ELAPHE[™] DISTRIBUTED DRIVE **SOFTWARE IN TOUCH WITH THE ROAD**



Unlocking > 95 % system efficiency where it matters



Maximized system efficiency through optimization in energy use, space and weight

Premium controllability with high bandwidth and 6 degrees of freedom

Digital nature for virtual sensing and software-defined performance

CONVENIENCE

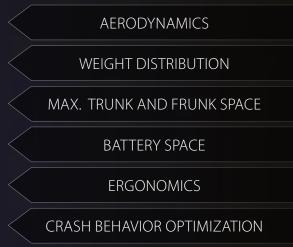
SAFETY

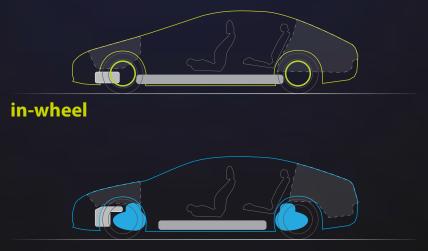
SW-DEFINED VEHICLE DRIVING CHARACTER

DESIGN FREEDOM

Elaphe in-wheel architecture enables new vehicle platforms by removing constraints.







e-Axle

- * Elaphe architecture gives you up to 140 liters of frunk space, compared to 90 liters in most competitive models.
- ** Elaphe in-wheel system frees up space for up to 30 % more battery capacity.

MORE VEHICLE SPACE:

- Luggage space in the front and in the back*
- Space for additional battery capacity**
- More cabin space



SUPERIOR EFFICIENCY:

- ▶ 7 11 % range increase
- 15 20 % better efficiency in cold conditions
- > 95 % peak system
 efficiency

SOFTWARE-DEFINED VEHICLE CHARACTER

UPDATABLE

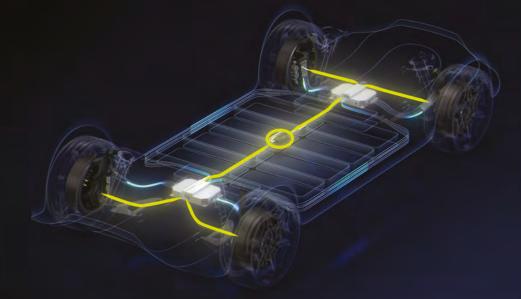
Minimum hardware constraints, OTA updates

ULTRA RESPONSIVE

ADAPTIVE

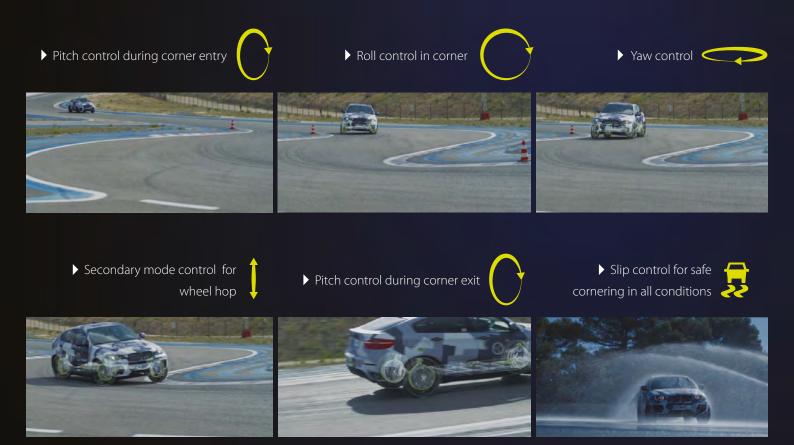
5x faster torque response, immediate torque direction change

Driving character adapts to environment and user data in real time



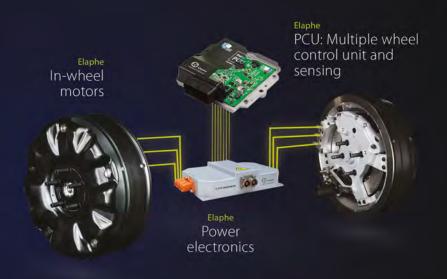
6 degrees of control freedom

High-bandwidth individual wheel control allows direct control of all 6 vehicle motion degrees of freedom, including suspension secondary modes.



WWW.IN-WHEEL.COM

IN-WHEEL PROPULSION SYSTEM



TECHNOLOGY FEATURES

Technology	Direct drive	Active part specific torque	up to 100 Nm/kg
Max output torque	up to 3000 Nm	Compact IWM	> 500 Nm/liter
Continuous output torque	up to 1750 Nm	Top output speed	up to 2700 RPM
Peak power	up to 270 kW	Continuous power	up to 110 kW
Motor efficiency	> 97 %	Rim size	14 - 21″
System efficiency*	> 95 %	Added weight	20 - 45 kg

*motor and inverter

reinvent - revolutionize - reach out



www.in-wheel.com/contact