

eDS – electric Drive System Low HE

High-voltage complementary eDrive system for electric AWD. Power range from 80 kW to 120 kW, optimized for 800 V.



Cleaner



Electrification



Autonomy



Driving Dynamics

Competitive advantage/differentiators

- **Efficiency**
Highly efficient inverter with SiC technology
Lowest drag losses by new decoupling system
- **Safety & dynamics**
Enabling longitudinal torque vectoring
- **Package & weight**
New differential-integrated decoupling system
Very compact high-speed e-motor
- **Sustainability**
Carbon-free manufacturing in EU plants
Reduced usage of heavy rare earth content

Applications/benefits

- Battery electric vehicles
- C,D, E segment vehicles
- Secondary propulsion
- Boost & regeneration modes

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production