

HYZON

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Accelerating the energy transition

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André Lagendijk

Sales Manager Hyzon Motors Europe BV

Agenda

- 1) Hyzon Motors company & productportfolio
- 2) Collaboration Geesinknorba and Hyzon
- 3) How does hydrogen work & advantages of hydrogen
- 4) USP (econic conversion)
- 5) A few examples
- 6) Hyzon Motors Europe services
- 7) Contact for more information



Hyzon Motors company

Who is Hyzon?

Hyzon Motors is a leading global supplier of zero emission hydrogen fuel cell powered commercial vehicles, including heavy duty trucks, buses and coaches.



Vision

Accelerating the Energy Transition



Manufacturing locations

USA

Rochester, NY
Chicago, IL

The Netherlands

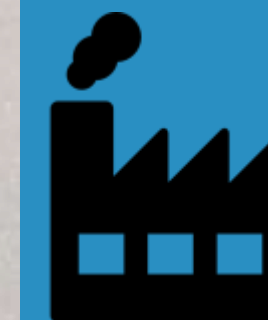
Winschoten, Groningen

China

Shanghai

Australië

Sydney



Productportfolio



HYMAX-160 4x2 RIGID

The Hyzon Hymax-160 4 x 2 RIGID is perfectly suitable for applications like box truck, refrigerator trucks or refuse collecting vehicles.



HYMAX-250 6x2 PULLER

The Hymax-250 PULLER is perfectly suitable for national and international transport.



