vR3

Innovation in last mile delivery.

«The great transport capacity of the vR3 combined with its impressive agility has been convincing.»
Thomas Ulmann, Head of Logistics Quickmail AG
www.quickmail-ag.ch

Whether sending letters and packages, delivering pizzas, medicines or flowers, or making any other online dreams reality – efficiently and quickly bridging that last mile will become a central challenge for courier services over the coming years. vRbikes has designed the perfect vehicle for these needs – the vR3: Swiss-made, electric, innovative, robust and sustainably economical.

www.vrbikes.ch
In times of growing online trade, it is becoming increasingly complex to economically coordinate the final delivery. Flexible ordering options give customers the freedom they want and put logistic services to the test. If deliveries cannot be completed immediately, additional costs arise. Furthermore, additional journeys, especially in cities, lead to more congestion, more noise and thus to more environmental pollution. So the last mile also impacts those who have nothing to do with the order. Logistics companies therefore strive to bundle the individual consignments in such a way that short, fast and efficient trips are possible. How can this efficiency be achieved?

**Economical and ecological** There are many possible solutions for the optimal handling of the last mile. For example, communication in the ordering process can be optimized by the customer specifying ideal time windows for receiving goods or alternative delivery locations. The model of so-called micro-hubs – small parcel collection centers in the vicinity of the delivery areas – is also being researched. Efficiency improvements in large loading centers seem to be exhausted, but there are efficiencies to be made thanks to the modular electric vehicle vR3 from Swiss company vRbikes. Intermediate loading steps can be eliminated by stacking containers directly from macro- to micro-distributor and therefore not having to store items temporarily. This allows distribution processes to be condensed and accelerated. Depending on the delivery area and volume of the shipment, the vR3 can also be used as a delivery vehicle for the last mile. Due to its economical design and ecological drive, additional journeys lead to less congestion, less noise and generally less pollution.

**Reliable and efficient** Self-propelled small transporters or drones are currently particularly popular as a solution to the challenges of the last mile. They are considered to be the next big step. But the human being remains an important factor in the mail-order business. Longer and more complex deliveries still have to be done by hand. To be on the move as efficiently as possible, many mail-order companies use electric vehicles.

“The vRbikes help our delivery staff to work even more efficiently,” says Thomas Ulmann, deputy managing director of Quickmail, a private service provider in Switzerland for the delivery of addressed mailings, catalogs and customer magazines. He praises the high charging capacity, the range, the simple operation and the efficiency of the vehicles. These characteristics would help to serve tasks relating to the last mile as economically as possible. In addition, Ulmann points out that his company achieves an increase in efficiency of around 20-25% with vRbikes compared with a car in heavily populated areas. The vRbikes are therefore an excellent, reliable and efficient transport device, especially for inner-city deliveries.

**Innovation from Switzerland** The challenges of the last mile cannot be solved overnight. This makes it all the more important that research and development is carried out on a broad front. The vR3 models from vRbikes are an example of how innovations are possible even where it is no longer apparent.

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**KEY FACTS**

- Rise in e-commerce has made last-mile delivery more challenging
- vRbikes provide an economically viable solution for posts