

PEUGEOT TO MARKET AN ELECTRIC VEHICLE IN 2010



The PSA Peugeot Citroën Group is accelerating its electric propulsion development projects through targeted partnerships. These actions will see Peugeot electric vehicles on the market by the end of 2010.

World leader in environmentally-sensitive vehicles with sales of over one million cars – each **emitting less than 130g of CO₂ per kilometer**, the *PSA Peugeot Citroën Group* continues to pursue its strategy of research and development through breakthrough technologies which will result in significant CO₂ reductions.

With over 10,000 electric units sold between 1995 and 2005, **PSA Peugeot Citroën**, the world's top manufacturer of electric vehicles, has just signed on with **Mitsubishi Motors Corporation** to **jointly develop electric vehicles destined for Europe, based on the Japanese car maker's iMiEV model**. This 4-door urban vehicle with room for up to 4 passengers promises an autonomy of about 150 km, thanks to its lithium-ion batteries. Marketed under the Renault brand name, it hails an initial step in the "lion insignia's" return to the electric vehicle.

Moreover, **in October 2008, the group wrapped up a partnership with EDF** focused on battery technology, charging systems, and the vehicle-charging infrastructure interface, along with associated economically viable business models.

In the area of plug-in hybrid rechargeables, *PSA Peugeot Citroën* is pursuing research towards a vehicle with an autonomy hovering around 50 kilometers, compatible with most daily car use requirements, and that can be recharged during its various stops (workplace, residence, parking areas, shopping malls). The vehicle carries a thermal combustion back-up engine to take over motorization during longer-distance travel.

Parallel to its strategy favoring the electric vehicle, *PSA Citroën* has confirmed that its priority technology decisions are pointed towards **promising new ideas, such as the 2nd generation Stop & Start, and the development of a hybrid diesel**, baptized HYbrid4. The **2nd generation Stop & Start** will be widely available in 2010 models. In 2011, the *Peugeot 3008 HYbrid4* will be the group's first vehicle to benefit from hybrid technology, and will be followed later on by the *Citroën DS5 HYbrid4*.

Hybrid4 technology will unite the **low fuel consumption of the group's diesel HDi motors** on thoroughways and freeways with **electric traction**, better adapted to shorter urban trips. With its integration of the Stop & Start and *FAP* (Particle Filtration) systems, both **a reduction in fuel use and a gain in emission reductions on the order of 35% are possible**.

HYbrid4 design optimizes drive chain power transmission owing to the situation of **its electric motor over the rear axle**. The electric motor drives the rear wheels, while the front wheels are powered by the thermal combustion engine, offering an **all-new form of 4-wheel drive**.

