

HIRINGA

The energy to change. Together.

Zero Emission Heavy Transport Solutions for New Zealand



Join us on the journey to zero emissions.

Hydrogen fuel is clean, sustainable,
safe, and cost effective.

We are bringing hydrogen fuelled heavy vehicles to New Zealand in 2021 and establishing a nationwide hydrogen refuelling network.

Hiringa Energy offers:

- Hydrogen heavy vehicles in 6x4 and 8x4 configurations up to 50MAX capable
- A nationwide green hydrogen refuelling network
- Vehicle and fuel lease packages through leasing partnerships
- Zero emission supply chain partnerships
- Sustainability for your business and our environment

Hydrogen fuel cell electric vehicles (FCEVs) have similar range, payload capabilities and refuelling times as conventional vehicles with the benefits of:

- Zero carbon emissions, reduced noise, fuel cells are 95% recyclable
- High performance - instant torque and acceleration, with no degradation
- 500-700km range available
- Refuelling in 20 minutes via Hiringa's nationwide infrastructure network
- Payload comparable to Euro 6 models
- Low maintenance - less moving parts than diesel engines
- High efficiency - up to 2-3 times more efficient than internal combustion engines



When you partner with Hiringa, we help make your transition from fossil fuels a success.

Hydrogen is ready now. Let's start using it.

Introducing a Nationwide Hydrogen Refuelling Network from 2021

Hiringa Energy is developing a hydrogen refuelling network which helps New Zealand decarbonise heavy transport and allows your business to affordably operate a fleet of zero emission vehicles.

Our network links production and refuelling hubs so vehicles can travel between cities and regions. As demand grows, additional refuelling sites will be added.

We use renewable power and biomass to produce green hydrogen - a truly sustainable, zero emissions replacement for your liquid fuels.

Refuelling your FCEV is as simple as pulling into one of Hiringa Energy's refuelling stations and filling the vehicle with hydrogen, just as you would have previously with diesel.

The refuelling time for a truck is approximately 20 minutes from empty.



NEW ZEALAND Initial Refuelling Network Plan



FCEVs are refuelled with compressed hydrogen at fuel stations, similar to diesel vehicles. Hundreds of hydrogen refuelling stations are operating safely worldwide.

Join us on the road to zero emissions.

Hiringa Energy is partnering with global fuel cell and vehicle manufacturers to bring hydrogen fuel cell technology to New Zealand.

We are here to deliver zero emission solutions, empower and support you as you transition your business into a decarbonised future.

- Fuel cell electric vehicles (FCEVs) combine air and hydrogen to make water and electricity
- FCEVs use the same drivetrains as electric vehicles but have a smaller battery
- Energy is stored as compressed hydrogen gas at 350 bar
- Hydrogen storage is lighter than batteries so FCEVs carry more payload and drive further
- Range can be extended by simply increasing the number of hydrogen storage tanks
- Hiringa refuelling dispensers use standardised components, ensuring future compatibility

Let's talk about how we can make hydrogen work for you and your fleets, today.

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Enquiries:
Ryan McDonald
Head of New Business
rmdonald@hiringa.co.nz



www.hiringa.co.nz