

NEWSLETTER

BENTELER – Your System Supplier in E-Mobility

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BENTELER 
makes it happen

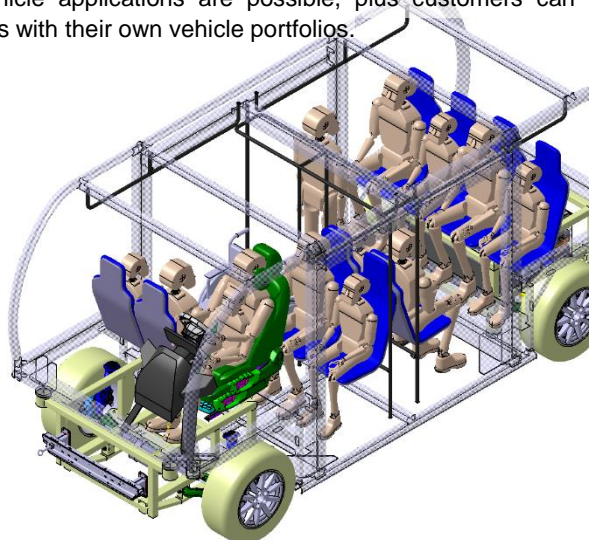


BENTELER ELECTRIC DRIVE SYSTEM. ONE PLATFORM FITS ALL: SEDAN, COUPE AND SUV

The performance of a platform isn't just measured by its flexibility with regard to scaling and modularity. Its feasibility for enabling vehicle types and different body integrations is also a factor.

The BENTELER platform, with its scalable and modular chassis and its specified hard points is optimally designed for this requirement. The solutions for the B/C segment cover wheelbases between 2500mm to 2800mm, with the D/E Segment platform it ranges from 2850mm to 3150 mm. The trackwidth covers a range of 1550 mm \pm 10 mm for the B/C Segment and 1650mm \pm 20mm for D/E. The ground clearance can also be adjusted depending on the battery module type. With this scalability, almost all vehicle applications are possible, plus customers can achieve additional volume and scale effects with their own vehicle portfolios.

Just because they are based on a platform, however, does not mean the same handling behavior for vehicle applications. Different vehicle sizes mean different vehicle dynamics and, with additional tuning of the chassis systems via steering application, bushing and damper characteristics, every vehicle application is customized to the customers brand profile.



THE NEW BENTELER PLATFORM CONCEPT FOR PEOPLE MOVERS: FLAT FLOOR DESIGN AND READY FOR ADAS LEVEL 4 AND 5.

The requirements for people movers are completely different to passenger cars. BENTELER has developed a special platform concept for people movers that is independent of the wheelbase. The BENTELER Electric Drive System Power Modules for front and rear integrate the e-powertrain into the chassis by using in-wheel motors and a special battery pack solution. With a tubular space frame, any type of body can be designed. It allows also the use of lightweight, cost-efficient plastic bodies. The concept supports ADAS Level 4 and 5 applications. BENTELER can manufacture this mover platform globally.



Dear All,

Many OEMs have set up their own platforms. With our BENTELER Electric Drive System, everyone has access to an open platform solution that's proven itself on the market. Together with our engineering services, you can customize the platform to your individual needs. With our partner Pininfarina SpA., we offer integrated body design solutions based on the platform – all in a one stop shop. Another application is the people mover. Today, the development focus lies more in autonomous driving and less in vehicle hardware. We want to fill this gap with our innovative mover platform, enabling future mobility solutions.

Regards,
Marco Kollmeier

For further background about our e-mobility solutions please visit our website: www.benteler-automotive.com/e-mobility

Questions? Please contact:



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