CLEAN MOBILITY

WHAT'S NEXT FOR THE INDUSTRY?

Ognjen Jovanović, eTrucks Manager, Daimler

DAIMLER TRUCK

We are building the way towards Zero Emission Mobility

Daimler Commercial Vehicles MENA | Ognjen Jovanović | Dubai, December 2023

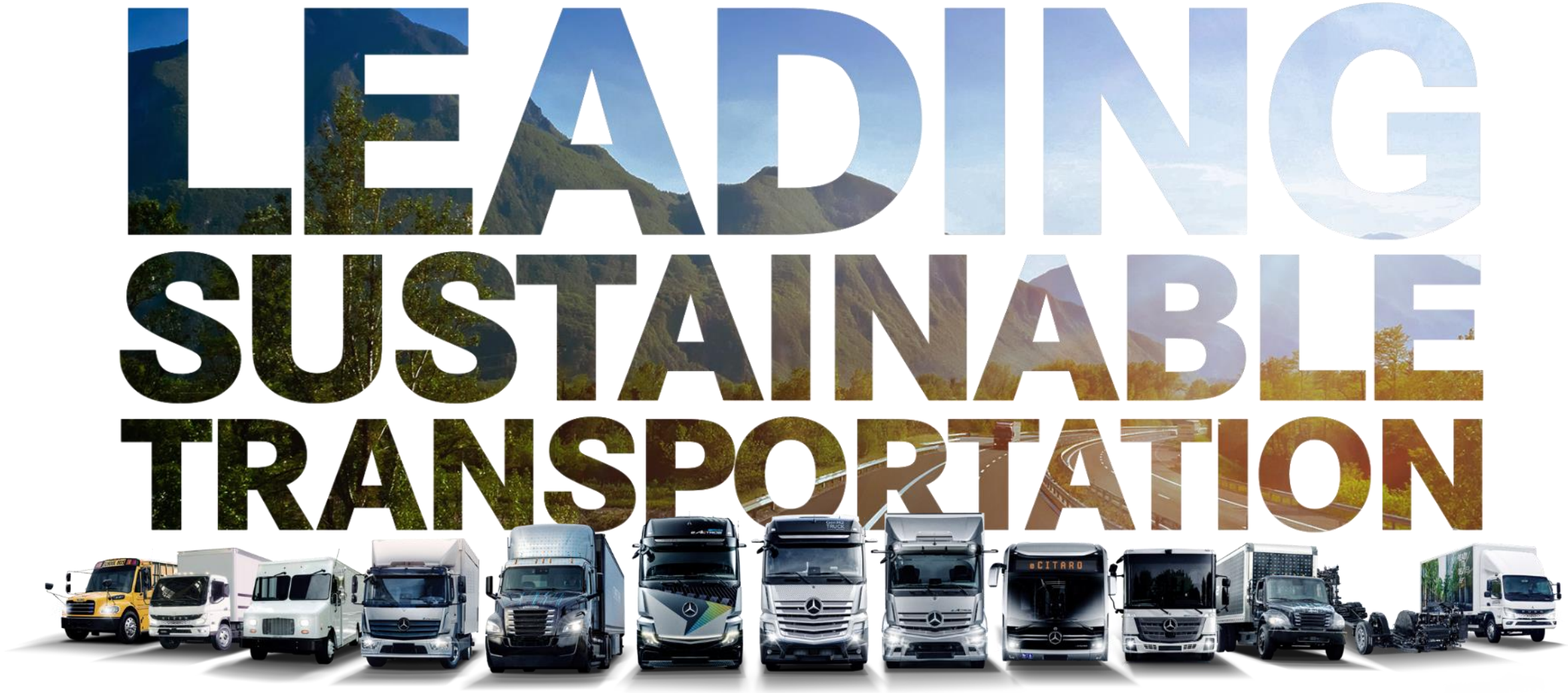

Daimler Truck
WE ARE DAX
GenH2 TRUCK
powered by cellcentric
GER H 2022

We are Daimler Truck. For all who keep the world moving.

