

Hydrogen could be New Zealand's Green Gold

Trusted for decades for developing the highest quality fuel dispensers, PEC has partnered with world renowned Air Liquide, to make hydrogen a viable solution for the future of mobility and energy resilience in Aotearoa.

Why Air Liquide?

Experience



First hydrogen
reference site
1996

200+
H₂ stations
installed and
operating around
the world

Experience covers all operations - 350 bar, 700 bar, gas to gas, liquid to gas.

Stations are operational in the R&D centres of major Fuel Cell Vehicle manufacturers.

Over 50 Air Liquide affiliated operating refuelling stations around the world.

Australasia Region

Entered 2 station supply agreements for stations with onsite H₂ production via water electrolysis.

Stations with >1tpd average refuelling capacity.

Performance

Precise simulation of the customer's entire filling station performance.

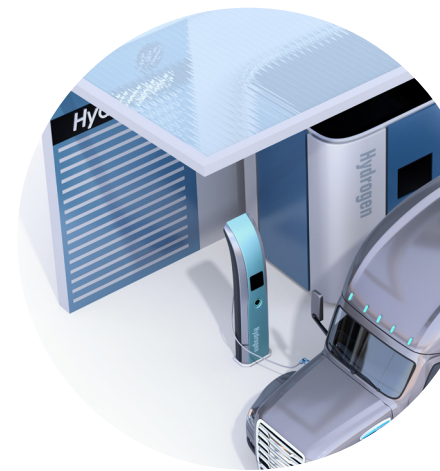
Provide a written guarantee of performance against specification and simulation as part of the supply agreement and product installation.

Refuelling Stations

Air Liquide solutions are suited for public and B2B facilities serving all mobility, transport, trains, boats, heavy vehicles and passenger cars.

A wide variety:

- Gas-to-Gas up to 4tpd
- Liquid to Gas >1tpd
- Native 350 bar and 700 bar support
- Multiple refuelling protocols









Lifespan

Air Liquide quality components offer an estimated

20 year lifetime

for a typical Hydrogen Refuelling Station

Ownership Cost

-  Longer runtime before maintenance
-  Fully automated (unmanned) options
-  Energy consumption is proportional to the station load
-  Low idle energy consumption

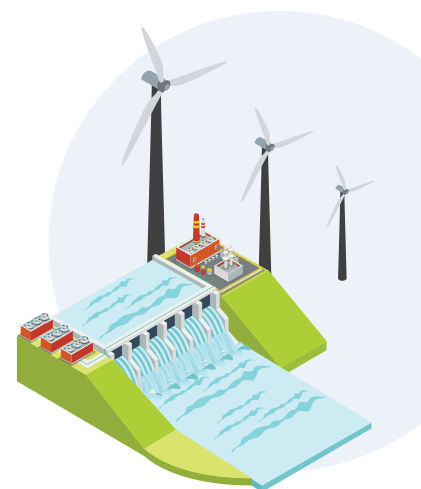
= lower cost of ownership

Air Liquide has almost 125 years of experience, 67,000 employees globally and an annual turnover equal to 14% of New Zealand's GDP.

Flexibility of H₂ sources

Air Liquide hydrogen stations are designed to be flexible and can operate in different modes and supply options, including:

- Electrolyser
- Pipeline
- Biogas Steam Methane Reformation
- Tube Trailer



This ensures the continuity of Hydrogen supply for customers at the correct pressure and temperature, when on site production may not be available.

In it for the long term

Air Liquide has huge resources to deliver, and a proven record in working with local partners to deliver sustainable solutions across the world.

Air Liquide has chosen PEC as its trusted partner to develop expertise and hold parts for scaling hydrogen refuelling in New Zealand.

Air Liquide aligns with our guiding principle to deliver the decisions and solutions now, for a future that may be generations away.