



PSA PEUGEOT CITROËN

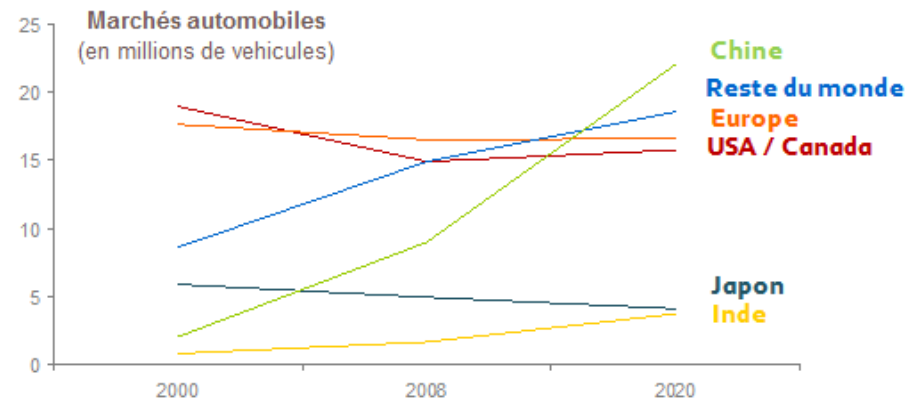
CONAMA 2014 Innovación en la automoción

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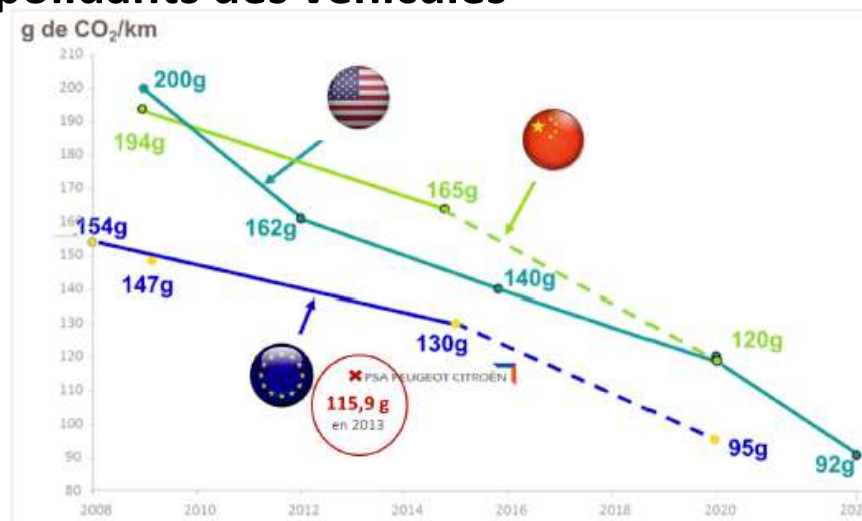
Automobile et environnement : deux priorités

- 1 **Limitier le réchauffement climatique, en réduisant les émissions de CO₂** (gaz à effet de serre), action rendue d'autant plus nécessaire par la croissance du parc mondial

✓ **Diminuer la consommation** des véhicules en optimisant leur efficacité énergétique



- 2 **Réduire la pollution locale (améliorer la qualité de l'air) en limitant les émissions de polluants des véhicules**



The need for a sustainable and responsible mobility

► **mobility needs**

- vehicle ⇔ individual freedom
- A key factor for economic and social development