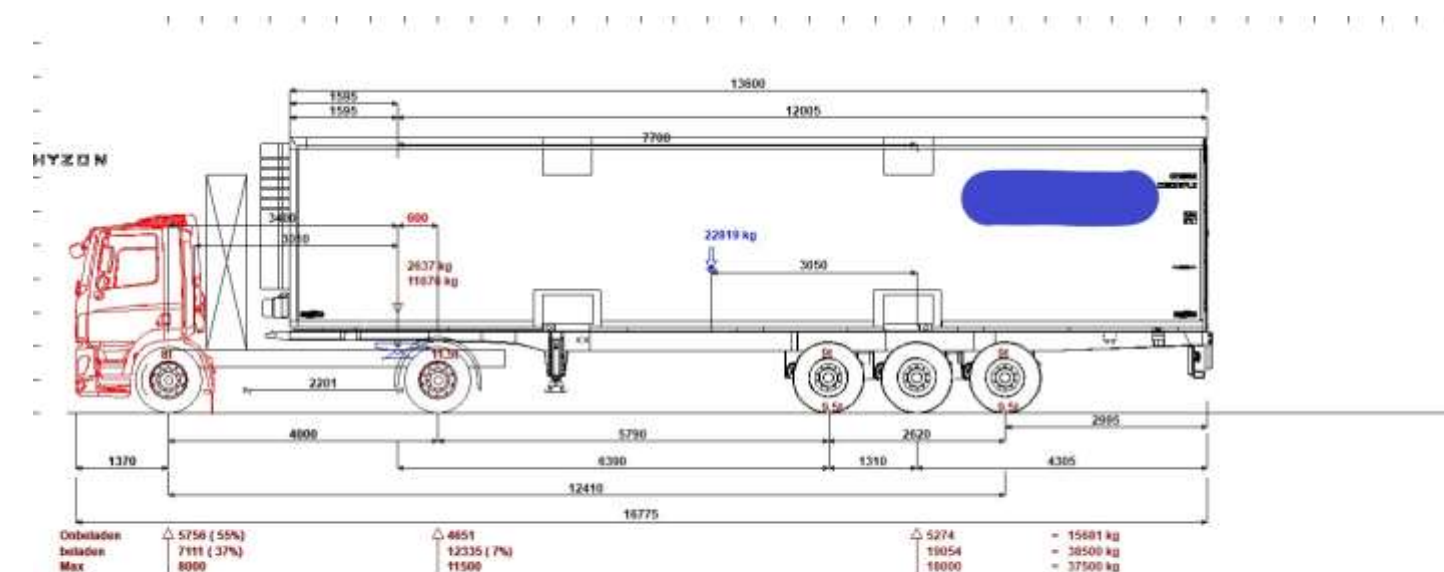
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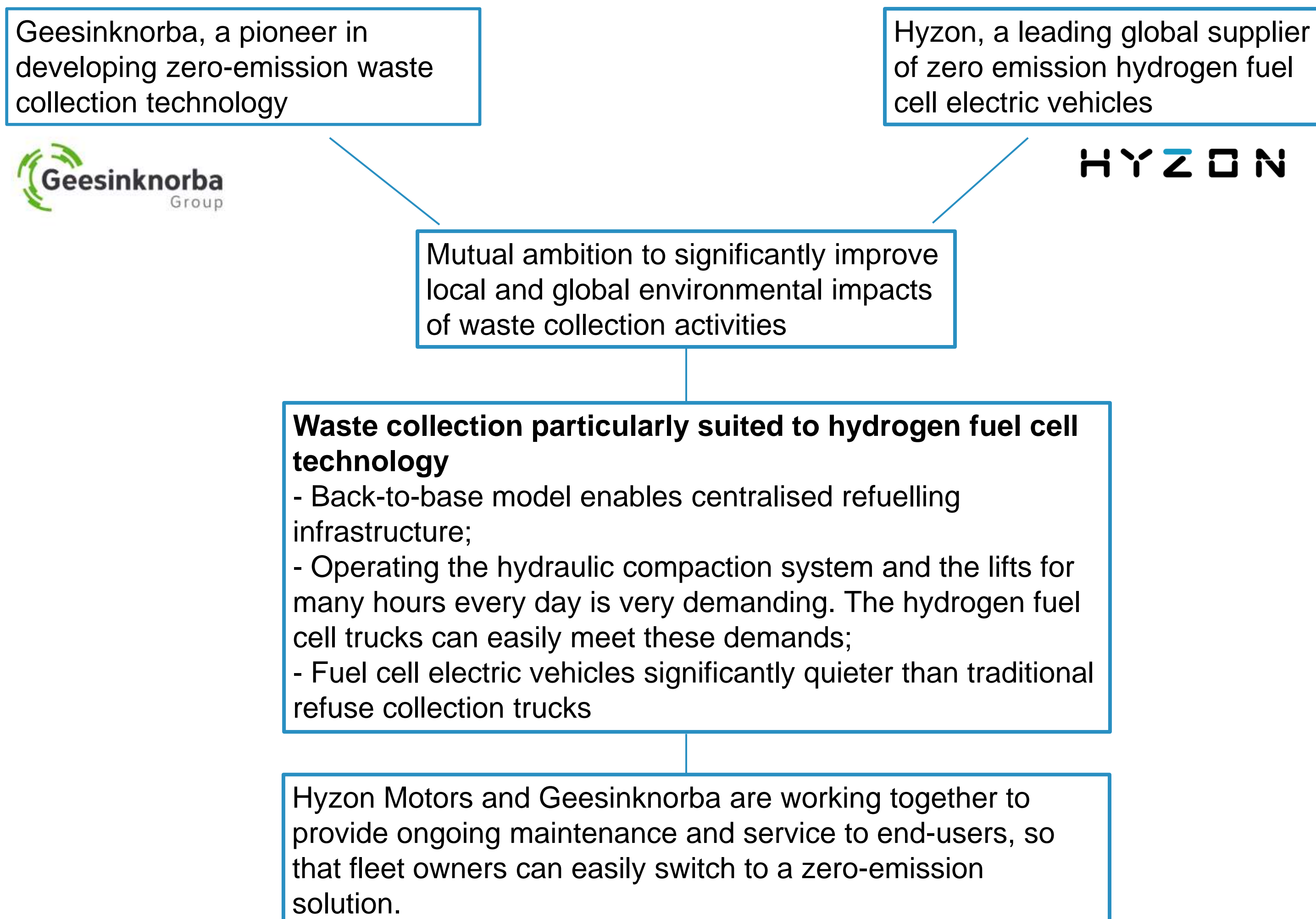


