

# CLEAN MOBILITY

## WHAT'S NEXT FOR THE INDUSTRY?

Ognjen Jovanović, eTrucks Manager, Daimler





A white Daimler truck is driving across a long bridge that spans a large, calm lake. The bridge has a red-painted steel structure and concrete pillars. The surrounding landscape is lush with green forests and mountains in the background under a cloudy sky. The water reflects the sky and the surrounding greenery.

DAIMLER TRUCK

We are building the way towards  
Zero Emission Mobility







# 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



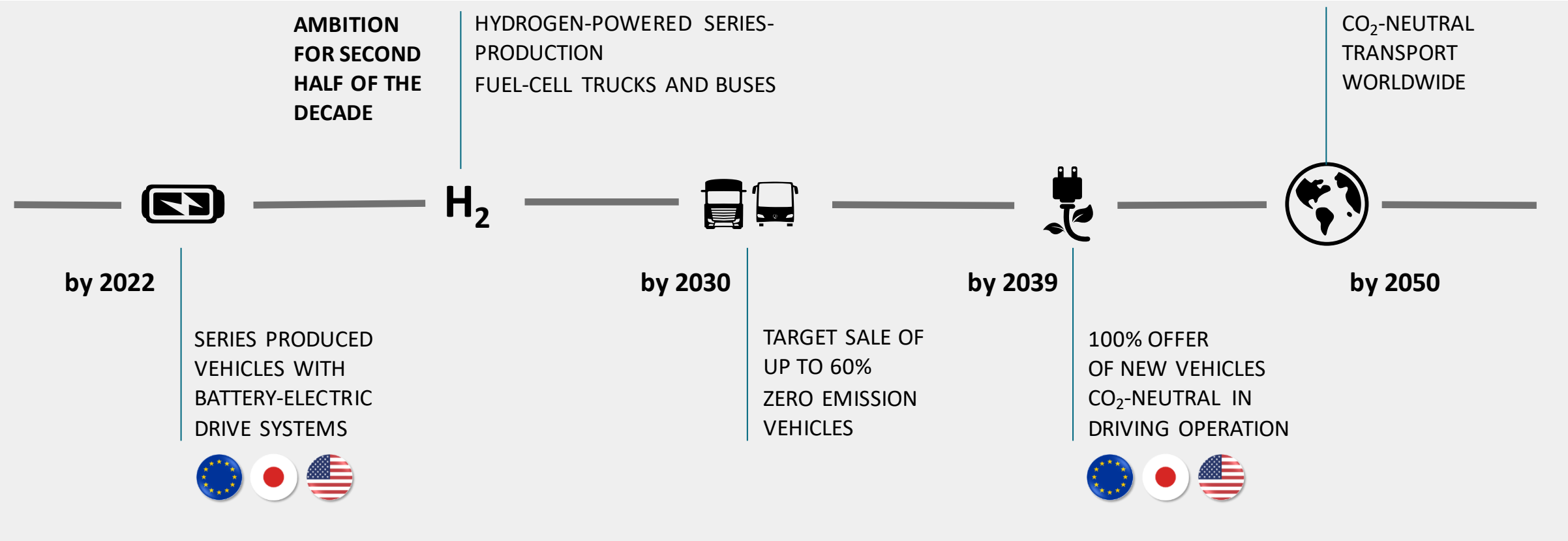


# Daimler Truck **vision.**

# LEADING SUSTAINABLE TRANSPORTATION



# Daimler Truck on the road to CO<sub>2</sub>-neutral transportation.



# Daimler Truck **propulsion strategy.**

To derive target technologies, different perspectives are required.

## SYSTEM VIEW

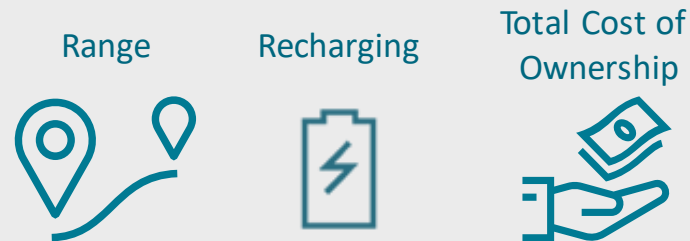
### TECHNICAL VIEW

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



### CUSTOMER VIEW

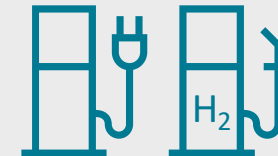
Depending on customer use cases and ecosystem, BEV or H2 is the better fit



