

AVL ECO TARGET

A developed diesel mild hybrid car

Vehicle Specifications

- Downsized engine (60 kW ICE, 10 kW E-Motor)
- Transmission integrated e-drive
- Torque assist during shifting
- Low CO2 concept (98 g/km in NEDC, ITW 1350 kg)
- Specific NOx reduction strategies
- Boost function, regenerative brake, start/stop

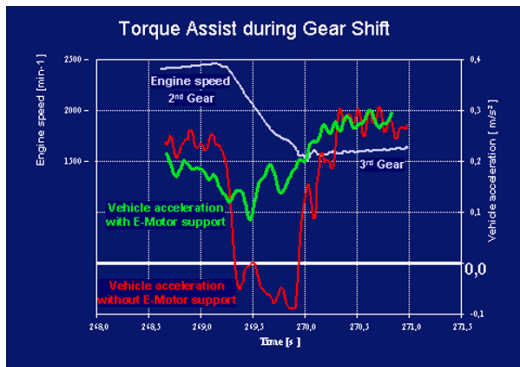


Main Specifications

Engine	Type	HSDI Diesel Engine
	Displacement (cc)	1,200
	Max output (kW)	60
	Max torque (Nm)	190
Motor	Type	Asynchronous
	Max power (kW)	20
	Max torque (Nm)	50
Battery	Type	Ultracap
	Capacity (F)	150
	Nominal voltage (V)	42
Transmission		6-Speed AMT
Drive System		2WD (FR)



A Specific Result



AVL Workspace

- Concept definition and vehicle simulation
- Hybrid Control Unit (HCU) development
- Component specification and test
- System integration
- Vehicle calibration and optimization

Project Partner



Hybrid System Overview

