

IAA 2018

For the last kilometer: Cargo pedelecs

In Hanover, several OEMs showed cargo pedelecs. They are intended for short-way deliveries.



Dr. Thomas Sedran on VW's cargo pedelec able to load 250 kg (Photo: Volkswagen)

Pedelecs are on the hype, not just by elder retired people. At IAA 2018, pedelecs able to carry goods with a weight of about 200 kg and even more, were exhibited on several stands. The success of drones and automatic driving cargo robots running through cities and villages is still limited. The providers hope that the battery-powered bicycles could close the gap and could be an alternative for the last kilometer to the end customer.

"The cargo e-bike is VW's solution for the mobility challenges of tomorrow," said Dr. Thomas Sedran from Volkswagen Commercial Vehicles. "We are thinking ahead about sustainable mobility for our customers and for better air quality in our cities." The battery-powered three-wheeler uses an embedded CAN network to communicate between battery, charger, and the 250-W middle-motor. The load space measures 0,5 m³.



The Rapide 3 is a battery-powered cargo scooter (Photo: Gaius Automotive)

Krone presented the Movr cargo-bike, which has been developed with Rytle. It features a changeable container and is powered by two motors. The electrical drive unit supports speeds up to 25 km/h. The cargo pedelec can load up to 180 kg. It can be equipped with a GPS sub-system, which can be used for fleet management purposes. The bike's display shows consumed engine power, wear, and whether information, for example.

The Rapide 3 electric cargo scooter by Gaius Automotive features a modular design and can carry up to 200 kg. The three-wheeler reaches 105 km with its 5,2-kWh battery. The Taiwanese company is specialized in electrical vehicles and has engineering centers in France and Canada.

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The Movr pedelec has been developed in Cooperation with Krone, a German trailer OEM (Photo: Rytle)

