

THE FAST TRACK TO THE HYDROGEN ECONOMY

# EUROPEAN HYDROGEN ENERGY CONFERENCE





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## Hydrogen use in mobility

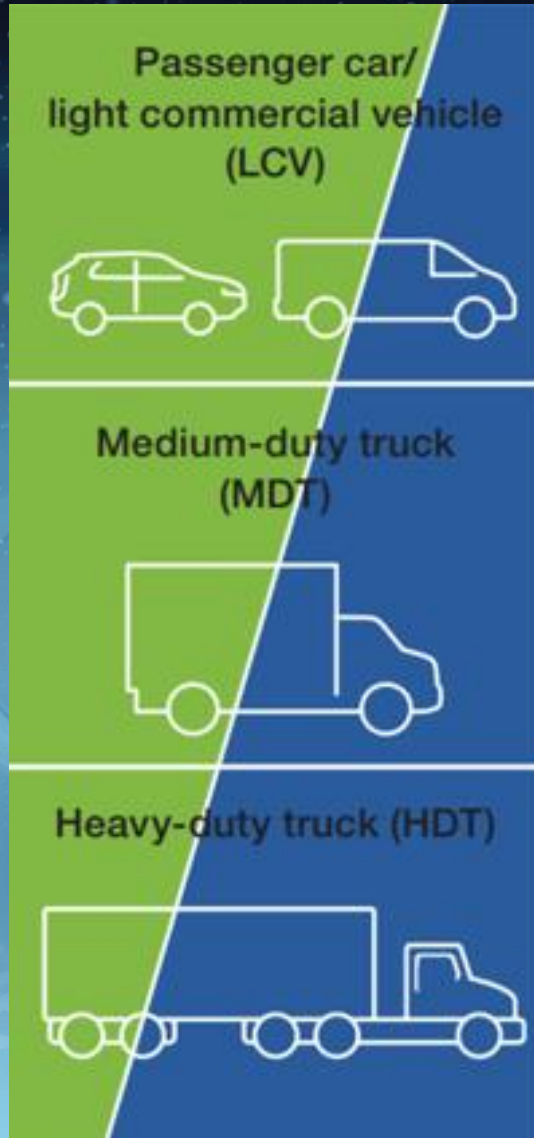
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Technical Head Hydrogen Powertrain  
and Fuel Cell Business Unit

Member of the Management Board, Hydrogen Council  
Chair Mobility, Hydrogen Europe

A: Why do we need hydrogen in transport?



# BEV and FCEV are complementary



Source: HydrogenCouncil



The Air Liquide logo, featuring a stylized blue 'A' icon followed by the text 'Air Liquide' in a dark purple font, is mounted on a white sign above the station's canopy.

