

Freinberg, 14 October 2021

A Trailer for the VoloDrone

- *Partnership with VoloCopter formalised*
- *Trailer transforms into mobile take-off and landing pad*
- *Wide range of possible applications*

VoloCopter, the pioneer of urban air mobility (UAM), based in Bruchsal (Baden-Württemberg, Germany), and the Austrian vehicle manufacturer Schwarz Müller have partnered to create a new application for the classic transport trailer. Named the Mobile Vertipad, this trailer converts into a mobile take-off and landing platform for an electrically powered transport drone. This new innovative product was presented today at the ITS World Congress 2021 in Hamburg. The VoloDrone heavy-lift drone already completed its first public test flight at homePORT Hamburg this Tuesday.

Schwarz Müller aims to begin testing the Mobile Vertipad in early 2023. For Schwarz Müller CEO Roland Hartwig, this has opened doors for his company. "Not only are we proud of the partnership, but we want to expand into this strongly future-oriented business field of transportation."

The Mobile Vertipad is a trailer with a conventional long-haul trailer's exact dimensions: 12 meters long, 2.4 meters wide, and 3.9 meters high. A loading container is built on top of the chassis to hold the VoloDrone. At the push of a

button, the trailer can unfold into a platform and turn into a launch pad and loading ramp. This is a two-step process: First, a substructure made of metal profiles extends from the chassis. Then, the container unfolds its walls using the origami principle, creating a circular platform 20 meters in diameter. It is dismantled as quickly as it is constructed and can be moved to any location using the tractor units. "We want to offer our industrial customers an end-to-end solution that enables VoloDrone services at any time by ensuring short lead times," said Christian Bauer, Chief Commercial Officer at Volocopter.

The platform can be designed for relatively low loads; the fully loaded VoloDrone weighs is about as light as a small car. For Schwarz Müller, a lightweight construction specialist, this opens up completely new possibilities for material selection. Due to the light weight, it opens up possibilities to use non-metal construction materials in the future, presumes CEO Hartwig.

Wide Range of Applications

VoloDrone is Volocopter's versatile electrically powered cargo drone. It can transport a payload of 200 kg up to 40 km. Possible VoloDrone applications are in logistics, agriculture, infrastructure, and the public utilities industry. Among other things, heavy packages can be transported to remote locations, from the port to ships or from island to island. Further possibilities include crop protection or deliveries to construction sites.

Schwarz Müller has also designed its concept study, for which they called in the Austrian design and engineering studio, Bumblebee, to be multimodal. "The Mobile Vertipad is completely multimodal. It connects roads, rails, air, and ships in last-mile freight transport. The cargo drone creates the connection, Schwarz Müller provides the mobile infrastructure to enable the connection," explained the Schwarz Müller CEO.



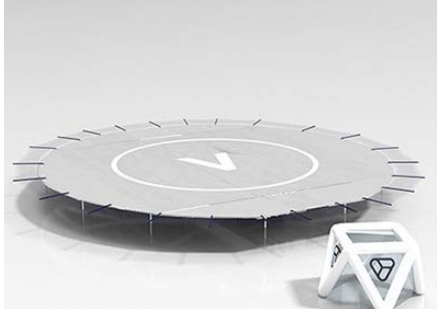
In one aspect, Schwarz Müller went beyond Volocopter's specifications, making the deployable trailer multifunctional. It serves not only as a means of transport and a flight platform, but also as a charging station for the VoloDrone's batteries. Finally, the Mobile Vertipad is a station for technical maintenance.

The two partners are going into the future project with a strict division of tasks and labor. While Volocopter focuses on the aircraft, Schwarzmüller is responsible for the mobile platform.

For downloadable images and an animation showcasing the Mobile Vertipad, please visit:

<https://www.schwarzmueller.com/en/info-contact/press-material>

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	<p>The Mobile Vertipad is a trailer...</p>
	<p>...whose walls and substructure unfold...</p>
	<p>...to form a round take-off and landing pad for the VoloDrone.</p>



CEO Roland Hartwig has been at the helm of Schwarzmüller Group since 2016.



Christian Bauer is the Chief Commercial Officer at Volocopter.

Further information

Mag. Michael Prock, Prock und Prock Marktkommunikation GmbH,
press speaker Schwarzmüller Group,
Lasserstraße 13/1, 5020 Salzburg, Austria
mp@prock-prock.at, Tel.: +43 662 8211550

About Schwarzmüller

The Schwarzmüller Group is one of Europe's largest suppliers of towed commercial vehicles. With its focus on the premium sector, the company sets industry benchmarks and with its 150 years of experience is the specialist for individual transport solutions in demanding industries. With vehicles from the Schwarzmüller and Hüffermann brands, the company supplies the construction trade, infrastructure companies, raw materials and recycling industries, and long-distance transport companies.

About Volocopter

Volocopter is building the world's first sustainable and scalable urban air mobility business to bring affordable air taxi services to megacities worldwide. With the VoloCity, the company is developing the first fully electric "eVTOL" aircraft in certification to transport passengers safely and quietly within cities. Volocopter leads and cooperates with partners in infrastructure, operations, and air traffic management to build the ecosystem necessary to 'Bring Urban Air Mobility to Life'.

In 2011, Volocopter performed the first-ever crewed flight of a purely electric multicopter and has since showcased numerous public flights with its full-scale aircraft. The most notable have been the public test flights at Singapore's Marina Bay in October 2019 and the world's first autonomous eVTOL flight in Dubai 2017.

Volocopter is also developing products for the logistics space with their heavy-lift cargo variant, the VoloDrone. Founded in 2011 by Stephan Wolf and Alexander Zosel, Volocopter has 400 employees in offices in Bruchsal, Munich, and Singapore. The company has raised a total of €322 million in equity. Volocopter's investors include Daimler, Geely, DB Schenker, BlackRock, and Intel Capital amongst others. Find out more at: www.volocopter.com