

Electrified axle

Smart electrification solution for trailers and commercial vehicles

Powertrain systems and electrified mobility



Resource-saving operation of cooling and other auxiliary units

When cooling units are operated using energy generated by the electrified axle, there is no fuel consumption and no CO₂ emissions are produced.



Energy recovery

The electrified axle recovers energy during braking or downhill driving which can then be used for a variety of applications.



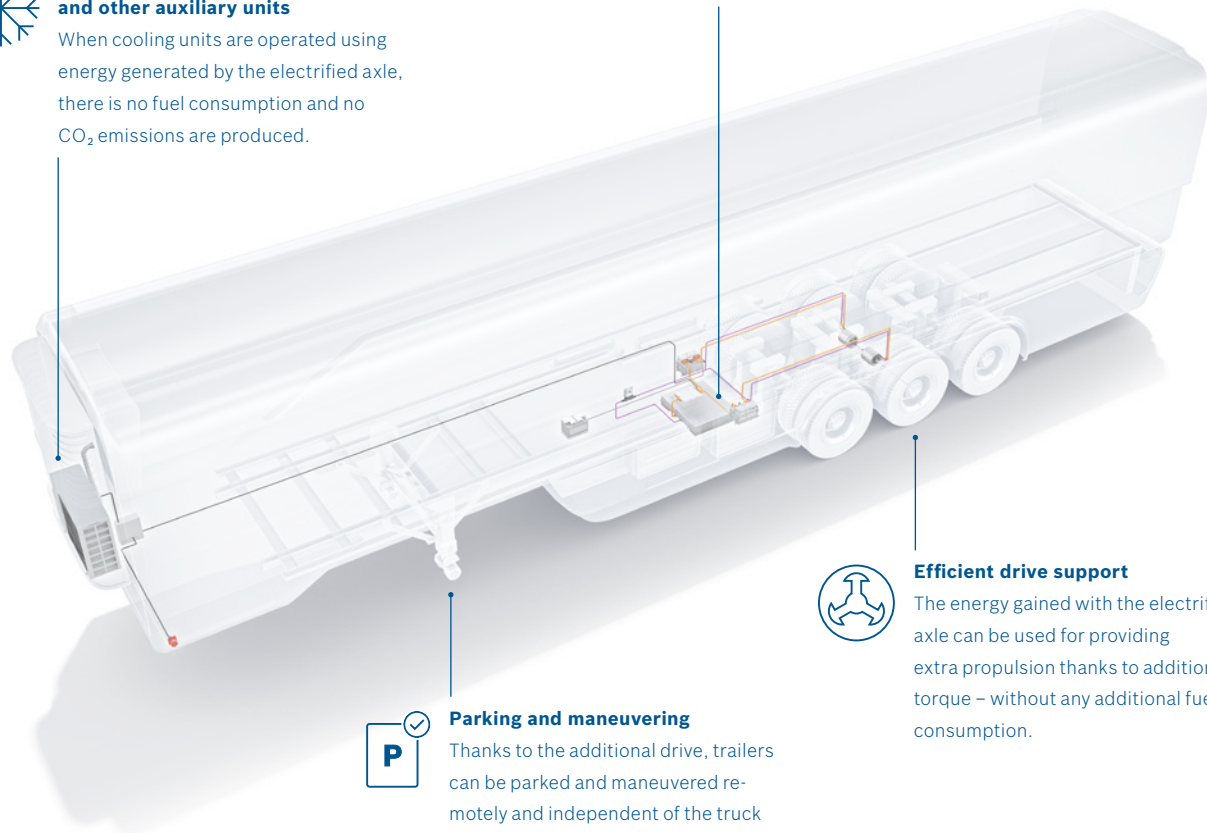
Efficient drive support

The energy gained with the electrified axle can be used for providing extra propulsion thanks to additional torque – without any additional fuel consumption.



Parking and maneuvering

Thanks to the additional drive, trailers can be parked and maneuvered remotely and independent of the truck in depots or port facilities.



high efficiency

and high power density of the electric motor

complete system

Bosch supplies complete electric motor solutions or just the active parts for integration in the axle as well as inverter and vehicle control unit.



Bosch is energizing the powertrain and electrifying commercial vehicles. By electrifying the trailer axle, Bosch is demonstrating how practical and resource-saving e-mobility can already be in commercial vehicles today.