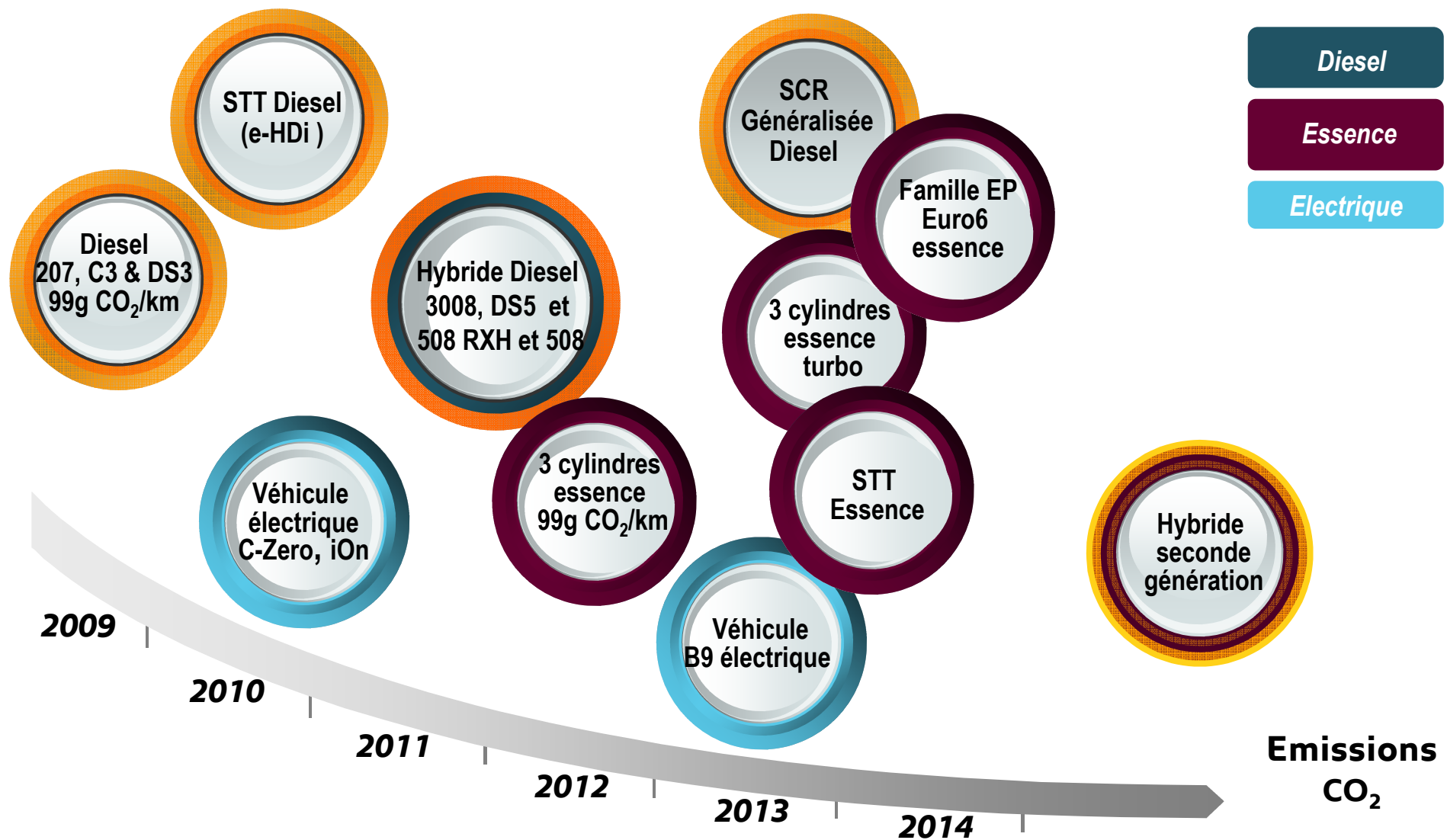
► **environmental impact**

- Automotive transportation
=
Source of Green House Gases

PSA Peugeot Citroën strategy : " A clean car for each customer"

→ *Powertrain technology is a key player to secure the CO₂ route*

PSA strategy: a clean car for each customer



Market share of hybrid and electrical vehicles will be close to 15 % in Europe in 2020, with petrol getting closer to Diesel in internal combustion engines.

