

40
years

BALLARD

Zero Emission Hydrogen Fuel Cell Vehicles

Alan Mace
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BALLARD®

There is urgency to
reduce local air
pollution and GHG
emissions



BALLARD®

Transport responsible for 22% of global energy related GHG emissions and they are increasing at a faster rate than any other sector.

The image features a dark teal square in the top-left corner containing the Ballard logo. The background is a night-time photograph of a port or industrial facility. In the foreground, a large semi-truck with a dark trailer is moving from left to right, blurred to indicate motion. The road is paved with yellow lane markings. In the background, several large orange gantry cranes are visible, illuminated by warm lights. The sky is a deep blue, suggesting dusk or dawn. A white semi-transparent box on the right side of the image contains text about fuel cells.

BALLARD®

Power

Range

Payload

Fast refueling

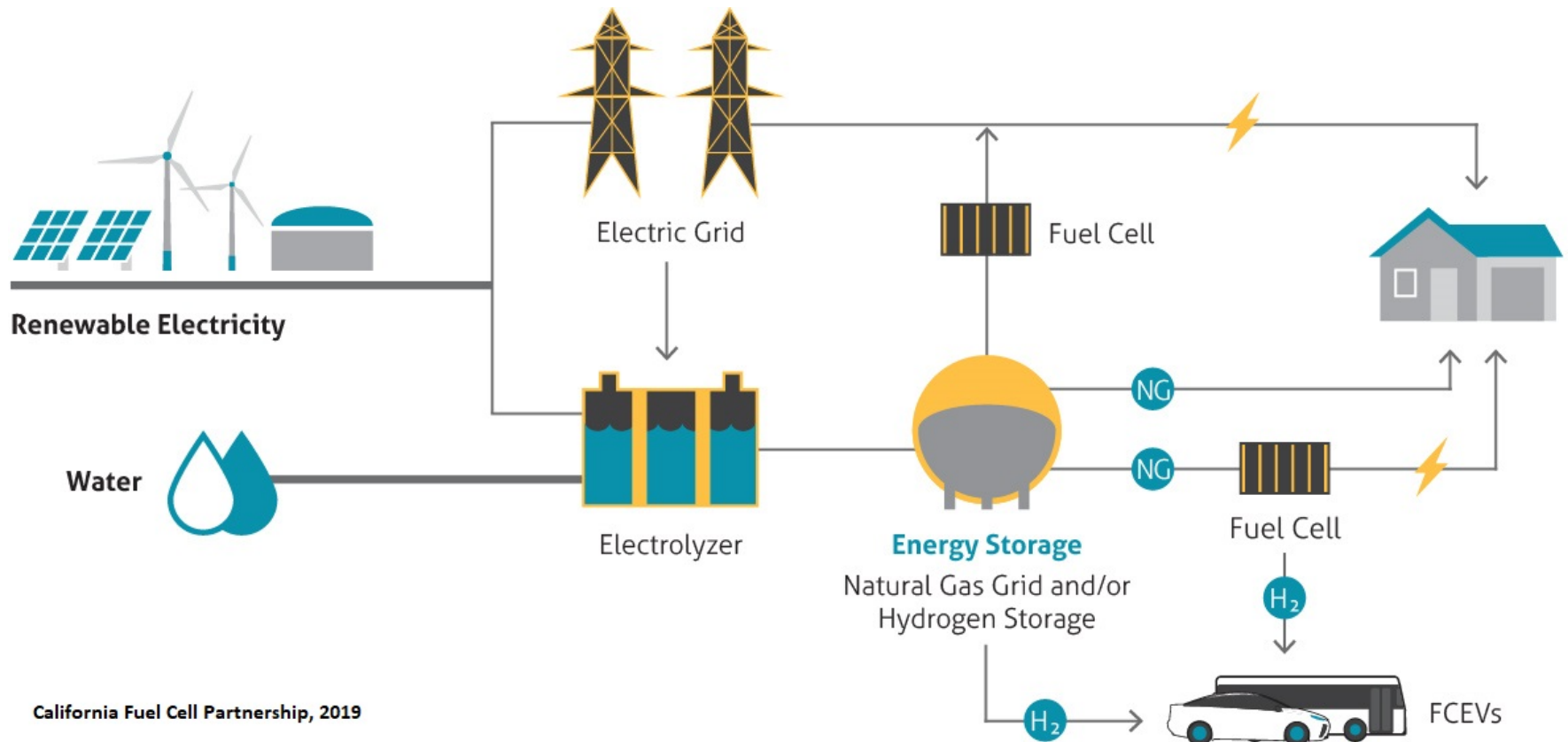
Fuel cells offer superior zero-emission performance for medium and heavy duty vehicles.

Hydrogen provides scalability for heavy duty fleets

- Hydrogen provides operational flexibility
- Hydrogen is ideal for centralized fueling of large heavy duty fleets
- Hydrogen opens a different way to transport low carbon energy into cities

Hydrogen is integral to decarbonizing society, including transportation & industry

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California Fuel Cell Partnership, 2019

Hydrogen is a flexible fuel.

- Safe and manageable
- Supplied as compressed gas or liquid
- Can also be produced on-site
- Existing infrastructure solutions and supply chain
- Defined safety & refueling standards