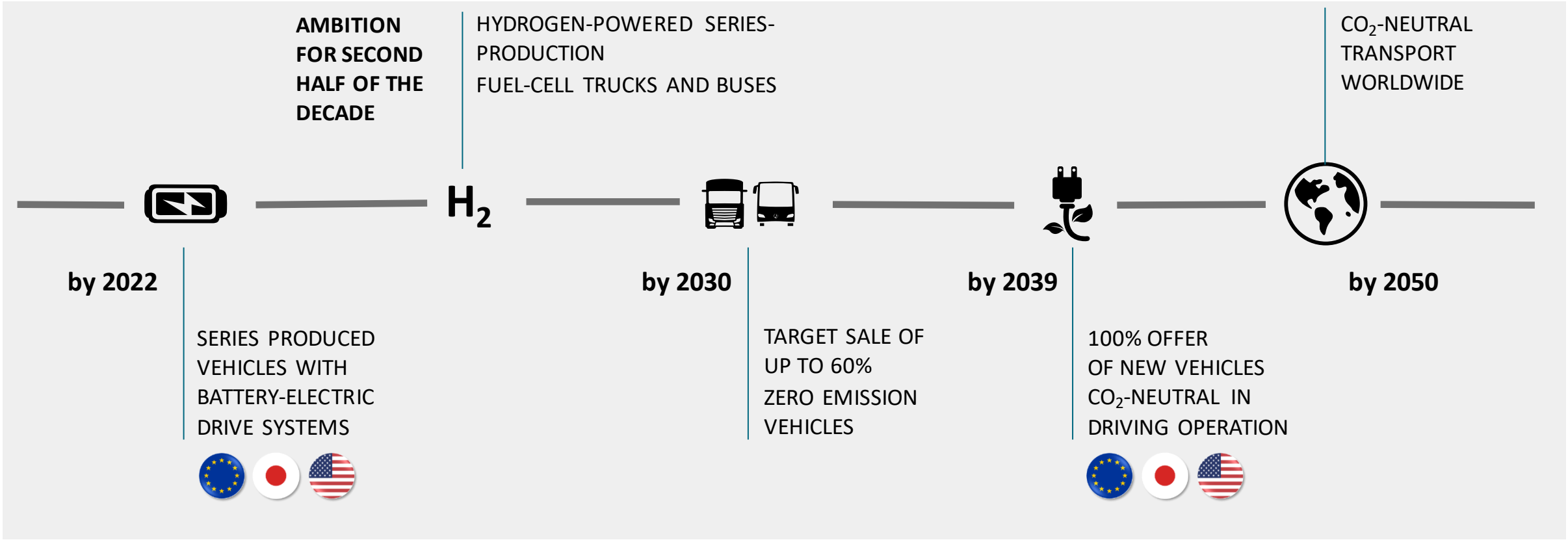
Daimler Truck is one of the **largest manufacturers of trucks and buses**, offering vehicles and financial services tailored to our customers' needs.

Commercial vehicle brands

Daimler Truck **vision.**



Daimler Truck on the road to **CO_2-neutral transportation.**



Daimler Truck **propulsion strategy.**
To derive target technologies, different perspectives are required.

SYSTEM VIEW

TECHNICAL VIEW
All transportation tasks could be solved with either battery or H2 – with significant tradeoffs

H_2 or

CUSTOMER VIEW
Depending on customer use cases and ecosystem, BEV or H2 is the better fit

Range | Recharging | Total Cost of Ownership

INFRASTRUCTURE VIEW
A decarbonized world needs both: local electric grids and global H2 trade

Energy availability

H_2

Only the **combination of battery-electric and hydrogen-based technologies** ensures the future of transportation and optimal customer solutions.

We are bringing two technologies to series production that lead to a CO_2-neutral future – **batteries and fuel cells.**

* Pictured truck is concept prototype eActros LongHaul; official series model designation is eActros 600.

Mercedes-Benz eActros 300/400:
For heavy-duty distribution in urban areas.