Air Liquide

Two infrastructures are cheaper than one



FC passenger car and FC truck are complementary



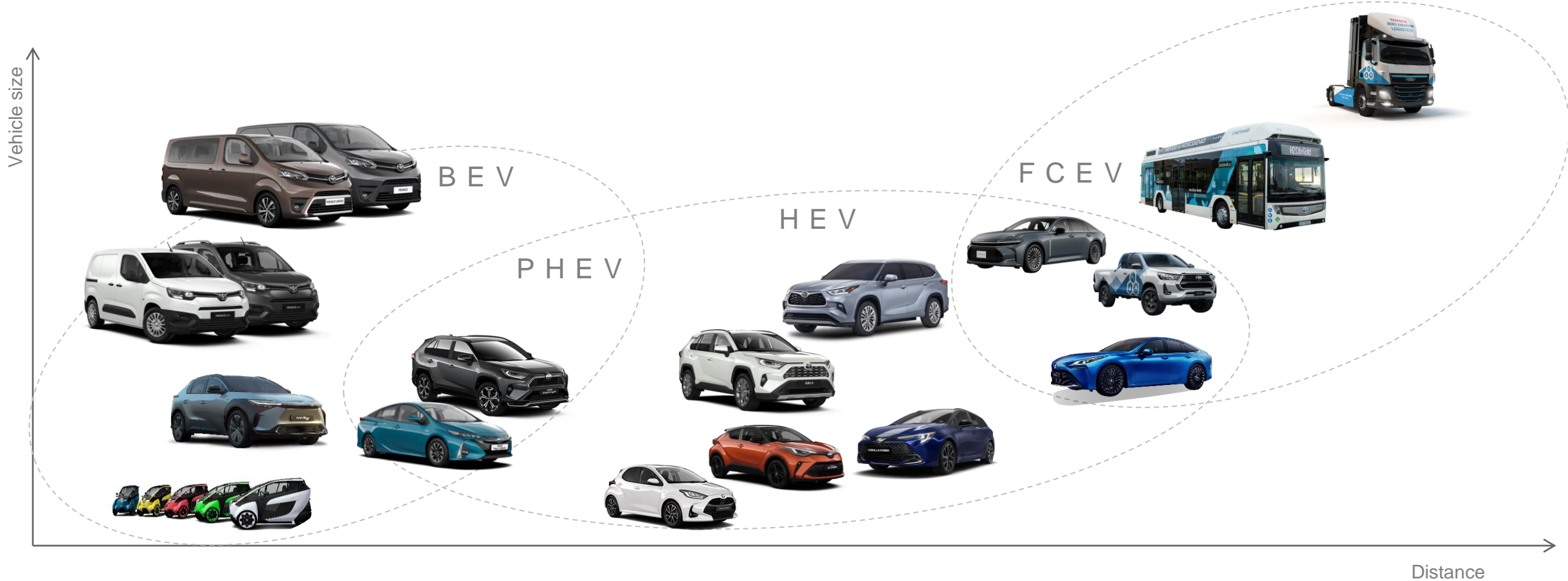
B: Toyota is accelerating



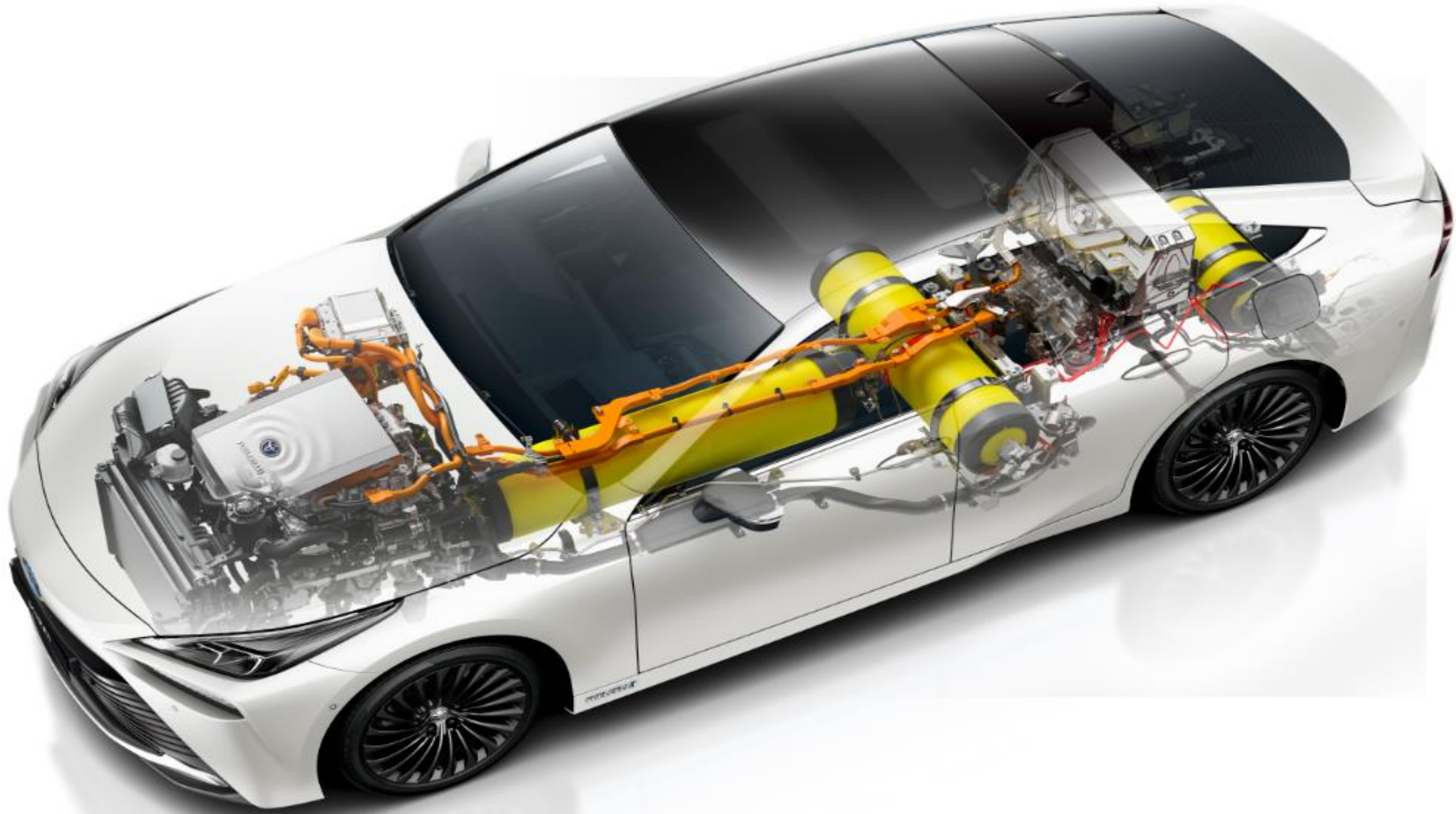
Investment Bottlenecks Inflation Chains Labour Bottlenecks Investment Policy Deployment Cost Supply Chains Labour Permitting Demand

