

Double ramps for double dependability in use in Madrid and Oslo

HÜBNER Transportation develops a hybrid entry system for buses

Kassel, Germany (27 April 2023). The HÜBNER Transportation GmbH (HTG) has developed a hybrid system that makes it easier for disabled persons to board buses. The particular advantage of the new system: In future, transit companies will no longer have to choose between different ramp types that are either operated manually or electrically at the push of a button. Instead, the new module from HTG combines an electric and a manual ramp in one unit.

Florian Klotz, Sales Manager for entry systems in the HÜBNER Group, highlights a particular USP: *“Our advantage at HTG is that with our innovative entry systems we can offer solutions to customers that are clearly more flexible, more convenient and also more service-friendly than the competition.”*

The most important benefit of the new HTG double ramp is that in the event of a breakdown in the automatic components, the driving personnel can use the manual folding ramp and continue operation without any limitations. Downtimes while waiting for the delivery of spare parts are also eliminated. *“The double ramp combines convenience with dependability,”* says **Florian Klotz.** *“Transit companies thus have the highest degree of certainty that their buses will be able to run. Finally, any downtime results in added costs.”*

Quick and simple installation – service-friendly operation

The double ramp consists of a single, permanently fitted module that can be quickly and simply installed. The new product is also service-friendly in operation.

A key advantage is that the cover of the ramp can be removed thanks to its specially designed frame. This makes it possible to have quick and easy access to the most important components of the electric ramp for maintenance purposes or if repairs are necessary.

Two proven ramp models serve as the basis

In the course of the product development, a new mounting frame was developed and tested extensively by HTG, which is specialized in ramps and lifts for public transport vehicles. Two well-proven ramp models were brought together to serve as the basis for the new product – the electric ramp IL 2502 which is integrated in the bus chassis and the manual folding ramp HK Modular which is located at the same level as the vehicle floor.

Production of ramps for projects in Madrid and Oslo

The first 250 double ramps have been in use in Madrid since September 2021 in Solaris vehicles. The bus manufacturer has already placed orders for additional ramps. Articulated buses for urban transport in the Norwegian capital Oslo will be equipped with a total of 336 double ramps. Each of the 168 buses will have two of the double ramps – one at the front entrance and another at the rear. HTG will thus be producing 336 ramps in Kassel and has been making deliveries to Solaris since August 2022. In addition, the HÜBNER Group is supplying 168 gangway systems for the fleet in Oslo.

Customers have been very satisfied with the newly developed double ramps, reports **Sales Manager Florian Klotz**. And other bus manufacturers are also showing interest in the hybrid entry systems.

More information about HÜBNER Transportation GmbH's ramps:

<https://www.hubner-group.com/hubner-transportation/en/ramps>

Caption: The new double ramp in operation. Photo: HÜBNER Group

The HÜBNER Group

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With its business divisions **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.

www.hubner-group.com

Press contact:

Claas Michaelis
HÜBNER GmbH & Co. KG
Heinrich-Hertz-Str. 2

34123 Kassel, Germany

Tel. +49 561 998-1710
press@hubner-group.com