PSA electric offer: urban mobility with no emissions



Diesel Hybrid components

- ▶ **200 hp**
- ▶ **88 g/km CO₂**
- ▶ **3,4 l/100 km**
- ▶ **4WD**

3 Hybrid Powertrain management unit

4 Power Electronics (Inverter & DC/DC)



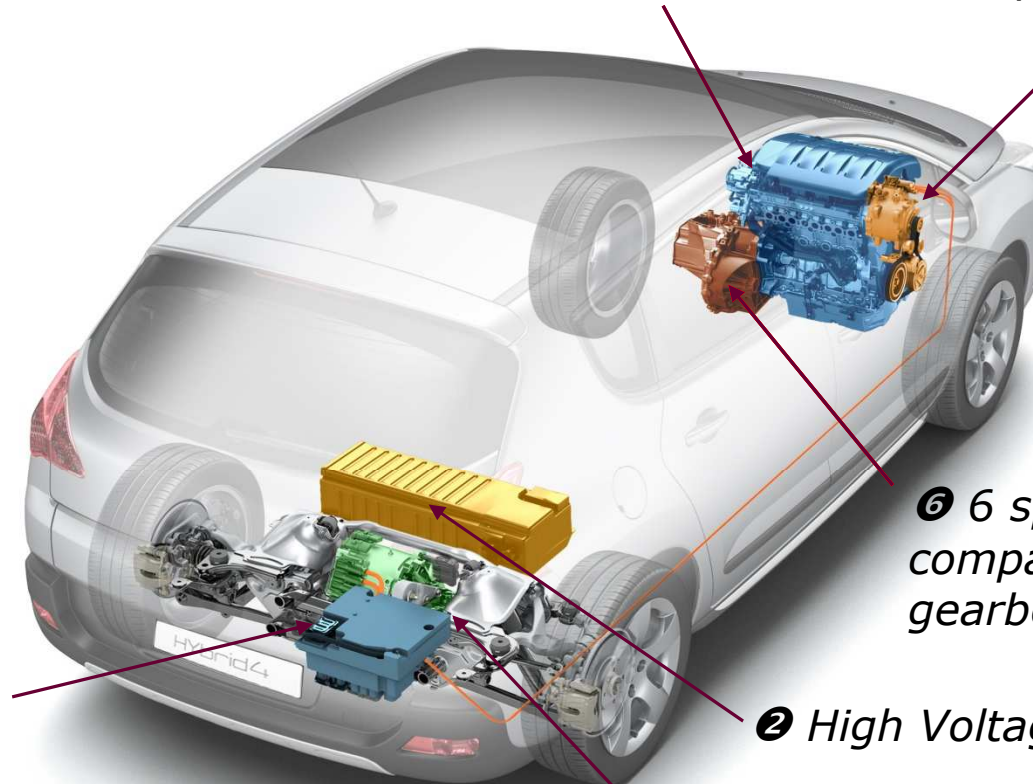
7 120 kW, 2.0l HDi with DPF

5 8 kW High Voltage Stop&Start

6 6 speed manual compact automated gearbox

2 High Voltage Battery (NiMh)

1 27 kW electrical rear axle



Global environmental optimisation achieved on the whole vehicle

New 1,2l EB PureTech
+gear set optimization :

-17% / -25g CO₂/km

Micro-hybrid :

(STT + Electrical Management)

-6g CO₂/km

Aerodynamic :

-2dm² / -1gCO₂/km



Rolling resistance :

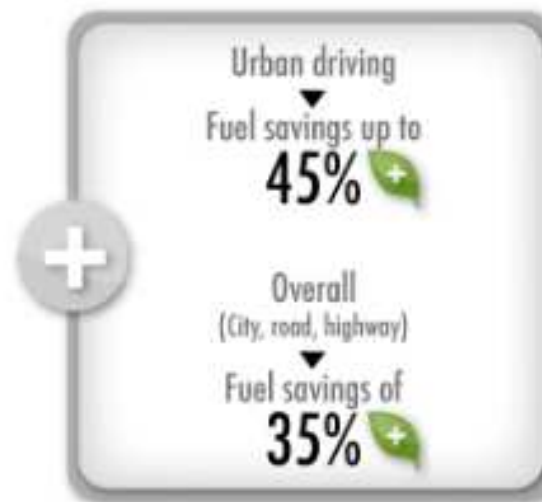
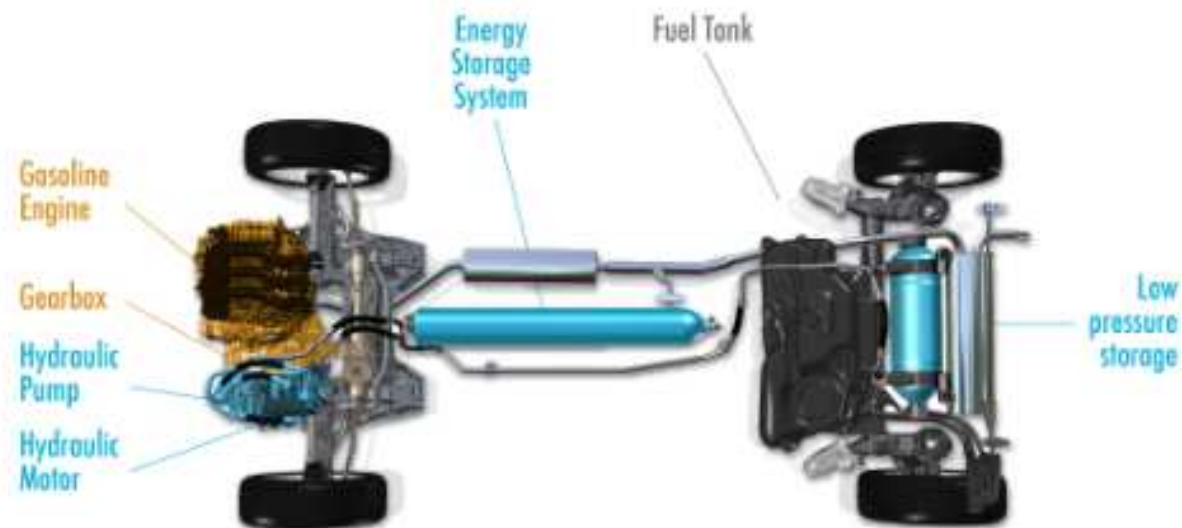
-10% / -2g CO₂/km

Vehicle weight :

-140 kg / -6g CO₂/km

➔ 40g / km CO₂ of total gain between the new 308 1,2l EB Turbo PureTech BV6 and the previous 308 1,6l N.A.

Hybrid Air: innovating full hybrid Petrol engine



System automatically selects
the most efficient mode to each situation

Hydole: Petrol Plug-in Hybrid

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 **HY**dole

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GRACIAS