Infrastructures and energy costs for a competitive H2 mobility

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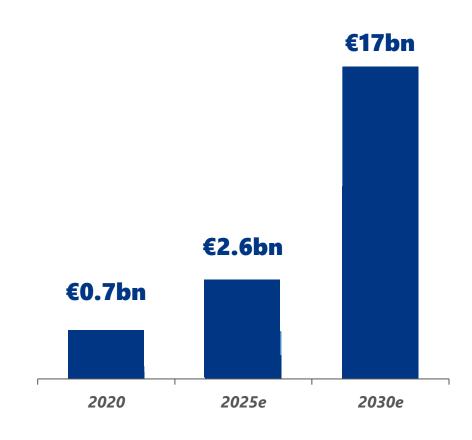


H2 availability and affordability drives €17bn market in 2030 with 2.5m passenger and commercial vehicles

> Fuel cell market drivers

	2030 vehicle production	2030 hydrogen -powered vehicles	Average 2030 value	
			Storage systems	Stacks
Passenger & light commercial vehicles	100m	2m	€2k	€4k
City buses & coaches	0.5m	50-100k	€6k	€10k
Medium-duty vehicles	1.0m	100-150k	€10k	€12k
Heavy-duty vehicles	2.4m	200-250k	€25k	€25k

> Fuel cell addressable market





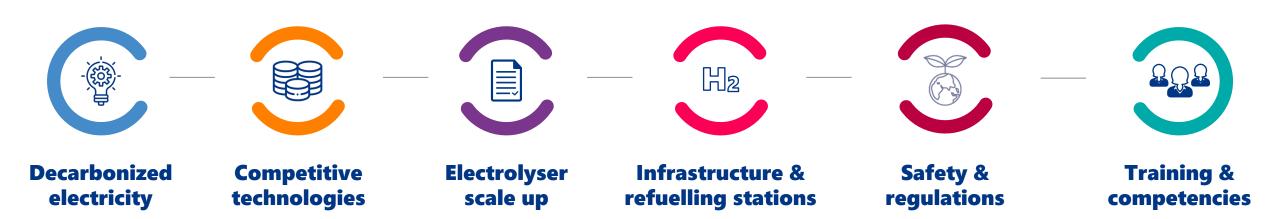
Energy costs for 100km in 2030

PRIMARY RECHARGING COSTS ENERGY NEED DISTRIBUTED ELECTRICITY TO DRIVE 100KM ELECTRICITY COSTS AT HOME HIGH POWER (for a passenger car/LCV) **COSTS** (with taxes) (with taxes) **Average** mix in **3,75€** average EU – peak hours From 6€ to 13€ **Europe 2,3€** France – off peak hours 50€/MWh **BEV TOTAL COST** H2 Cost of the AT THE STATION **Electrolysers*** transportation* station* (without taxes) 17kWh **Best** renewable cost in **Europe** 20€/MWh **FCEV Cumulated** 1,7€ 1€ 1 to 2€ 3,7 to 4,7€



^{*} Sources: Faurecia & Hydrogen Council

The challenges to overcome



Consistency and synchronization are main drivers for success



