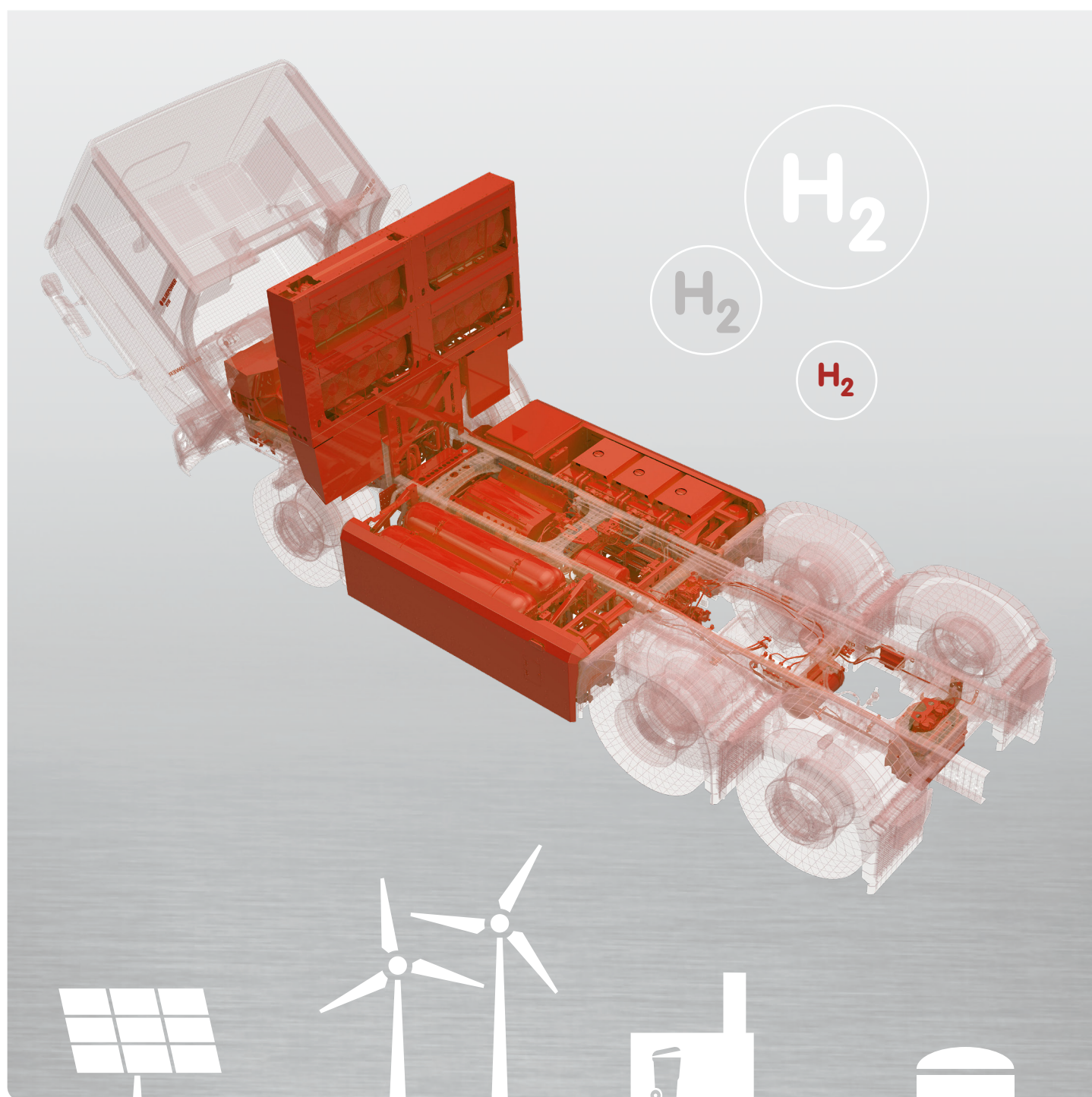


BLUEPOWER

Battery/hydrogen fuel cell hybrid drive system



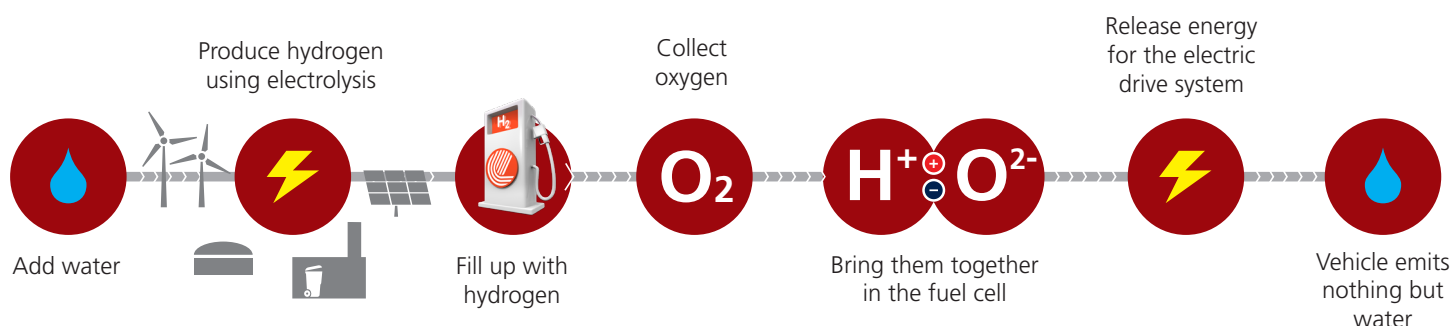
BLUEPOWER

The future of carefree energy

BLUEPOWER is the sustainable battery/hydrogen hybrid vehicle for climate-neutral waste disposal. It has been specially developed for use in the waste disposal industry, a sector in which we have many years of expertise both as a coachbuilder and as a lifter truck specialist. BLUEPOWER is a complete, clean, carbon-neutral drive system.

The system is installed on Mercedes-Benz Econic glider chassis, minus the conventional drive system (i.e. without the combustion engine and the exhaust). We add all the necessary components of the BLUEPOWER system to the chassis, which can then be fitted with a ZOELLER CLEAN DRIVE assembly.

On the move with hydrogen



100% clean

- Reduces all categories of emissions (CO₂, nitric oxides, particulates)
- Gives city councils, local authorities and refuse collectors the chance to lead the way on cutting edge mobility technology

Hydrogen: added-value energy

- High energy density
- Lightweight components
- Highly efficient
- Short fuelling times - filling the tank takes just a few minutes

Good reasons to switch

- Fuel cells and hydrogen tanks are upgradable as modules
- A weight-optimised vehicle tailored to your exact requirements
- Range up to 400 km (depending on operating conditions)

