

H2 Mobility Faurecia Hydrogen Strategy

June 14th 2019



Faurecia believes in a **BEV/FCEV Co-Existence** with FCEV playing a key role to **decarbonize vehicles with long range and high gross-vehicle-weight**



The Fuel cell technology is especially suitable for vehicles that require

- Long driving range
- Short refueling time
- High energy demand



Technology choice based on use-case rather than traditional vehicle segmentation vehicle segment





CLEAN MOBILITY

Fuel cell will drive the **electrification of approx. 2M large and premium vehicles and trucks by** 2030





High-performance fuel 🕖 cell stack sub- system Hydrogen H₂ storage sub- system



Sources: external industry studies, Faurecia analysis

Faurecia addresses 2 sub-systems capturing 75% of the full fuel-cell system value



Faurecia will support OEMs from component to system development and vehicle integration Faurecia

Symbio, a Faurecia-Michelin Hydrogen Company: A global leader in H2 stack and systems



5 kW / 30kWh (2 kg of H2)

taurec

Full vehicle system Know How

<u>Hydrogen Storage System (HSS)</u>: pilot line up and running, benchmark performance design





	700 Bars H2 tank
Length	1100mm
Diameter	350mm
Volume	691
H2 Capacity	2,75kg
Weight/Tank	37,5kg
Efficiency (gross)	> 7 wt%
Permeation	< 0,5 Ncm ³ /L/h (EC79 limit 6 Ncm ³ /L/h)
Lifetime	20yrs / 5000 fills (EC79)
Homologation	EC79 baseline (07/2019) GTR testing \$1 2019



KEY SUCCESS FACTORS

 Leading technology in-house and through partnerships / JVs

 Cost competitiveness through purchasing power & Capex optimization capabilities

✓ Brand and OEM customer portfolio in both light and commercial vehicles Faurecia credibility confirmed by tank awards, stack JV with Michelin

First SOP planned in Q1 2021