HYMAX-250 LE (low entry) 6x2 RIGID

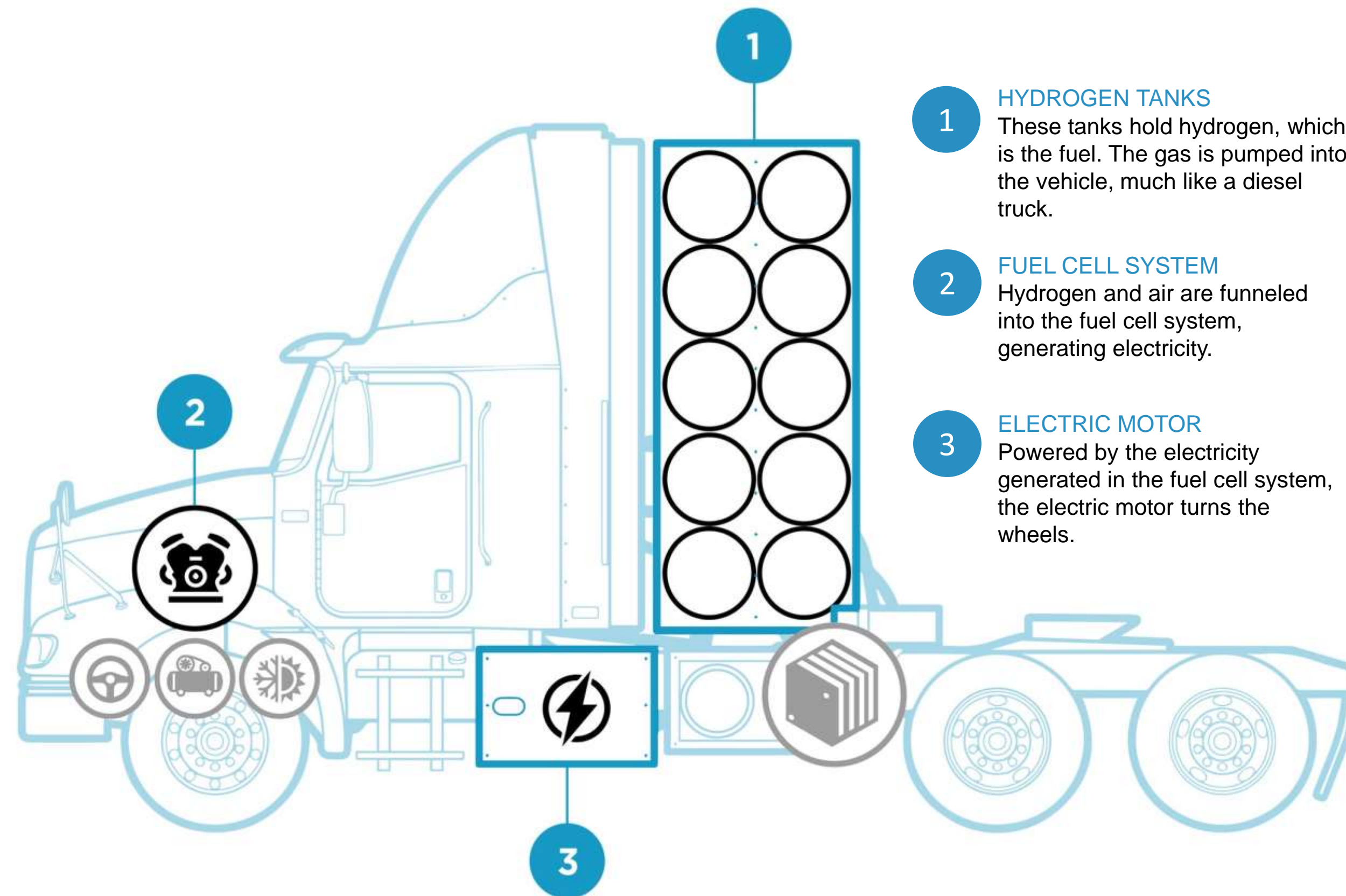
The Hyzon Hymax-250 LE 6 x 2 RIGID is perfectly suitable for refuse collecting.



Collaboration Geesinknorba and Hyzon



How does hydrogen work?



1 HYDROGEN TANKS
These tanks hold hydrogen, which is the fuel. The gas is pumped into the vehicle, much like a diesel truck.

2 FUEL CELL SYSTEM
Hydrogen and air are funneled into the fuel cell system, generating electricity.

3 ELECTRIC MOTOR
Powered by the electricity generated in the fuel cell system, the electric motor turns the wheels.

Function of the system:

- The fuel cell delivers a constant power.
- The current is fed into the electric driveline and corresponds to the average consumption of the vehicle including all ancillary consumers;
- The fuel cells have a service life of 30.000 to 35.000 operating hours;
- The advantage of a FCEV is the short time needed for refuelling.
- Vehicles are standard equipped with a 120 kW Horizon fuel cell;
- Horizon is considered the most efficient and reliable supplier of fuel cells in mobility, shipping and aviation.

