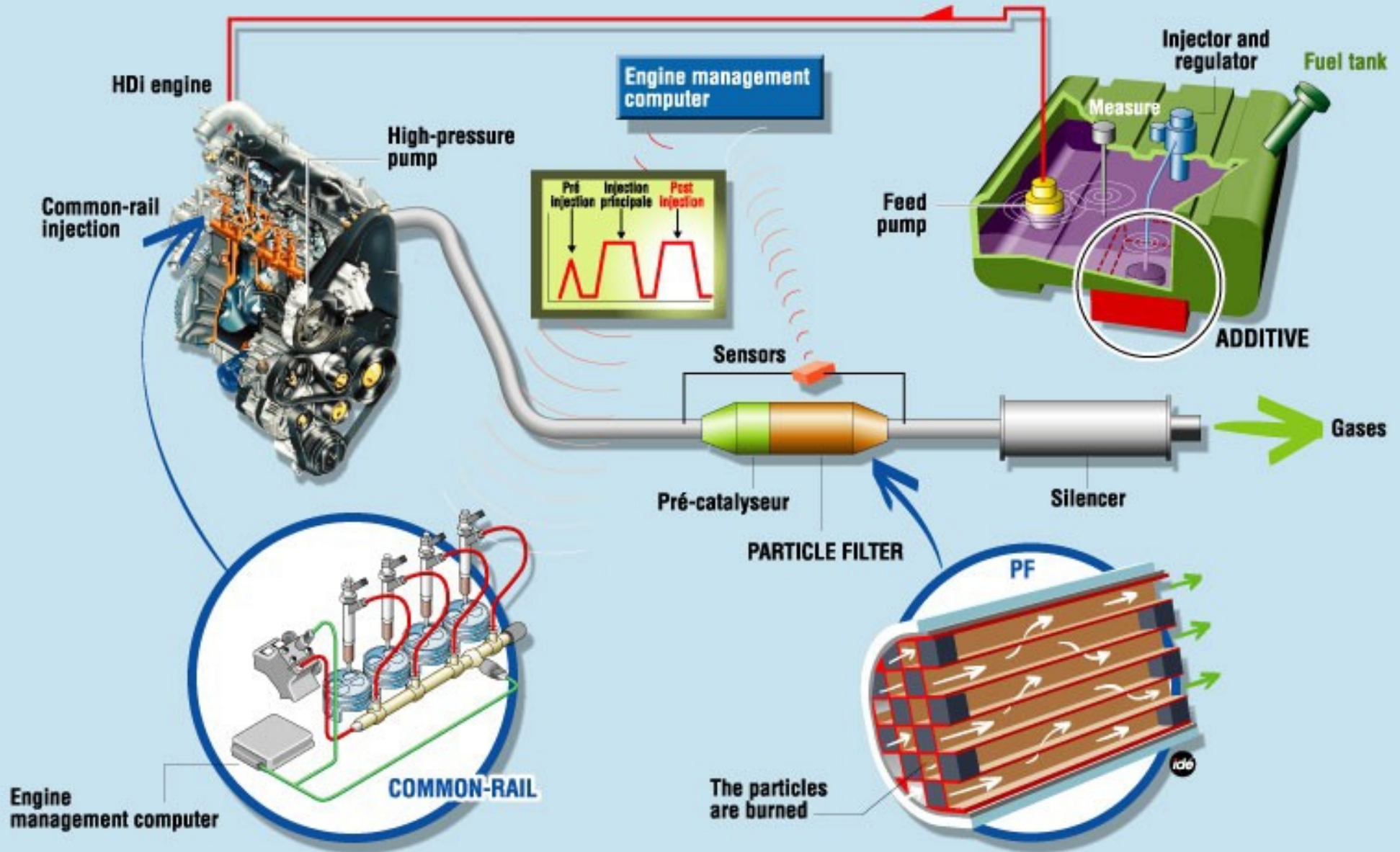


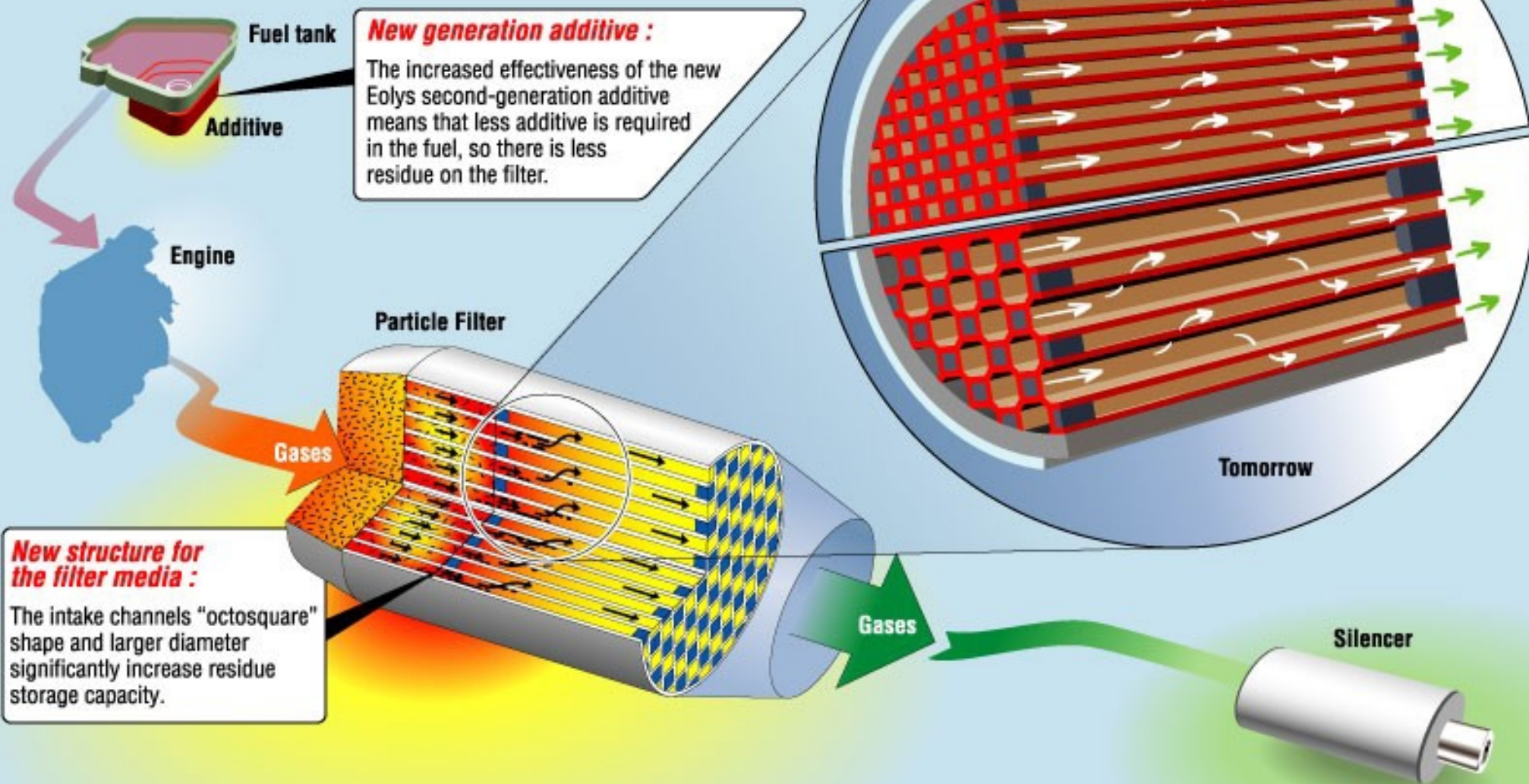
# The Particle Filter System



# The Particle Filter Without Servicing

PSA PEUGEOT CITROËN

Soon, no servicing will be required before 250,000 km, thanks to improvements in the additive and filter media.





**PSA PEUGEOT CITROËN Particulate Filter :  
Technical Description**

**The system comprises:**

➤ **A filter medium:**

Supplier: Ividen

Material: Silicon carbide

Cell density: 200 cpsi – Wall thickness: 0.4 mm

Length: 250 mm - Diameter: 144 mm – Volume: 4.15 l

Filtering effectiveness: Nearly 100% in all driving conditions

Lifespan: approx. 120,000 km depending on the vehicle

Purpose: Filters particulates

➤ **An additive to enhance regeneration**

Supplier: Rhodia

Type: Iron and cerine-based Eolys 176

Purpose: Injected regularly into the fuel tank to lower the temperature and speed up soot combustion

➤ **A dosing pump**

Supplier: Marwall

Purpose: Manages injection of the additive into the fuel

➤ **An additive injection computer**

Supplier: Magnetti Marelli

Purpose: Manages injection of the regeneration additive into the fuel

➤ **An additive storage tank**

Capacity: 5 liters

➤ **A temperature sensor**

Purpose: Manages priming of the oxidation catalyst

➤ **A pressure sensor**

Purpose: Monitors buildup in the particulate filter

➤ **Specific engine monitoring and control software**