of producing ammonia from solar hydrogen as a potential commercial replacement for ammonia that is imported to site. Start-ups Working Group

### MINING

Hydrogen could displace diesel for heaviest vehicles, be used as storage to hold excess renewable energy, and as a processing element, replacing coking coal and sulphuric acid. Projects Working Group

# PARTNERS

Viridius Energy JURRA AB Plus Noran Consulting ReThink Sustainability Ethical Development Wildfire Energy HYDI QTLC HYZON Wolfe and Co Solutions NERA ARRB H2X

