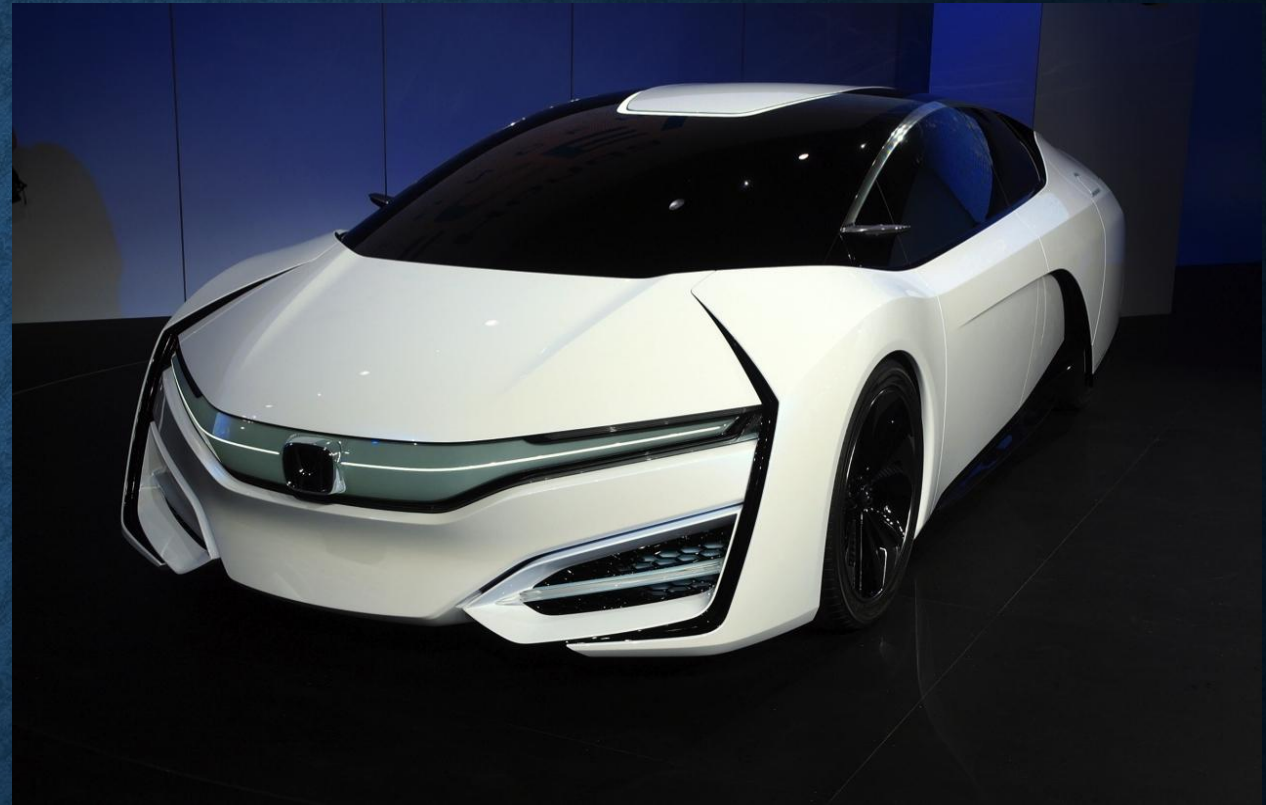


Hydrogen-powered cars.





Tesla Model S
Electric car



Honda FCEV
(Fuel Cell Electric Vehicle)



The Aston Martin Hybrid Hydrogen Rapide S race car
For further information visit www.astonmartin.com/media
May 2013



