

HUBER

AUTOMOTIVE

E-DRIVE & HYBRID SYSTEMS

MORE THAN JUST ELECTRIC

ADVANCING THE FUTURE

ALL TWINSTER PLUG-IN-HYBRID

POWERED BY HUBER AUTOMOTIVE

Conceptual design and integration of GKN ePowertrain modules for ALL-TWINSTER PLUG-IN HYBRID

This project demonstrates the integration competence of Huber Automotive in existing vehicle concepts: a vehicle with a combustion engine and front-wheel drive gets an additional electric drive on the rear axle.

HIGHLIGHTS

- Torque vectoring
- Extension to all-wheel drive
- Gateway functionality in the basic vehicle architecture to enable various special and additional functions
- Independent of charging infrastructure
- Braking energy recovery
- 400 kW "Hybrid-Electric high performance drive"
- Driving modes: Electrical, Hybrid, Combustion
- Flexible ICE charging with 18 kW generator
- Two-stage transmission





GKN ePowertrain - powered by Huber Automotive

In a Mercedes AMG GLA 45, the GKN ePowertrain combines its torque vectoring technology with electric drive powered by Huber Automotive. With this combination, each of the four wheels can be controlled individually.

The front axle is driven by a 280 kW / 381 HP gasoline engine. The electric drive is mounted on the rear axle, making torque vectoring on all four wheels possible for the first time.



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