### INFRASTRUCTURE VIEW

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

Energy availability



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<sub>2</sub>-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<sub>2</sub>-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



Range of about 500 kilometers on one battery charge and megawatt charging capability



For long distance transport with regular journeys on plannable routes



Low energy costs as battery-electric drive implies the highest efficiency among alternative drive systems



Series production planned for 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 2<sup>nd</sup>  
half of decade



Range of up to 1,000 km and more

LH<sub>2</sub>

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<sub>2</sub>-neutral by 2039**.

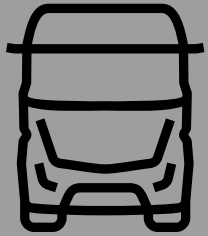


\* Pictured truck is concept prototype eActros LongHaul; official series model designation will be eActros 600. Years after 2023 indicate planned start of production



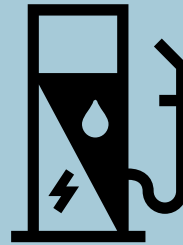
# Three factors are needed to make **zero-emission transport** a mass market.

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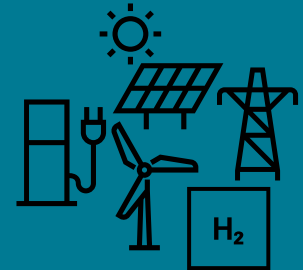
Product

