



HWR HYDROGEN

Helping Heavy Transport Transition to Hydrogen

\$3 BILLION
ANNUAL REVENUE

2,700+
employees across NZ and Australia

48 COMPANIES

New Zealand's largest
PRIVATELY OWNED
transport business



6 SECTORS

Allied Petroleum
never run out

135 FUEL TANKERS

delivering more than **1.6 billion litres** of fuel annually



Tankers travel more than
12 MILLION kilometres each year

100% NZ

owned and operated

SPECIALISE
in civil, transport,
agriculture and
mining industries

LARGEST
tier 2 fuel distributor
(behind BP, Z, Mobil and Caltex)

120 FUEL STOPS
nationwide from Northland to Stewart Island



250 STAFF

In business
for more than **30 YEARS**

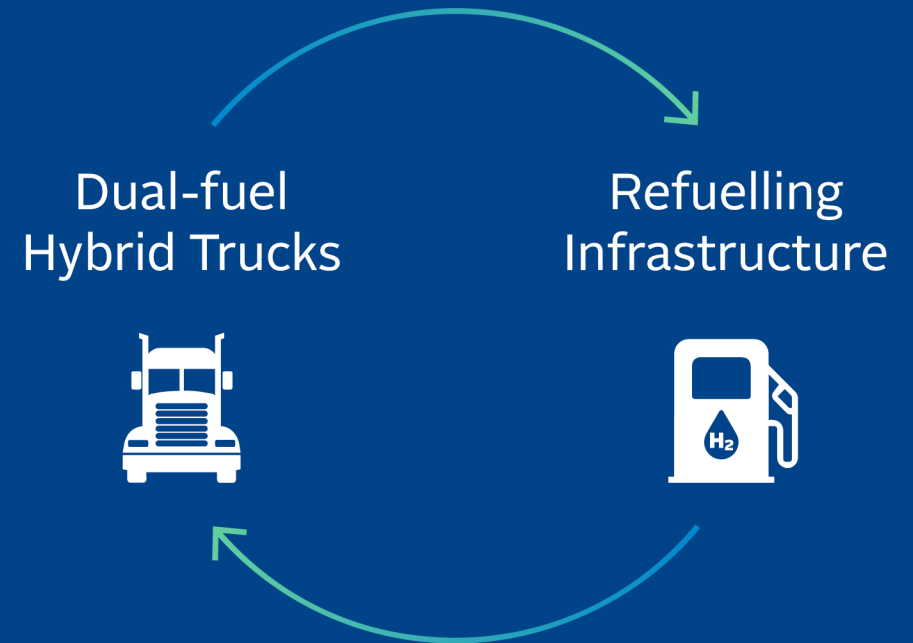
NZ's authorised
distributor for
Mobil™



HWR'S HYDROGEN PLAN.

To date we've committed over **\$15 million** exploring New Zealand owned and produced hydrogen and trialling **dual-fuel** technology.

Addressing both supply and demand.



DUAL FUEL HYBRID TRUCKS.



10 dual-fuel trucks (40% hydrogen 60% diesel mix).

From here – start to transition our existing fleet of **1300 trucks** (new and retrofitted).



1 dual fuel truck running an average of 384km per day can **eliminate 200 kg of carbon emissions per day**. Complete fleet transition would eliminate millions of KGs every year.



Through our commitments we're **reducing** our customer's supply chain footprint.

REFUELLING INFRASTRUCTURE ROLL OUT.

Upgrading and transitioning our fleet is only part of the solution. Our plan answers both the supply and demand challenge.

- Hydrogen **refuelling infrastructure** to be rolled out across existing Allied Petroleum fuel sites (120 nationwide).
- First refuelling site to open in Gore in **April 2023.**
- Purchased two 1.1 MW electrolysers and storage systems – each can generate **400kg of hydrogen per day** – enough to refuel 27 trucks, **with more to come.**
- Available and accessible for other companies to access hydrogen **across NZ** to reach their own sustainability goals.



Start trials of dual fuel.

Partnership with CMB.TECH and Fabrum.

Specialised dual fuel truck arrives in New Zealand, on-road efficiency testing begins.

First hydrogen refuelling station opens in Southland.

2020

NOW

LATE 2022

EARLY 2023

APRIL 2023

Dual fuel truck on the road.

10 dual fuel hydrogen trucks in HWR's South Island transport fleet.