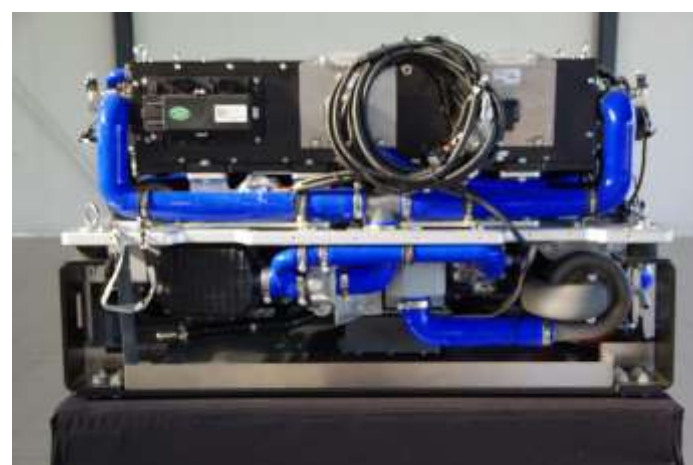
How does a HYZON/GNG hydrogen RCV work?



Li-On Power Pro Modul (the intelligent hydraulic control for your application)

Batteries on chassis

Fuel Cell



Function of the system:

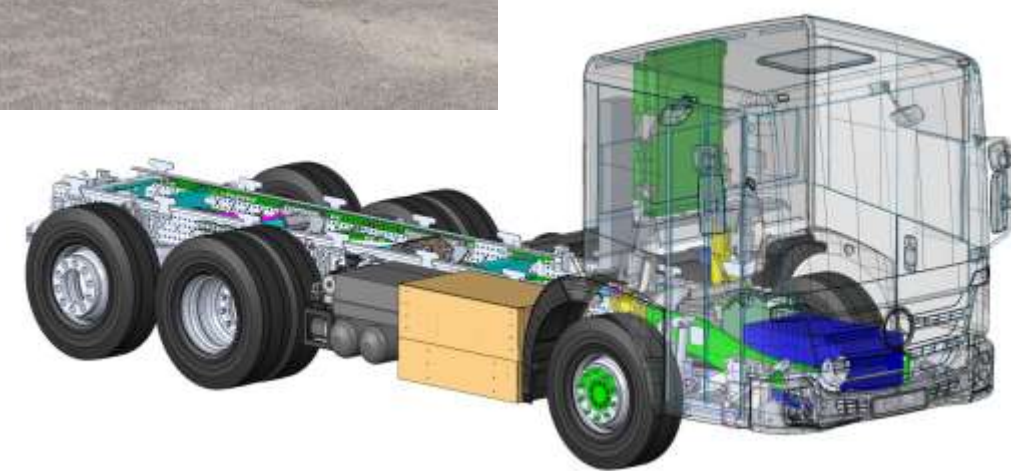
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Advantages of hydrogen

- Driving and operating use with low noise emissions
- No exhaust emissions from the vehicle
- Long Range (up to 600 km)
- 100% emission-free operation when using emission-free energy sources



USP (Econic conversion)



Specifications Hydrogen Electric powertrain

Power- Power electric motor	250 kW
Power high voltage battery	70 kWh
Voltage powertrain	700 Volt
Maximum speed	85 km/h
Fuel cell power	120 Kw
Amount of KG hydrogen	20 kg
Working pressure cylinders	700 bar + IR Communication
Total range vehicle	300 KM including battery
CCS charging	50 KW per hour, optional

Specifications base chassis

Model	Mercedes Econic
Wheelbase	3.900mm
Gearbox type	Allison automatic Gearbox 3200
Communication	Geesink communication included HV-Cable included

A few examples



Hyzon Motors Europe services



Mission Zero Leasing

Mission Zero Leasing is the home financier of HYZON Motors Europe for its vehicles and is fully focused on the hydrogen powered commercial vehicle market, offering customized financing for new and used hydrogen powered commercial vehicles.



Service & Maintenance

HYZON Motors Europe has set up a service training together with its partners so that we can work with a well know partner of your company to ensure that your hydrogen vehicles remain on the road. For this we always have a stock for parts for the service and maintenance of your vehicles.



Helpdesk

We have set up a helpdesk for questions about your vehicle and / or reporting a malfunction so that your operators and you as a customer can always contact us if something is wrong with your vehicle.



Sales agents throughout Europe

HYZON Motors Europe uses sales agents throughout Europe, so if you have questions about your vehicle or want to request a quote, you can always contact your designated sales agent.



Online cloud data logger

All vehicles that HYZON Motors Europe builds are standard equipped with an online cloud data logger so that your vehicle can be read remotely in case of malfunction, but preventive maintenance can also be predicted so that you experience as little downtime as possible with your hydrogen powered vehicle.

HYZON

Questions?

Contact for more information

André Lagendijk

andre.lagendijk@hyzonmotors.com

www.hyzonmotors.com