The right solution for any route

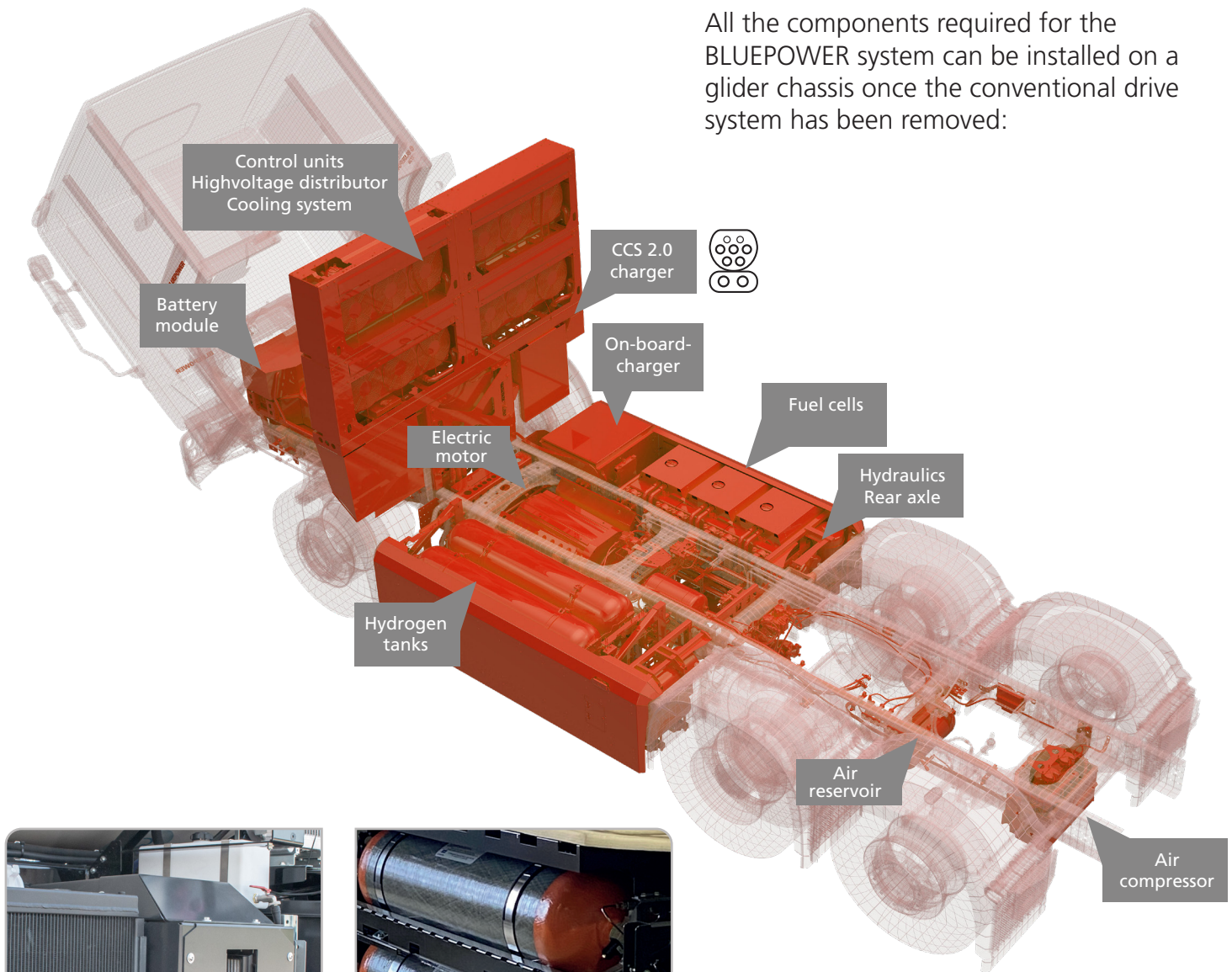
- Our experts will come to you for an initial discussion
- We will individually analyse route data for your area
- We will then provide you with a presentation including our assessment of the data
- We will draw up a personalised quote for a BLUEPOWER vehicle tailored to your requirements
- We will guide you through the transition to your new hydrogen vehicle technology
- With our service plans, we will keep your vehicle running smoothly throughout its entire life-cycle

Where does hydrogen come from?

- Waste incinerators can produce hydrogen using electrolysis
- Hydrogen is a by-product of the chemical industry
- The number of hydrogen filling stations is growing all the time (<https://h2.live>, also available as an app)



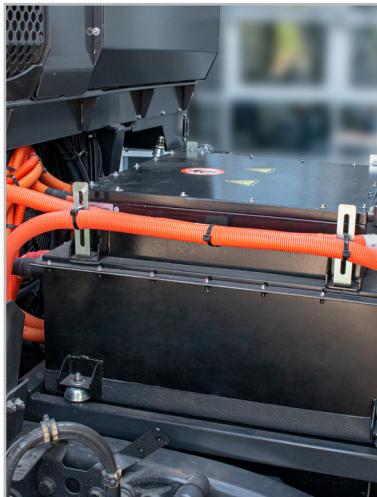
All the components required for the BLUEPOWER system can be installed on a glider chassis once the conventional drive system has been removed:



Fuel cells



Hydrogen tank



Battery module



High-voltage distributor

Basic specifications

Battery pack:

- Capacity: 85 kWh
- Battery range: 20 km for transportation
- Collection performance:
 - 2 x 10 tons of waste with an interim charging stop (40 minutes - 150 kW fast-charging-station)
- Chemical composition:
 - NMC (Nickel-Manganese-Cobalt) or
 - LiFePo (Lithium-Ferrous-Phosphate)

Fuel cells:

- Fuel cells: 30 to 90 kW

Hydrogen tanks:

- Type IV composite hydrogen tanks
- Storage capacity: 150 kWh – 600 kWh
- Pressure: 700 bar
- Filling time: 7 - 15 minutes approximately
- Range: up to 300 km

Hydrogen can easily be manufactured during processes used in waste incinerators and biogas plants. Be among the first to switch to our climate-neutral trucks!

For more details, contact Now GmbH at:
www.now-gmbh.de/de



The sale is just the beginning

At ZOELLER, we're committed to supporting you throughout your vehicle's service life. Our highly-trained service personnel are experts on the latest hydrogen technology and can offer a full range of services, including:

- Full servicing and finance packages
- Training
- Technical support for your new equipment



If you have any questions about BLUEPOWER, contact:
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