

**H<sub>2</sub> PORT KEMBLA  
HYDROGEN HUB**

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Heavy Road Transport Trial



# AUSTRALIA'S FIRST ZERO EMISSIONS HEAVY ROAD TRANSPORT TRIAL

## WHEN

Trial will commence during the **second half of 2023** with two **hydrogen powered heavy vehicles** that feature a **650km range** and similar **refuelling times** to equivalent diesel vehicles.

## WHERE

Vehicles will be deployed by **Coregas** as part of their NSW distribution fleet and operate between **Port Kembla** and **Sydney** averaging **400km/day**.

## HOW

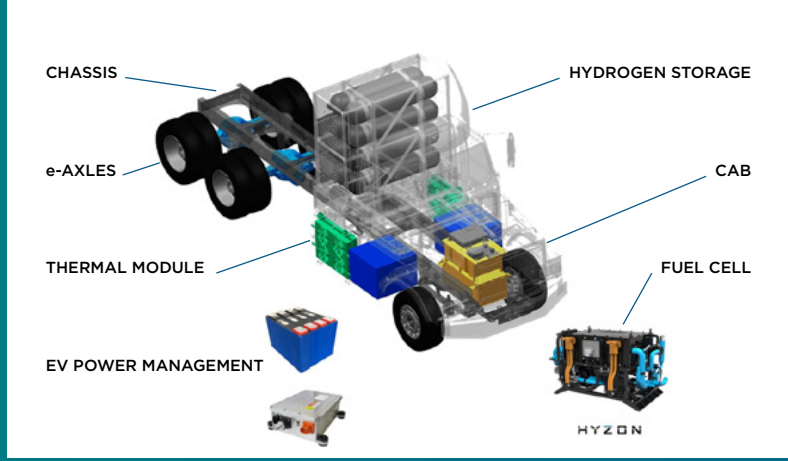
Heavy road transport is a **major carbon emitting sector**. Trial will showcase **hydrogen fuel cell technology** which is **zero emission at point of use**.

## WHY

Trial will provide important key **data/metrics** for Australian heavy road transport **fleet operators** to assist the industry transition to a **zero emissions** future.

## SUPPORT

**Key enabler** of the trial is the construction of a **\$2 million hydrogen refuelling station** at the Coregas Port Kembla site assisted by a \$500,000 **NSW Government** grant.



“ Hyzon is proud to partner with Coregas in our shared effort to decarbonise Australia’s heavy trucking industry. We are excited to be working with Coregas and their customers to deliver hydrogen fuel cell powered heavy-duty trucks. Hyzon Motors recognises the enormous benefits to local and regional communities and businesses in building a domestic sustainable hydrogen ecosystem. ”

**John Edgley, President of International Operations, Hyzon Motors**



“ 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 Hyzon to operate these vehicles out of our Hydrogen Refuelling Station in Port Kembla. ”

**Alan Watkins, Executive General Manager, Coregas**



**KEY TRIAL ENABLER – COREGAS HYDROGEN REFUELLING STATION**

Haskel Hydrogen Systems will provide the refuelling system to be used at Australia’s first hydrogen refuelling station for commercial vehicles. The system will take hydrogen from the Coregas plant, compress 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.

# HEAVY ROAD TRANSPORT TRIAL STAGES

## STAGE 1



## STAGE 2

- 2 X Hydrogen Powered Heavy Vehicles
- Operational during the second half of 2023
- Estimated total hydrogen usage - 80kg/day

- 10 X Hydrogen Powered Heavy Vehicles
- Using an average of 40kg/day per vehicle
- Estimated total hydrogen usage - 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 during the second half of 2023. 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.

The Coregas Hydrogen Refuelling Station 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.



## CONTACTS

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