



Press release

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Renault Trucks and Schwing-Stetter unveil an innovative solution for decarbonised concrete transport

Expanding battery-electric technology to new business applications requires the development of tailored solutions. Concrete transport, which demands a high payload, is directly impacted by battery weight. To reconcile operational efficiency, economic performance, and the imperative of decarbonisation, Renault Trucks and the German bodybuilder Schwing-Stetter have developed a dual innovation: a five-axle Renault Trucks E-Tech C, equipped with a fully electric mixer, capable of carrying up to 10 m³ of concrete.

This vehicle will be unveiled exclusively at the Schwing Stetter booth during the next edition of the Bauma trade fair, from April 7 to 13, 2025, in Munich.

French manufacturer Renault Trucks, a pioneer in electromobility offering the most extensive range of decarbonised transport solutions on the European market, and German bodybuilder Schwing-Stetter, a leader in concrete transport systems, have combined their expertise. Together, they have developed a 100% electric solution, providing a zero-emission alternative for construction industry professionals.

■ Renault Trucks E-Tech C 10x4: Optimised manoeuvrability and payload

Concrete transport requires a high payload for both technical and economic reasons. For example, a diesel truck equipped with a conventional mixer can carry up to 8 m³ of concrete in most European countries, depending on national regulations. The transition to electric, due to battery weight, reduces this capacity. To address this, Renault Trucks has designed a unique five-axle model: the Renault Trucks E-Tech C 10x4, capable of carrying up to 10 m³ of concrete.

Despite having an additional axle, this truck maintains excellent manoeuvrability, which is essential for navigating urban environments and accessing restricted construction sites. Thanks to a redesigned architecture – including the vertical repositioning of the batteries behind the cab – the freed-up chassis space allows for a short wheelbase and a reduced turning radius.

■ A competitive and ecological solution

Additionally, Schwing Stetter has developed a fully electric concrete mixer, directly powered by the truck's batteries. This integrated solution enables zero CO₂ emissions during operation.

With a range of up to 140 km with a 45-minute intermediate charge (or 110 km on a single charge), this truck can complete four daily trips of 35 km, a distance well suited to typical routes between concrete plants and construction sites. Renault Trucks supports its customers in selecting the right number of batteries and optimising the charging strategy, avoiding oversizing that could reduce payload capacity, increase total operating costs, and unnecessarily enlarge the environmental footprint.

Thanks to optimal battery sizing, increased payload capacity, and lower energy costs, this new electric vehicle ensures a competitive cost per transported cubic meter of concrete compared to diesel models while complying with the strictest environmental regulations.

The Renault Trucks E-Tech C 10x4 will be available in Switzerland, Ireland, the Netherlands, Luxembourg, Finland, Slovakia and Lithuania, where regulations allow five-axle rigid trucks to operate at up to 42 tonnes (subject to national legislation). Renault Trucks is advocating for the harmonisation of European regulations to accelerate the adoption of electric technology for concrete transport.

With this joint innovation, Renault Trucks and Schwing Stetter reaffirm their commitment to decarbonising transport while meeting the productivity and competitiveness requirements of the concrete industry.

The Renault Trucks E-Tech C 10x4, equipped with the Schwing Stetter electric mixer, will be unveiled exclusively at the SCHWING Group booth during the next edition of the Bauma trade fair, from April 7 to 13, 2025, in Munich.
Open Air Area South: FS. 1005/2

About Schwing-Stetter

With its products, the SCHWING Group is one of the market leaders in the field of construction machinery for use in concrete and industrial pumping technology systems.

The product portfolio includes truck-mounted concrete pumps, truck mixers, truck mixer concrete pumps, stationary concrete pumps, concrete mixing plants, concrete recycling plants, industrial pumps as well as other products.

SCHWING has 10 subsidiaries around the world, employs more than 5,000 people worldwide and has over 90 years of experience in developing successful products and solutions for the global market.

About Renault Trucks

Renault Trucks, the French truck manufacturer, has been providing professionals with transport solutions since 1894, from electric cargo-bikes and light commercial vehicles to heavy duty tractors. Committed to the energy transition, Renault Trucks offers fuel efficient vehicles and a complete range of 100% electric trucks, with their operating life extended through a circular economy approach.

Renault Trucks is part of the Volvo Group, one of the world's leading manufacturers of trucks, buses, construction equipment and industrial and marine engines. The group also provides complete financing and service solutions.

Key figures:

9,400 employees worldwide

4 production sites in France

1,500 sales and service points worldwide

70,000 vehicles sold in 2023

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