

H₂ PORT KEMBLA HYDROGEN HUB

Coregas H2Station
Hydrogen Refueller



www.portkembalahydrogenhub.com.au

AUSTRALIA'S FIRST HEAVY VEHICLE HYDROGEN REFUELLING STATION

WHEN

Coregas H2Station was officially opened on the **28 July 2023** and is now operational.

WHERE

Located at the **Coregas site** within the **BlueScope Port Kembla Steelworks**, **H2Station** is not open to the public.

HOW

The **H2Station** can supply daily up to **400kg** of fuel cell grade **hydrogen @ 350 bar pressure** for commercial vehicles.

WHY

Coregas H2Station is a **key enabler** of a range **zero emissions** trials for **heavy** and **commercial vehicle fleets** at Port Kembla.

SUPPORT

Construction of the **\$2 million Coregas H2Station refueller** has been assisted by a **\$500,000 NSW Government** grant.



KEY FEATURES – COREGAS H2STATION HYDROGEN REFUELLER

Haskel Hydrogen Systems has provided the refuelling system used at Australia's first hydrogen refuelling station for commercial vehicles. The system takes hydrogen from the Coregas plant, compresses it to the industry commercial vehicle standard of 350 bar pressure. The compressed hydrogen is then delivered to a dispenser at the vehicle fuelling station 50 metres away. The Haskel system represents the latest in refuelling technology with daily capacity to discharge 400 kilograms of fuel cell grade hydrogen.



KEY FEATURES – COREGAS HYDROGEN PLANT

Largest merchant facility in Australia producing marketable grey hydrogen in a range of certified purities for industrial, food production and scientific applications including fuel cell grade hydrogen at 99.999% purity. Plant consists of two Steam Methane Reformer trains using natural gas feedstock with on-site storage and compression facilities with daily production capacity of 2,000kg.



“Coregas is working hard to apply our expertise in hydrogen distribution, compression and storage to Australia's transition to a hydrogen economy. Transforming the transport sector is a critical piece of the puzzle, and we are delighted to partner with Haskel for the Hydrogen Refuelling facility at Port Kembla known as H2Station.”

Alan Watkins, Executive General Manager, Coregas



“Haskel has provided the hydrogen refuelling technology used at the Coregas H2Station. We are proud to be working with Coregas to support the adoption of hydrogen technology in Australia's transport sector. The H2Station represents the latest in refuelling technology, with daily capacity to discharge 400 kilograms of fuel cell grade hydrogen, it will take hydrogen from the Coregas plant and compress for dispensing into 350 bar vehicles.”

Stephen Learney, Vice President and General Manager, Haskel

HEAVY ROAD TRANSPORT TRIAL STAGES

STAGE 1



STAGE 2

- 2 X Hydrogen Powered Heavy Vehicles
- Operational by early 2024
- Total Hydrogen Used - 80kg/day

- 10 X Hydrogen Powered Heavy Vehicles
- Using an average of 40kg/day per vehicle
- Refuelling Station capacity - 400kg/day

FUTURE MOBILITY DAY EVENTS

Regular Future Mobility Day events are hosted by the Port Kembla Hydrogen Hub with representatives from across industry, business associations, research organisations and government in attendance.

Stage 1 of the Heavy Road Transport Trial will be operational by the first half of 2024. The purpose of Future Mobility Day events is to showcase zero emissions heavy vehicle technologies with a focus on fuel cell electric vehicle (FCEV) and hydrogen powered internal combustion engine (H2ICE) powertrains.

Coregas H2Station has a 400kg/day capacity. This capacity provides an opportunity for fleet operators to participate in Stage 2 of the Trial through the deployment of an additional eight heavy vehicles. These additional vehicles will complement the two Coregas prime movers that have been ordered in Stage 1. Importantly, the Stage 2 vehicles will provide greater variation in operating conditions and metrics for the Trial.



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