

HÜBNER expands its portfolio for door safety systems

Kassel / Brussels (9 October 2023). Greater passenger safety through innovative developments and new material solutions: The HÜBNER Group has expanded its portfolio and will be showing innovations for existing bus door safety systems and anti-trap systems at Busworld Europe in Brussels, Belgium (7 - 12 October 2023, Hall 7, Booth 755).

“It is our continual aim to develop systems with which we can increase the safety level for passengers,” explains **Horst Grein, Senior Expert Application Engineering Bus in the Material Solutions business division.** HÜBNER has now expanded the product range of its door safety systems with new designs. These solutions are compatible for all systems currently on the market.

New developments for use with existing systems

“With these developments we can offer ideal and highly practical additions to existing systems. Adaptations are unproblematic for door safety systems which did not originally come from HÜBNER,” says **Tim Konze, Global Key Account Manager Bus in HÜBNER’s Material Solutions business division.**

One pioneering development is a specialization for the *SensIQ touchless* system. This is integrated in the finger protection profile of a sliding door and uses a light curtain to ensure on a touchless basis that people and objects are not trapped in a closing door. As soon as an object or passenger crosses the light curtain, the door automatically opens again or remains open.

SensIQ touchless: 90-degree light curtain for inward-swinging doors

Thanks to this further development, *SensIQ touchless* can now also reliably prevent the closing of inward-swinging doors on a touchless basis. Due to its space-saving characteristics, this type of door system is frequently used in vehicles in the bus sector.

With the new technology from HÜBNER, a light curtain is projected at a 90-degree angle in the entry area of inward-swinging doors. As with the 180-degree angle light curtain used in sliding doors, the *SensIQ touchless* detects persons or objects that are located in the closing area. Appropriate signals are used to stop the door-closing process and protect the passengers.

New possibilities for finger protection profile with silicone

HÜBNER is also making use of innovative new material formulations in door safety systems, explains **Tim Konze:** *“Silicone offers entirely new possibilities for use at the door’s leading edge – and this is crucial for the signal when body*



parts or objects are in the way of a closing door. Its particular advantage is the reliable functionality it provides throughout a very large temperature range. From Siberia to Death Valley, from the Norwegian North Cape to Andalusia or the Arabian desert – finger protection profiles made of silicone provide reliable performance even in the most extreme conditions.”

The Silicone Competence Center at HÜBNER subsidiary PolymerTechnik Ortrand GmbH (PTO) came into operation in 2022 and is producing special silicone profiles also for the bus market. As a material, silicone also offers the possibility of integrating signaling colors in the profiles. *“With the Silicone Competence Center as part of our company group, we are able to respond more flexibly to customer requirements with innovations and special solutions,”* says **Tim Konze**.

Dedicated HÜBNER website for Busworld

In connection with its presence at Busworld Europe, HÜBNER has published a dedicated website that brings together all the product information and highlights from the exhibition: www.hubner-group.com/busworldeurope-2023

The HÜBNER Group

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With its business units **Mobility Rail, Mobility Road, Material Solutions** and **Photonics**, the HÜBNER Group is a global system supplier for the mobility sector, for manufacturing, and for life sciences and research applications. HÜBNER is the worldwide leader in gangway systems for rail vehicles and buses as well as a supplier of chassis technology, cockpit display solutions and door sealing and safety profiles. The company is also an internationally recognized supplier of sophisticated solutions involving elastomers, insulation and composite materials. HÜBNER's business unit for laser technology is developing successfully, featuring applications for cancer diagnostics and spectroscopy, for example. In 2022, the HÜBNER Group generated sales of approximately €460 million, with approximately 3,500 employees worldwide. In addition to its headquarters in Kassel, Germany, HÜBNER is present with more than 30 locations around the world.

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