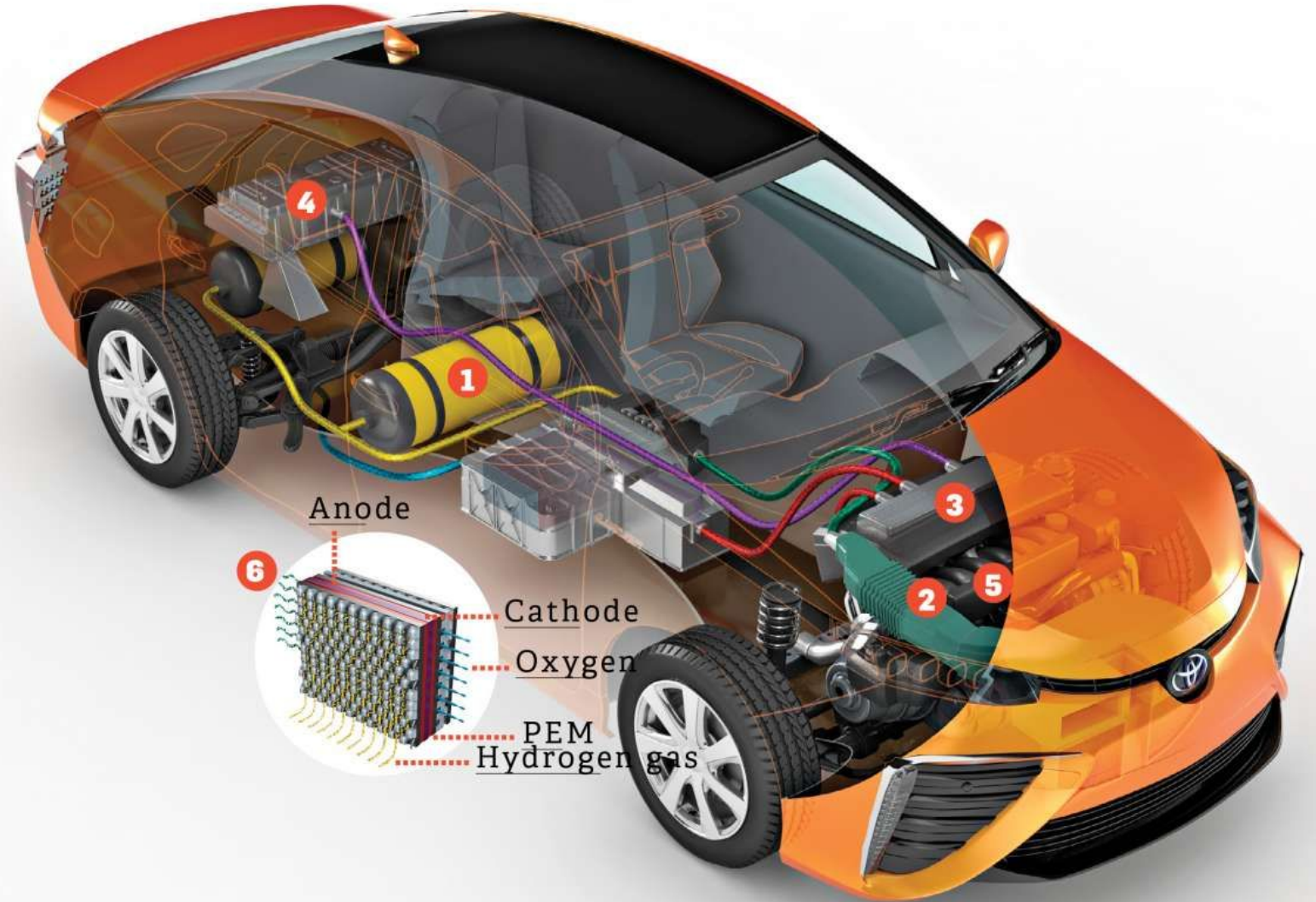
ASTON MARTIN

TOYOTA MIRAI



HOW IT WORK?

- 1. Hydrogen Tank
- 2. Airflow
- 3. Power Control Unit
- 4. Battery
- 5. Electric Motor
- 6. Fuel Cell



THE MAIN ADVANTAGES:

- make no noise
- high ecological
- reduced vehicle weight and increases the useful volume of baggage compartments
- high efficiency
- the cheapest fuel



THE MAIN DISADVANTAGES OF THE ENGINES ON HYDROGEN

- expensive hydrogen fuel cells
- needs in powerful batteries and current transducers(weight gain)
- high fire danger(for traditional engine)
- Special storage conditions





- The advantages and disadvantages of cars with engines on hydrogen can be treated differently. But one thing is certain: the research in this area will continue.