In 1951, Bosch launched gasoline direct injection and has been the technology’s trailblazer ever since. It is the key to efficient and economical engines featuring reduced fuel consumption and emissions, with enhanced driving dynamics.

Engines with direct injection generate the air-fuel mixture in the combustion chamber itself. The Bosch portfolio includes fuel supply, fuel injection, air management, ignition, engine management, and exhaust-gas treatment.

Gasoline direct injection delivers improved responsiveness and more dynamic handling due to an increase in torque at low engine speeds (high low-end torque). It provides increased efficiency at the same power output due to downsizing and turbocharging.

Key technology with great potential

**dynamic**

- Improved responsiveness and more dynamic handling due to an increase in torque at low engine speeds (high low-end torque)

**efficient**

- Reduced fuel consumption and CO2 emissions at the same power output due to downsizing and turbocharging