Already available

- Battery-electric truck with a range of up to 400 km
- In series production since October 2021
- Available in different rigid chassis variants
- Part of holistic ecosystem with Consulting services for electric mobility

Mercedes-Benz eActros 300 tractor:
For heavy-duty distribution in urban areas.

Already available

- Battery-electric tractor head with a range of up to 220 km
- In series production from 2023
- Available in 4x2 version with M-cab
- Part of holistic ecosystem with Consulting services for electric mobility

Mercedes-Benz eEconic 300:
CO_2-neutral waste-collection.

Already available

Designed to cover the vast majority of typical waste collection routes operated by an Econic in a single shift without intermediary charging

In series production since July 2022

For clear views and high safety:

- Low-positioned “DirectVision cab” with panoramic windscreen and glazed passenger door
- Multiple active safety systems such as Active Brake Assist 5 supporting the driver

Mercedes-Benz eActros 600:
Battery-electric long-distance transport.

SoP in 2024

FUSO eCanter:
Battery-electric light-duty transport.

Coming soon

- Three different battery packs enable ranges between 70 and 200 kilometers on one battery charge
- Tailored to inner-city distribution and last mile transport
- More than 550 eCanter are currently in customer operations in Japan, Europe, USA, Australia and New Zealand
- Small series production since 2017, Next Generation eCanter in series production since May 2023

Mercedes-Benz GenH2 Truck prototype:
Hydrogen-powered long-haul transport.

Coming in 2nd half of decade

- Range of up to 1,000 km and more
- LH_2 Two liquid hydrogen tanks, each 40 kg
- Powerful and efficient fuel-cell system with 300 kW power and high-voltage battery able to provide up to 400 kW on top
- Intensive internal testing since April 2021, expanded to public roads since October 2021
- Ambition for series production in second half of the decade

Daimler Truck **ambition**: All new vehicles in Europe, North America and Japan are **CO_2-neutral by 2039.**