X



Cost parity

X



Infrastructure

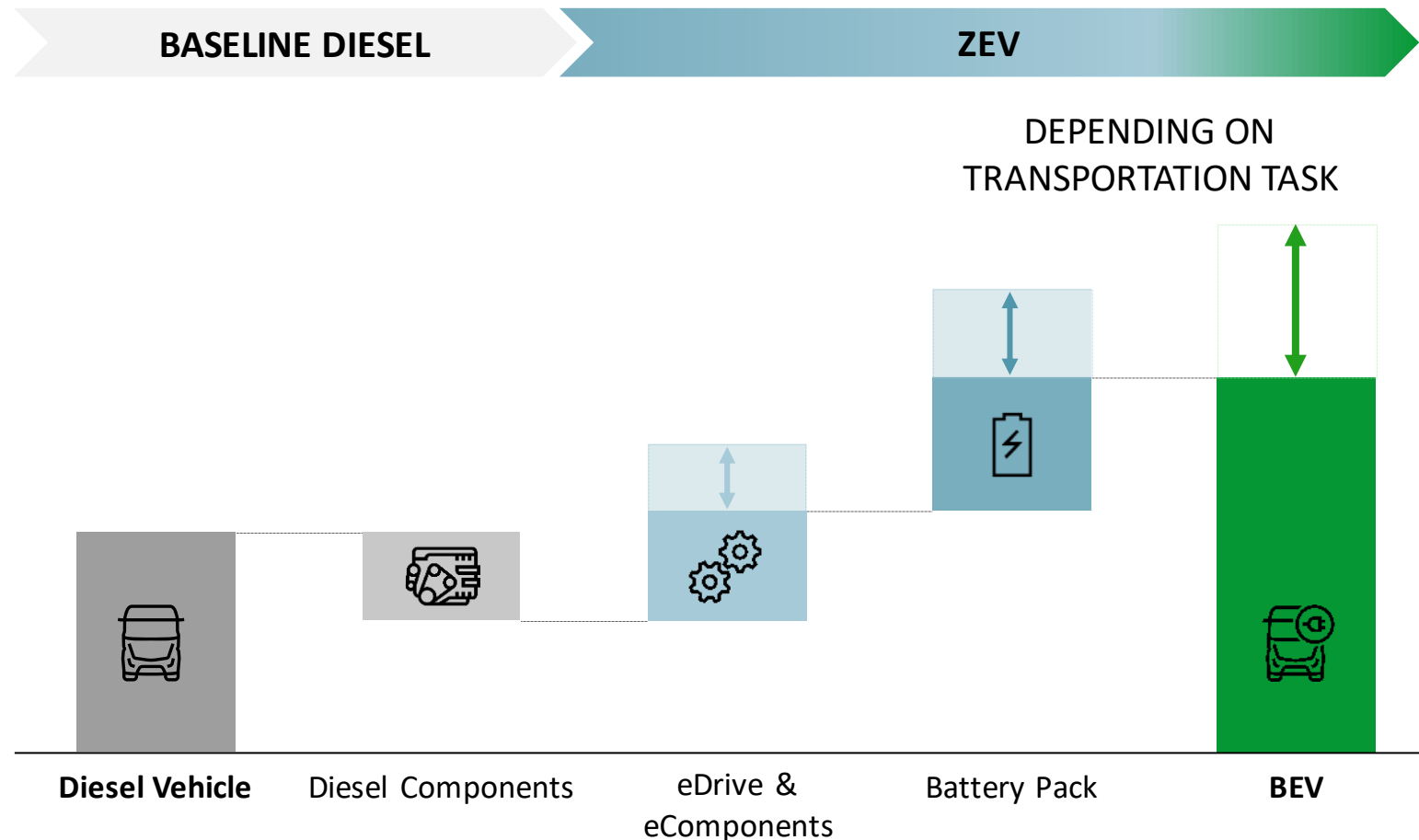
Product

Cost parity

Infrastructure



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





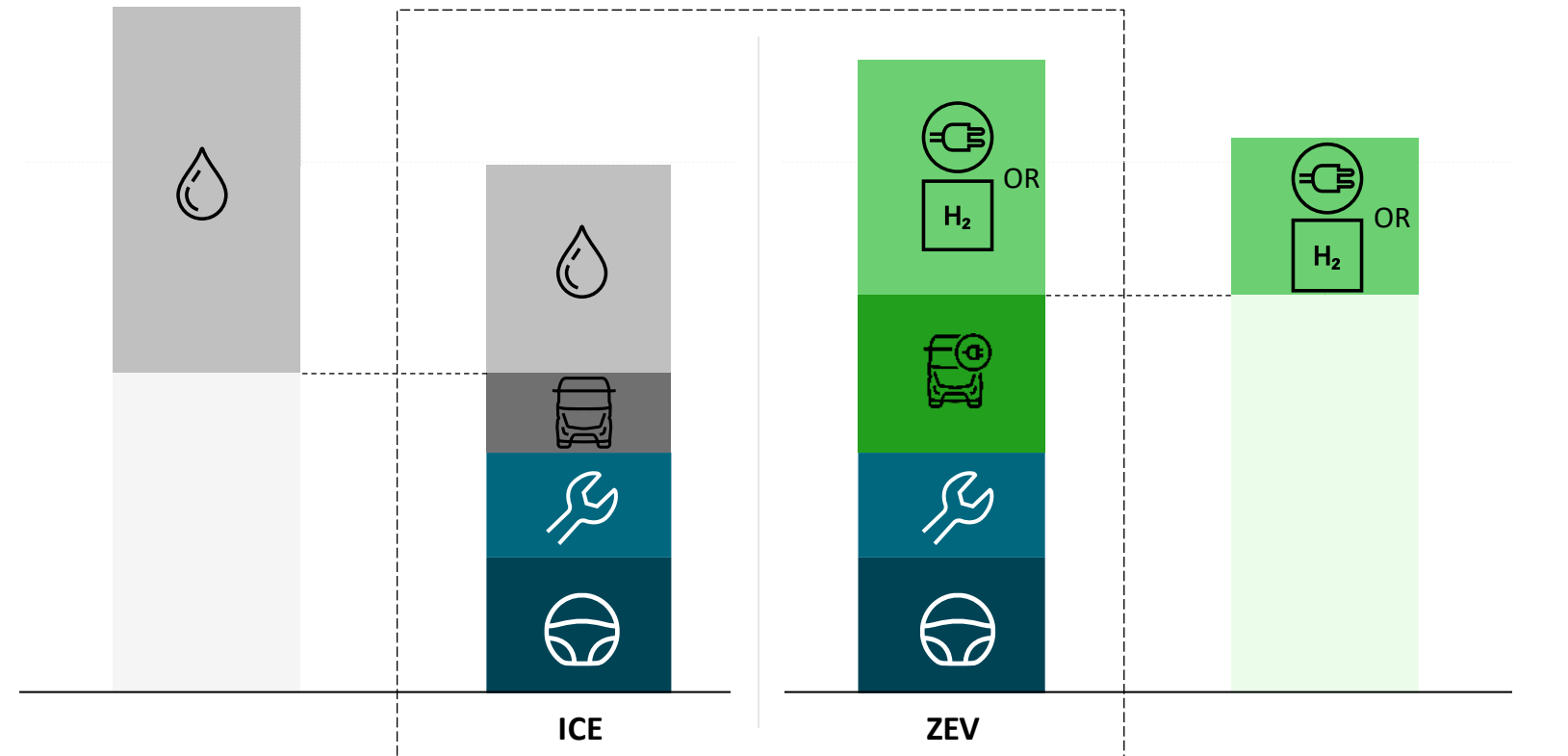
# For better Total Cost of Ownership, customers need policy support.

