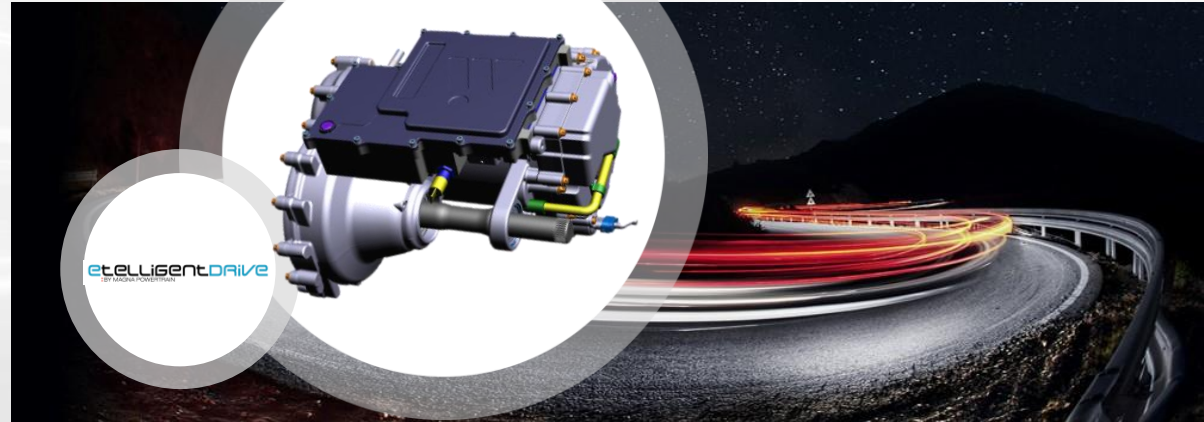


eDS – electric Drive System

Power and functionality; versatility is the game here with an electric drive for both Primary and Secondary (eAWD) propulsion applications.



Features and Specifications

- Up to 180kW for 10sec with 3,700Nm at the wheels
- External coolant cooling including moto rotor
- Fulfills safety integrity level ASIL “C”
- Can be applied to hybrid and battery electric vehicles
- System Mass: 100 kg

Core Technology

Inverter

- Optimized design for integration
- Integrated actuator control
- Rating_{Peak} 470V_{dc} / 585A_{rms}

Gearbox

- Compact single speed gearbox
- Offset and coaxial architecture available

- Optional park lock or disconnect
- Optimized NVH behavior

E-Motor

- Optional ASM or PSM technology
- Continuous Power; 68kW / 185Nm
- High speed up to 18,000rpm

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production