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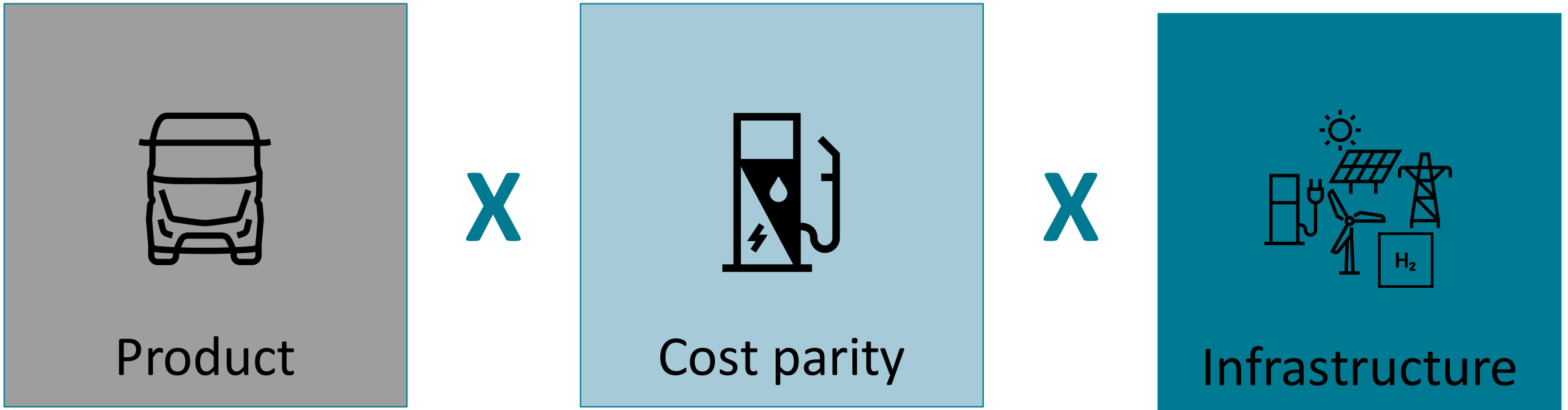
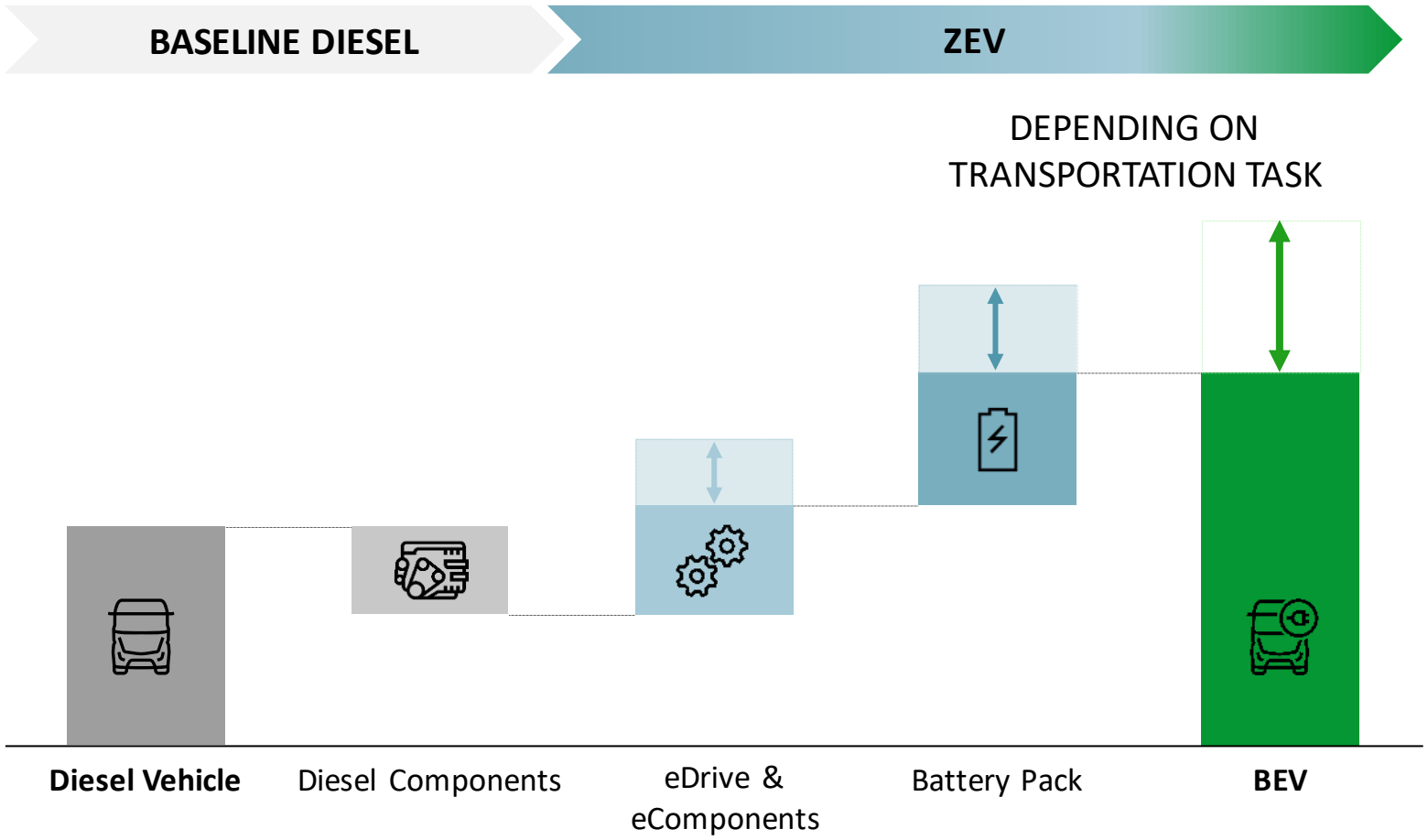
Years after 2023 indicate planned start of production