Cost of energy and CO<sub>2</sub> will be decisive for the decarbonization speed.



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

STRONGLY DEPENDING  
ON "CO<sub>2</sub> PRICE"





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[www.daimlermena.com](http://www.daimlermena.com)



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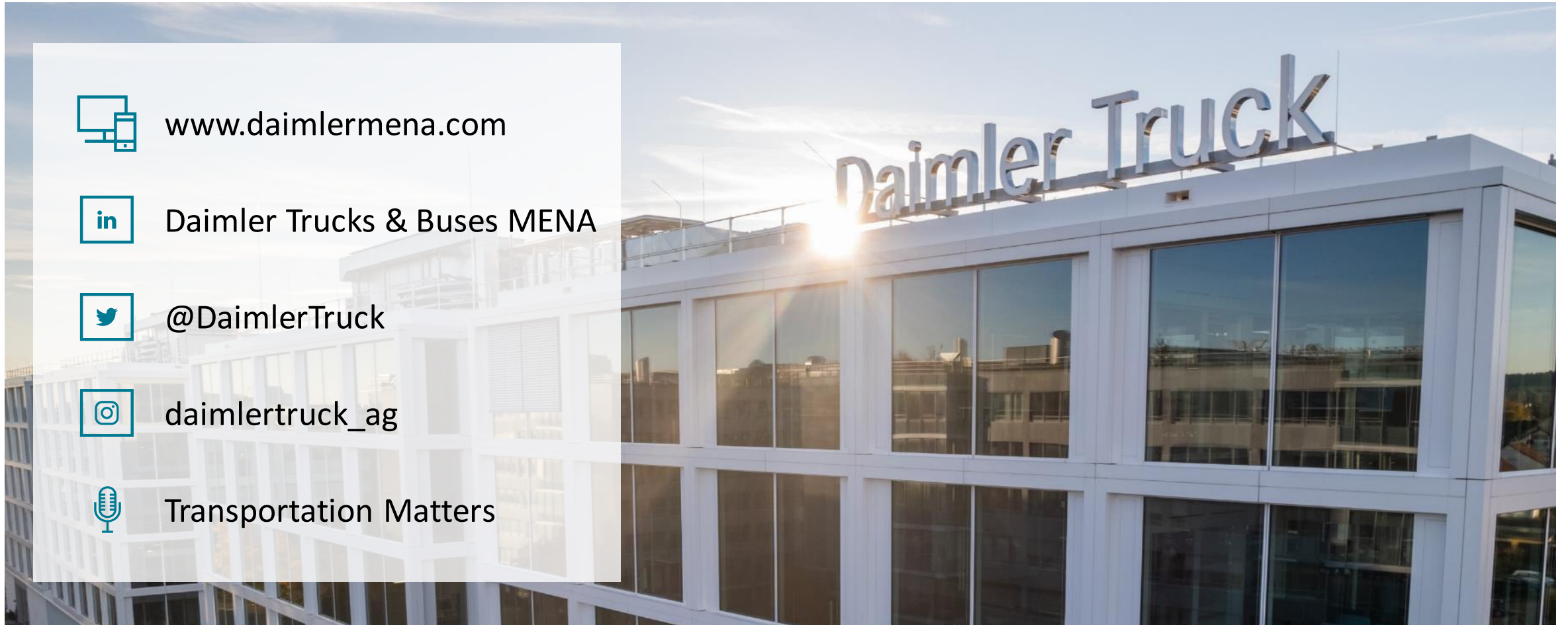
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Transportation Matters





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Thank you very much!