

## **Bauma: Webasto exhibits solutions for construction industry electrification**

**At the Bauma trade fair in Munich (October 24–30), the top-100 automotive supplier will exhibit solutions for the electrification of construction and commercial vehicles.**

**Gilching – October 24, 2022** – In line with domestic and international climate protection efforts, the construction industry has a greater responsibility than ever to reduce its carbon emissions. The demand for electric solutions for this sector is growing continuously. Webasto is showcasing its comprehensive product portfolio for the electrification of construction machinery and vehicles at Bauma in Munich (Hall A4, Booth 339).

The standard battery system for commercial vehicles combines the price benefits of a scalable mass-market product with the tailored fit of a custom solution. Its robust design also makes it ideal for use in construction machinery. Each battery pack has a capacity of 35 kilowatt hours (kWh), and up to 18 packs can be interconnected. The standard battery system is produced at the technology plant in Schierling, Germany. The batteries can be utilized in both 400- and 800-volt systems.

The Vehicle Interface Box (VIB) serves as an efficient interface between the battery system and the vehicle. It combines the functions of a power distributor, master battery management system (BMS) and fuses in a robust housing. The Vehicle Interface Gateway (VIG), which has been on the market since June, also offers a master BMS function, but in more compact form. The VIG can be used to map up to nine battery packs in a 400-volt system and up to 18 battery packs in an 800-volt system, offering a total capacity of up to 630 kWh.

Field Data Monitoring (FDM) allows data from the standard battery system to be collected, transmitted, stored and visualized. This data allows users to monitor the condition of the batteries at any time and obtain extended warranty services via an additional service product.

### **Complementary heating and cooling solutions**

The Webasto eBTM 2.0 is a compact and powerful stand-alone device for the effective thermal management of traction batteries. With a heating capacity of 10 kilowatts (kW) and a cooling capacity of 8 kW, the device ensures optimum functionality of water-cooled battery packs in electric commercial and construction vehicles, even under extremely hot or cold ambient conditions. It also extends the pack's service life (state of health) by up to 21 percent in hot ambient temperatures. Charging time can be halved thanks to active thermal preconditioning of the battery cell during the charging phases. For ambient conditions that demand particularly high heating requirements, the High Voltage Heater (HVH) from Webasto is an ideal addition: The powerful heating system for hybrid and electric vehicles tempers both the cabin and the batteries.

### Sensor protects against air pollutants

The Safety Box, which Webasto will also be exhibiting, is a compact sensor unit that continuously measures the air quality in the driver's cab and warns of compounds that may be present which pose a risk to health. The small box contains all of the necessary components and indicates to the cab crew whether the ambient air is safe via green and red status LEDs. The Safety Box is designed for use in construction equipment at landfills, for example, and protects personnel against exposure to landfill gases, excessive carbon monoxide concentrations and other hazardous substances in the air.

### Charging solutions for every application

Webasto's charging solutions are also on show at the Bauma booth. These include the Webasto Unite smart charging station which offers a charging capacity of up to 22 kW. The wallbox is suitable for both stand-alone and cluster mode operation. The integrated local load management system prevents network overloads. It is also possible to embed the wallbox in energy management systems via Modbus TCP.

Moreover, interested parties will be able to learn more about the bidirectional DC Wallbox from Webasto. With its particularly robust housing and the option of integrating it into the Home Energy Management System via EE-Bus, it is ideal for use in private, business and public environments. The Webasto Go is a mobile charging solution with interchangeable Schuko and industrial plugs that delivers up to 7.3 kW of charging capacity. Webasto is also exhibiting an innovative solution from the industrial charging segment: The ProCore Edge is the latest development of the charger family for traction batteries in the range between 24 and 96 volts. The ProCore Edge was developed specifically for the intralogistics sector and supports both lead-acid and lithium-ion batteries.

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#### About Webasto:

The Webasto Group is a global innovative systems partner to the mobility sector and is among the top 100 suppliers to the automotive industry worldwide. The company's product portfolio comprises in-house developed roof systems, heating and cooling systems for various types of vehicle, batteries and charging solutions for hybrid and electric vehicles, as well as complementary services relating to thermo management and electromobility. Webasto's customers include manufacturers of passenger cars, commercial vehicles and boats as well as dealers and end customers. In 2021, the company generated sales of 3.7 billion euros and employed some 15,700 people at more than 50 locations. The headquarters of the company founded in 1901 is located in Stockdorf near Munich, Germany. For more information, go to [www.webasto-group.com](http://www.webasto-group.com)

#### Contact for the media

Webasto Group  
Kai Faulbaum  
Communication Manager/Spokesman Customized Solutions (Global)  
Tel.: +49 (89) 8 57 94-53734  
E-mail: [kai.faulbaum@external.webasto.com](mailto:kai.faulbaum@external.webasto.com)