Three factors are needed to make **zero-emission transport a mass market.**

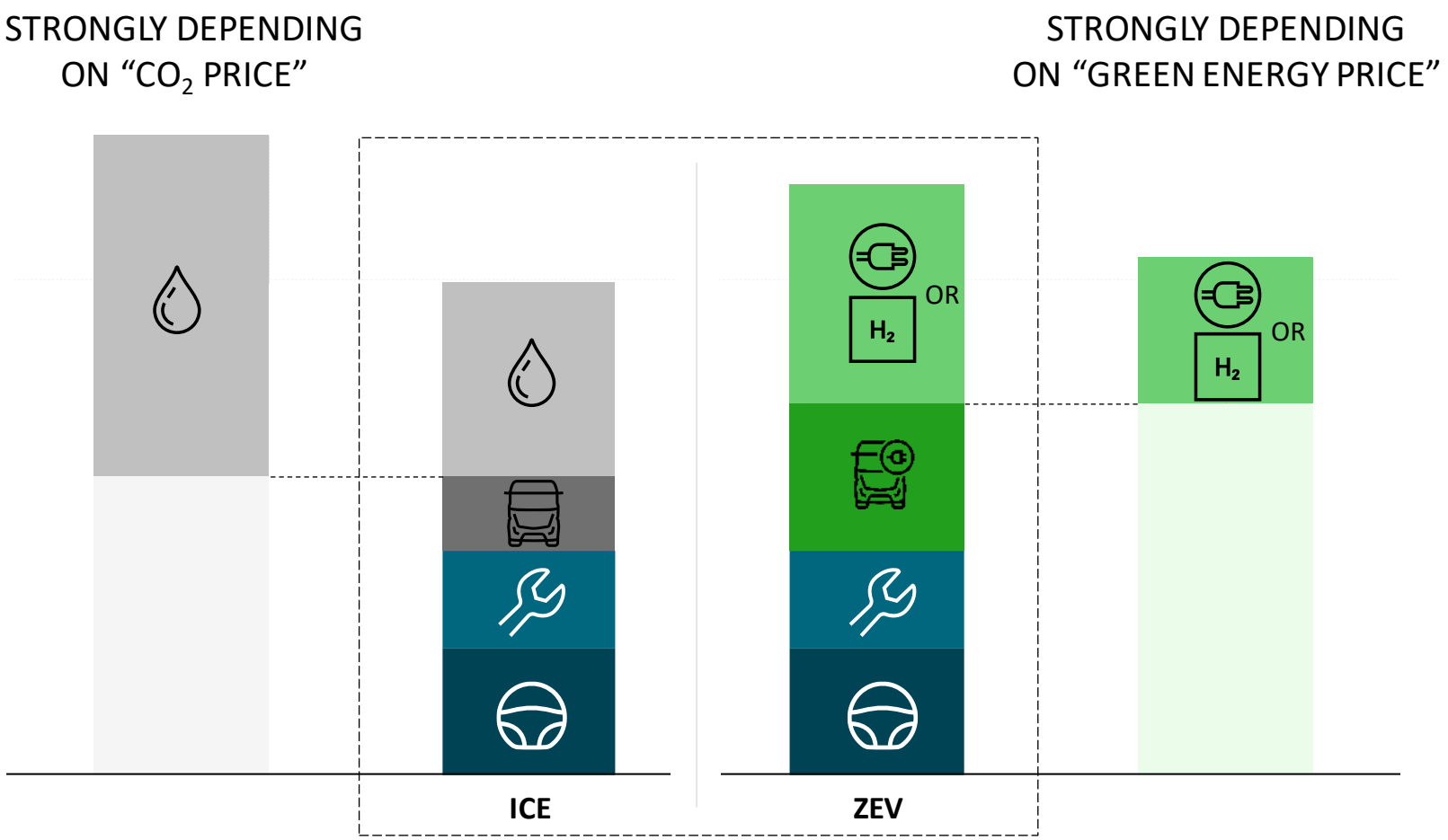


Irrespective of technology, higher overall cost of ZEV will remain.
And cost reduction remains crucial.



For better Total Cost of Ownership, customers need policy support.

Cost of energy and CO_2 will be decisive for the decarbonization speed.



Exemplary illustration for Total Cost of Ownership - ICE vs. ZEV

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Transportation Matters

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Thank you very much!

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