**Press Release**

**2022-514**

Schmitz Cargobull AG  
**Emission-free operation in temperature-controlled transport: The S.KOe COOL all-electric box body semi-trailer**

**Refrigerated box body with battery-powered cooling unit and trailer axle with energy recuperation for environmentally friendly freight transport**

September 2022 –A number of countries are stepping up their emissions legislation and in many major cities from 2025 onwards, many transport operations, especially in inner-city distribution transport, will only be able to take place within ‘zero emission zones’. Schmitz Cargobull has developed its S.KOe COOL all-electric box body reefer semi-trailer specially for emission-free delivery.

The S.KOe COOL is equipped with a fully electric cooling unit with integrated power electronics, a battery system and an axle generator, and thus operates emission-free. The electrified vehicle is also extremely quiet, enabling early morning and late evening deliveries in urban areas.

The electrically operated S.CU ep85 cooling unit is designed to cool and heat freight without generating any emissions and offers a cooling output of up to 15,800 W and a heating output 10,500 W. Batteries on the landing gear replace the diesel tank.   
  
The electrified Schmitz Cargobull trailer axle recuperates energy during braking, among other processes, and thus extends the cooling unit’s operating time or reduces the recharging times of the battery via the power grid. This also reduces waiting times at distribution centres. An intelligent battery charging management function ensures that the battery’ charge level remains as high as possible to provide greater reliability when the vehicle is stationary, e.g. in traffic jams. The generator performance of the electrified axis is precisely matched to the requirements of the cooling unit. The system is fully integrated into the Schmitz Cargobull telematics system, enabling the respective system status such as the battery charge level, remaining range, remaining charging time, etc., to be monitored via the telematics portal.

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**About Schmitz Cargobull**

With an annual production of around 61,000 trailers and with approximately 6,900 employees, Schmitz Cargobull AG is Europe’s leading manufacturer of semi-trailers, trailers and truck bodies for temperature-controlled freight, general cargo and bulk goods. The company achieved sales of around €2.3 billion in the 2021/22 financial year. As a pioneer in the industry, the North German company developed a comprehensive brand strategy early on and consistently established quality standards spanning every level: from research and development, through production and service contracts, to trailer telematics, financing, spare parts, and used vehicles.

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