

Press Release Busworld Kortrijk

Next Stop: Future.

Today, the mobility in general and the "Bus World" in particular are changing and developing with exceeding rapidity. In such a time, Schaltbau Bode, a company of the Schaltbau Group, is putting its activities under the motto: "Next Stop: Future."

The ongoing transformation the mobility with the emergence of self-driving vehicles and e-mobility is bringing exciting new challenges and distinctive opportunities to the Schaltbau Group. At this year's Busworld Kortrijk exhibition, the company will be presenting Bode's trend-setting new solutions and concepts together with those of the affiliated companies Schaltbau GmbH and Schaltbau Refurbishment. Next Stop: Future. We are determined for what's coming. Join us and get started on the future today.

SST-E, the new generation of sliding plug doors

The new generation of sliding plug doors from Schaltbau Bode is especially designed for bus manufacturers and for manufacturers working on new self-driving vehicle concepts. The aim of this new SST-E generation is to radically simplify the complete door system and in particular to reduce the system's weight. Other important features are its improved reliability, a simple and robust door installation with an excellent adjustability, combined with exceedingly simple maintenance of the door systems during vehicle operation.

The result is a new generation of sliding plug doors which will be presented in prototype form at the Busworld. Key characteristics of this door system are:

- Efficient, no-loss belt drive
- Top dead center locking system
- Optimized movement for opening and closing (Soft Closing)
- Reduced noise emissions during opening and closing
- Common and/or separate operation of door leafs (optional)
- Inclination of one or both door leafs (optional)

The compact design with its clear reduced weight represents the prerequisite to lower energy consumption increasing mileage of future electric driven vehicle generations. The patent request has been already been submitted. The concept is currently in the final review for first customer projects.

BIDS AM – The guide system of the future

Besides providing optimal functionality, the engineers at Schaltbau Bode prioritized customer design wishes in developing the BIDS drive system. The BIDS AM for vehicles of the future such as self-driving units and "people movers" replaces today's conventional 3-rail guide system through the elimination of the middle rail. This creates additional space for individual design possibilities in new-generation vehicles. A short overview of the benefits of the BIDS AM, Schaltbau Bode's guide system:

- Mechanical or electric drive
- Portion of the drive also usable for a step
- Suitable for all kinematic systems
- Can be standardized in various sizes
- High opening and closing speed
- Low noise
- Low operating force

Schaltbau GmbH – Switchgear solutions for a new energy generation

As a specialist in high voltage DC switching, Schaltbau GmbH has numerous DC contactors in its product range. These units have delivered proven performance over many years in stationary energy systems as well as in electric forklifts. Now new variants for electric buses and hybrid vehicles are also available – for charging stations as well as for the vehicles themselves.

E-Mobility with Schaltbau Refurbishment GmbH

Schaltbau Refurbishment GmbH is moving to meet the growing demand for electric buses and trucks, particularly for use in inner-city applications. To maintain the accustomed cycle times, fast battery charging is essential. Schaltbau Refurbishment provides the necessary high-speed chargers – with top standards for safety, availability and efficiency. The modular design of the products can accommodate different performance demands and also keeps costs low for good profitability. With the models EVA400, EVA950 and the charging management system BalanceStar, opportunity charging as well as over night charging are possible. In connection with the German Federal Ministry for Education and Research project "Key Technologies for Electromobility", Schaltbau Refurbishment is working on high-speed charging systems for electric buses in public transport and is a development partner and supplier for the HPC high-speed charging system type LEM for the automobile industry.

We are looking forward to having the chance to meet with you personally in Belgium in Hall 2, Booth 208. Next Stop: Future. We're ready for what's coming. Join us and get started on the future today.

Schaltbau Bode | Company profile

With German engineering and efficient industrial production, Schaltbau Bode implements door systems for vehicles all over the world.

As a leading global provider of door and boarding systems for buses, rail vehicles and commercial vehicles, Schaltbau Bode serves its customers with the development, production, installation and commissioning of door and boarding system products.

Whether in rail or street applications, Schaltbau Bode door systems deliver safety, reliability and great value for customers, and have been setting the standard in vehicle technology for decades. The company is particularly noteworthy for its high degree of vertical integration in both hardware and software for door systems. This ensures optimal quality and flexibility with simultaneous standardization of parts, processes and electronics.

Door systems from Bode – Opening and closing around the world

From the technology and development center at its headquarters in Kassel, Germany, the company's high standards and detailed know-how are conveyed to locations on all continents. Production sites are to be found in Kassel, Poland, Turkey, the UK, the USA and China. The company's global presence is supported through numerous international representatives and service centers. As part of the Schaltbau Group, more than 1,600 employees bring an integrated approach to vehicle systems. With its six locations, Schaltbau Bode forms the core of the Mobile Transport Division of the Schaltbau Group.

The Schaltbau Group, with a worldwide network of production and service locations and more than 3,300 employees, is a leading partner of rail system companies, rail infrastructure operators as well as manufacturers of buses, automobiles and selected capital goods.

