ONE-STOP E-AXLE SYSTEM

A highlight in Schaeffler’s portfolio of electrified powertrains: the 3in1 electric axle system complete with electric engine, transmission and power electronics. A further increase in efficiency is achieved through modular extension with an Integrated Coolant System as well as add-ons such as Decoupling Units and Smart Hydraulics. Optional two-speed solutions further increase max launch torque at axle and max vehicle speed.

POWERTRAINS REINVENTED

Hybrid electric powertrains become more efficient and powerful thanks to fully variable valve train systems and a perfectly matched hybrid transmission.

Dedicated Hybrid Powertrain
For higher recuperation, fuel efficiency and reduced emissions

20 % increase in efficiency due to hybridization and additional 2 % increase due to efficiency optimization of the combustion engine

Euro 7
Prevents oxygen flow to the catalyst in coast mode

HIGHER EFFICIENCY AND PERFORMANCE

Integrated Coolant System
Efficient regulation of all vehicle cooling circuits
Rotary slide valves with step-by-step control for adequate volume flow control
Extends range of battery-electric vehicles (BEV)

Smart Hydraulic Actuator
Highly integrated and efficient powertrain component
Thermal management: handling of complex cooling functions
Further functions e.g. in decoupling, oil circuit or parking lock

GREENER, FASTER, FURTHER

The whole spectrum of electrification.

To meet future consumption and emission targets, we already offer today a wide range of products ready for series production – from 48-volt hybrids and plug-in hybrids to technologies for all-electric vehicles.

WEB PIONEER MOTION

We pioneer motion

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