

First contract for Water Injection, an innovative emissions control system for gasoline engines

Plastic Omnium has just won the first contract to mass-produce, for a premium European carmaker, its innovative "Water Injection" system.

Water Injection technology reduces the emissions of gasoline combustion engines. Water is injected into the combustion chamber to cool the air-fuel mixture, thus reducing CO₂ emissions by up to 15%, whilst improving engine efficiency and performance by 10%.

Plastic Omnium's Water Injection solution, originating in the Group's expertise in SCR emissions control systems for diesel engines, is a complete system made up of the tank, gauge-pump module, and control electronics which manage the system, interacting with the engine. 58 patents have been taken out on this technology.

The Water Injection system complements Plastic Omnium's offering in the area of emissions control systems and energy storage for all kinds of engines. Following its recent successes in hydrogen, Plastic Omnium is thus consolidating its position as a key player in energy transition and clean transport.