# TOYOTA'S SUSTAINABLE MOBILITY STRATEGY (GLOBAL)

TECHNOLOGY DIVERSIFICATION INCLUDING HEVS, PHEVS, FCEVS AND BEVS



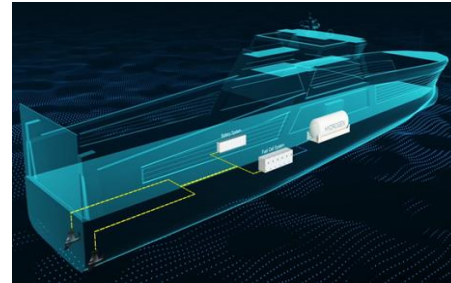




# Toyota & partner H2 products (non exhaustive)

· PUBLIC 公開

TOYOTA



# 3<sup>rd</sup> GENERATION FUEL CELL TECHNOLOGY

・PUBLIC 公開

TOYOTA

**2026**

Commercialisation

**+20%**

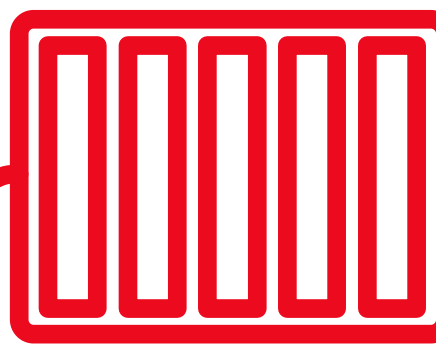
Cruising range

**-37% (100k)**

Cost reduction

**-50% (200k)**

Volume cost reduction  
with 200K units



# C: Hydrogen Eco-systems

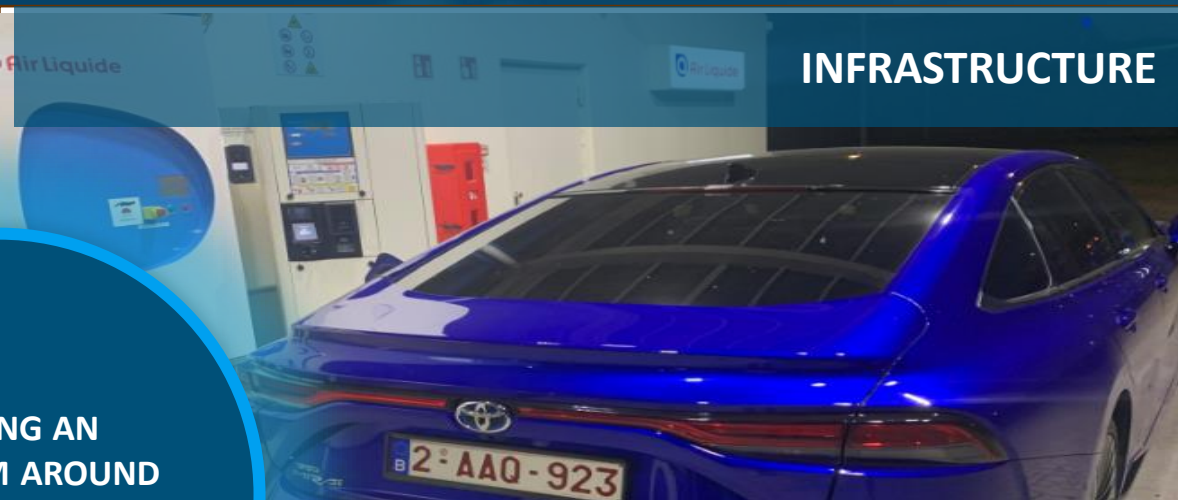


# Hydrogen Eco-system. What do we need?

CUSTOMER BUY IN



INFRASTRUCTURE



CREATING AN  
ECOSYSTEM AROUND  
**HYDROGEN**

INNOVATION



GOVERNMENT



**TOYOTA**

# HYSETCO



800 Mirai



4 Stations



Air Liquid (H2)  
Total Energy (H2)  
Kouros (funding)  
Slota (taxi licence)

# H2 moves Berlin



Up to 200 Mirai



5 Stations



Safe Driver Taxis  
Anglo American

# H2 moves Hamburg



Up to 105 Mirai



3 Stations  
+1 H2'24



Local dealer  
Anglo American





