

HYVIA PRESENTS MASTER CITY BUS H2-TECH AT THE SALON DES MAIRES, FRANCE: FIRST HYDROGEN-POWERED URBAN MINIBUS IN EUROPE



- For the second year, HYVIA participates at the « Salon des Maires et des Collectivités Locales », from 22 to 24 November at Paris Expo - Porte de Versailles.
- HYVIA presents Master City Bus H2-TECH, the first hydrogen urban minibus in Europe, on the Renault Group booth B34 in Hall 3: this zero-emission urban minibus can carry up to 15 passengers with an autonomy of about 300 km and 5 minutes refueling time.
- Manufactured in France and on the road by mid-2023, this minibus is already referenced by UGAP, France's leading public procurement agency.
- Moreover, the Master City Bus H2-TECH distribution network is emerging throughout Europe with partners such as PVI (France), MELLOR (Sweden, Norway and Finland), TRIBUS (Germany, Netherlands, Denmark, Belgium and Luxembourg) and QIBUS (Italy).
- With first customers such as: RATP Dev, a major player in passenger transport in Europe, B.E. GREEN, a pioneer in zero-emission bus rental in France, MILLA, a pioneer in autonomous buses in France, and STROOMLIJN, a public transport specialist in the Netherlands.

“Since its creation in June 2021, HYVIA has been at the “Salon des Maires et des Collectivités Locales”, which brings together the largest number of elected officials and territorial players all working daily on the management and development of territories in France. The hydrogen mobility sector is progressing fast. And HYVIA is accelerating. HYVIA, a company based in France, presented a hydrogen van at the Paris Motor Show that is now on the roads of France and Europe. And Europe's first hydrogen-powered urban minibus, which we are presenting at this show, will be on the road by mid-2023.”

David Holderbach, CEO HYVIA

Technical data: Zero emission, 5 minutes of refueling time and 300 km autonomy

- With a 300 km autonomy, Master City Bus H2-TECH can carry up to 15 passengers (9 seated, 6 standing) with easy and safe access for people with reduced mobility.
- The vehicle has an integral low floor for maximum accessibility for all passengers.
- Master City Bus H2-TECH is equipped with a 30 kW fuel cell, a 33 kWh battery and a tank containing 4.5 kg of hydrogen at 350 bar.
- It meets the needs of companies, municipalities and local public services committed to low-carbon mobility.
- For more information: <https://www.hyvia.eu/vehicle/master-city-bus-h2-tech/>

Renault Master City Bus H2-TECH (*)

Dimensions & Configuration		Powertrain & H2 system & Weight & Performances	
Length	6 225 mm	Type	Traction
Cabin width with/without mirrors	2 470/2 070 mm	Electric motor	Renault
Height	2 750 mm	Power / Torque	57 kW/225 Nm
Front overhang	869 mm	Lithium-Ion battery capacity	33 kWh
Wheelbase	4 332 mm	Battery voltage	400 V
Rear overhang	1 040 mm	Onboard charger	7 kW
Floor height Front/Rear	250/350 mm	Fuel Cell power	30 kW
Internal height Front/Rear	1 900/1 800 mm	Embedded hydrogen	4,5 kg
Ground clearance	170 mm	H2 tank pressure	350b
Internal width	1 765 mm	GVW	4 500 kg
Total turning radius	16,2 m	Front axle capacity (min / max)	1 650 kg / 1 850 kg
Turning radius between sidewalk	15,7 m	Rear axle capacity (min / max)	1 500 kg / 2 800 kg
Suspensions Front/Rear	mechanical with Independent wheels	Payload	1 050 kg
Types Front/Rear	235/75 R16	Vehicle range	up to 300 km
9 seated passengers + 6 standing passengers + driver		H2 refuelling time	5 min
7 seated passengers + 4 standing passengers + 1 wheelchair + driver		Max battery charging time	5 hours
Specific wide windows (10m2)		Max speed	70 km/h
Electric plug 32A		H2 consumption (without A/C & Heating system)	2 kg H2/ 100 km
Hydrogen refuelling plug @350b compatible 700b (max flow 60g/sec)		Max slope starting capacity (Empty/GVW)	20% / 15%
Basic equipment		Options	
ABS / Drivers airbag / ESP		Additional air conditioning system for passengers	
Double electric sliding door with anti-pinch system		Anti-fog lights	
Specific area for the front destination sign		Reverse camera & radar	
Suspended driver seat		Destination signs (Front + lateral + rear)	
Hill start system		Electrical predispositions	
Electric heating system for driver & passengers		Passengers counting system	
Driver's air conditioning system		Control video system	
Heated rear-view mirror		Internal screen for passengers	
Onboard computer & Radio R&GO		Extended audio system	
Fog maker system		Passenger ticketing system	
Bus stopping sign		Bicycle alarm system	
Roof mounted continuous lighting strips		USB kit for passengers	
Manual flip ramp to side entrance		FMS plug	
Specific wheelchair area		Driver's glass protection & Cash drawer	
Non slip vinyl walkway floor covering TBC		Specific covering or painting	
Charging cable 32A - 6m		Tachograph & Breathalyzer	

* Provisional data

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About HYVIA

“HY” for hydrogen, “VIA” for road: HYVIA paves a new way forward for carbon-free mobility, with hydrogen mobility solutions. Created in June 2021, HYVIA is a joint venture equally owned by Renault Group, a dominant player in the automotive industry, and Plug, a world leader in turnkey hydrogen and fuel cell solutions. Based in France, for European markets, HYVIA offers a complete and unique ecosystem that includes light commercial vehicles with fuel cells, hydrogen refueling stations, supply of carbon-free hydrogen, services for financing and maintenance of fleets.

<https://www.hyvia.eu>

About Renault Group

Renault Group is at the forefront of a mobility that is reinventing itself. Strengthened by its alliance with Nissan and Mitsubishi Motors, and its unique expertise in electrification, Renault Group comprises 4 complementary brands - Renault, Dacia, Alpine and Mobilize - offering sustainable and innovative mobility solutions to its customers. Established in more than 130 countries, the Group has sold 2.7 million vehicles in 2020. It employs more than 111,000 people who embody its Purpose every day, so that mobility brings people closer. Ready to pursue challenges both on the road and in competition, Renault Group is committed to an ambitious transformation that will generate value. This is centred on the development of new technologies and services, and a new range of even more competitive, balanced, and electrified vehicles. In line with environmental challenges, the Group’s ambition is to achieve carbon neutrality in Europe by 2040.

<https://www.renaultgroup.com>

About Plug

Plug is building the hydrogen economy as a global leading provider of comprehensive hydrogen fuel cell turnkey solutions. Plug has deployed over 50,000 fuel cell systems, designed, and built 165 refueling stations that dispense more than 70 tons of hydrogen daily, and is a technology leader in green hydrogen solutions via electrolysis. Present in Europe for more than 10 years, Plug has significant references in hydrogen mobility with key European industrials, logistics customers and vehicle manufacturers. Plug installed several PEM technology electrolyzers in Germany, France, The Netherlands, and Portugal. The company has deployed more fuel cell systems for electromobility than anyone else in the world.

<https://www.plugpower.com>