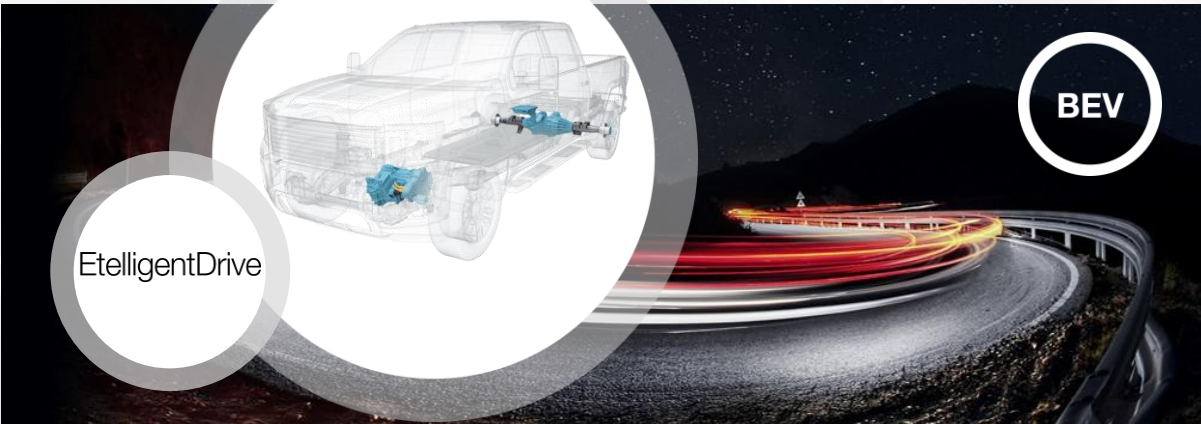


Magna EtelligentForce

Magna EtelligentForce is a battery electric 4WD powertrain system for passenger trucks and light commercial vehicles, designed to maintain the full capabilities of these vehicles with uncompromised payload and towing.



Complete powertrain solution with best-in-class functions

Front Electric Drive System

- eDS Mid+ w/ Decoupling

Software/Controls

- Drive controller
- Operating strategy
- Optional decoupling strategy

Rear Electric Drive System

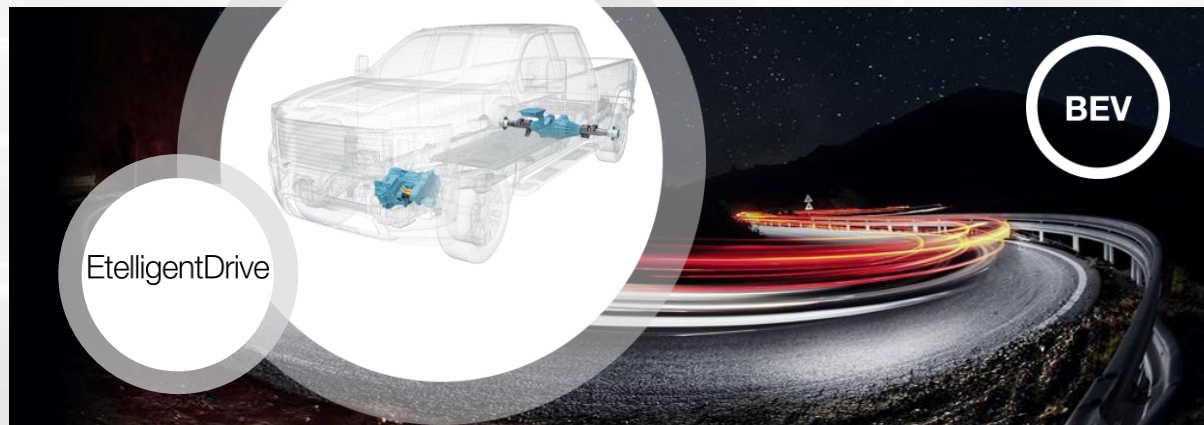
- eBeam High



		X Required for BIC Functionality	Covers all Real World Driving Situations			
			BIC Efficiency	BIC Safety	BIC Dynamics	BIC Convenience
Vehicle Sub Functions	Longitudinal	Launch - Accelerate		X	X	X
		Steady State - Sailing	X			X
		Brake - Regenerate	X	X	X	X
		Traction		X	X	X
	Lateral	Stability		X	X	X
		Handling		X	X	X
	Options	Decoupling	X	X	X	X
		Park-Lock		X		X

Magna EtelligentForce

Magna EtelligentForce is a battery electric 4WD powertrain system for passenger trucks and light commercial vehicles, designed to maintain the full capabilities of these vehicles with uncompromised payload and towing.



Features and Specifications

Rear Axle Electric Drive Unit Magna eBeam

- Peak axle power: up to 250 kW¹⁾
- Peak axle torque: 10,000 Nm²⁾
- Ratio rear axle : 12,67

Front Electric Drive Unit

Magna eDS Mid+ w/ Decoupling

- Peak axle power: up to 170 kW
- Peak axle torque: 3,770 Nm
- Ratio front axle 11,720

Magna Operating Control Software

Competitive advantage/differentiators

- **Efficiency**
Decoupling capability of front axle
- **Safety**
Robust coaxial beam axle design
- **Convenience**
Uncompromised 14,500 pounds towing capability
- **Dynamics**
Up to 430 kW peak power

Applications/benefits

- **Vehicle Integration**
Totally customizable w/o need for architectural changes

¹⁾ A-sample application limitation to 220 kW for 30 s for protection reasons

²⁾ A-sample application limitation to 7,500 Nm for protection reasons

