



HYFUCEN

Meet the new Hyfucen

Groundbreaking. Emission-free. The Hyfucen is all those things, thanks to its innovative way of powering the automobile. Hyfucen is the heart and soul of the whole hydrogen fuel cell movement. Hyfucen's hydrogen fuel cell is the industry-leading technology, offering seamless integration of its hydrogen fuel cell engine. People everywhere see in Hyfucen the start of something truly new and improved. Ready to join them?





Emerging Technology

Hyfucen represents a radical departure from vehicles with conventional internal combustion engines. Like battery-electric vehicles, Hyfucen is propelled by an electric motor. But while battery electric vehicles use electricity from an external source, fuel cells onboard the Hyfucen create electricity through a chemical process using hydrogen fuel and oxygen from the air.

Distinctively Stylish

With its sweeping and dynamic design, the Hyfucen exudes fresh confidence and energy. The short bonnet, teardrop headlamps, flared wings, and coupé-style roof give the Hyfucen a powerful, streamlined presence on the road, while the 3-door version boasts coupé-style doors and a sleeker, sportier rear.





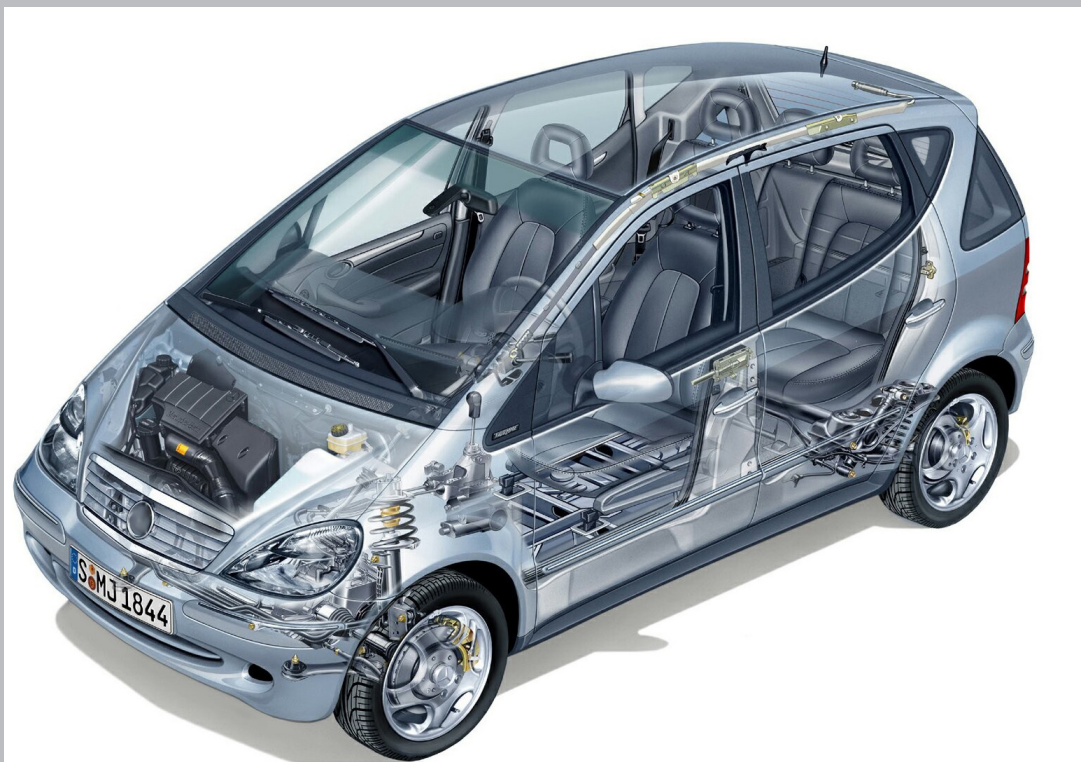
The Hyfucen is both compact and versatile. The raised driving position continues to give superior visibility and spaciousness, while the rear passengers sit higher and comfortably, with almost 10 m of added shoulder and elbow room.





The revolutionary sandwich concept ensures that the Hyfucen offers a level of passenger protection unparalleled in a compact car. The passenger safety cell is made up of a complex system of strengthened beams and strong contacts, while seats are positioned 20 cm higher than most cars, keeping passengers above the critical impact zone. During a frontal collision, the engine and transmission intelligently slide beneath the passenger cell rather than into the vehicle towards the passengers.

How the engine works

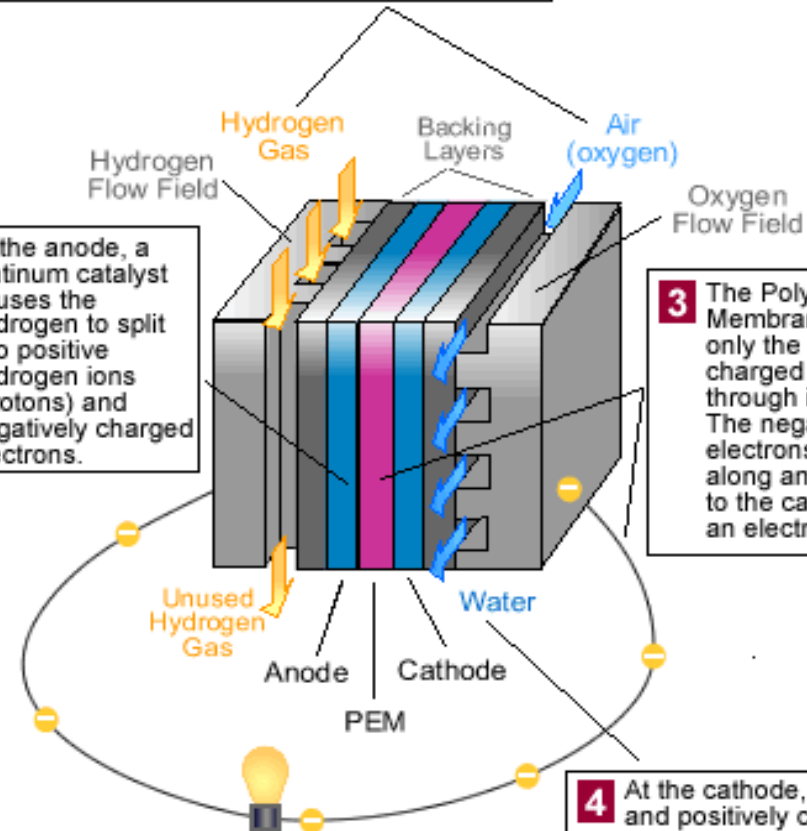


1 Hydrogen fuel is channeled through field flow plates to the anode on one side of the fuel cell, while oxygen from the air is channeled to the cathode on the other side of the cell.

2 At the anode, a platinum catalyst causes the hydrogen to split into positive hydrogen ions (protons) and negatively charged electrons.

3 The Polymer Electrolyte Membrane (PEM) allows only the positively charged ions to pass through it to the cathode. The negatively charged electrons must travel along an external circuit to the cathode, creating an electrical current.

4 At the cathode, the electrons and positively charged hydrogen ions combine with oxygen to form water, which flows out of the cell.



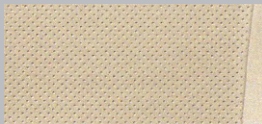
Exterior Colors



Standard 15-in. alloy wheel



Touring 16-in. 7-spoke wheel



Bisque



Leather Bisque



Dark Gray



Leather Dark Gray



Screaming Yellow



Magnificent Green



Electric Blue



Scarlet Red



Sparkling Silver



Midnight Black



Misty Dark Grey

Wheels, Fabric/Leather



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