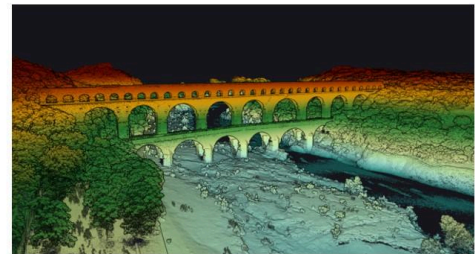


Press release - immediate diffusion

World premiere at INTERGEO 2024 in Stuttgart: drone manufacturer DELAIR and Lidar specialist YELLOWSCAN present the DT46 LiDAR UAV: the world's first fixed-wing UAV for long-distance inspections and creation of high-precision digital twins.



Toulouse and Montpellier - september 18, 2024 - Toulouse-based drone manufacturer DELAIR integrates into DT46, latest addition to its series of drones, the VOYAGER Lidar, a high-performance laser scanner, paired with a high-resolution RGB camera, developed by Hérault-based company YELLOWSCAN.

The two Occitan companies join forces to offer a complete, autonomous solution capable of carrying out precise inspections and mapping over long distances, from drone data acquisition to data processing.

DELAIR DT46 : The VTOL ultra-long-range drone, latest addition to the Delair series of drones

- Up to 300 km covered per flight, depending on the take-off mode used (Vtol or catapult),
- Transportable in a pick-up truck and deployable in less than 15 minutes without tools,
- Communication range of over 100 km.

Lidar YELLOWSCAN VOYAGER : a high-precision tool

The YellowScan Voyager stands out for its ability to capture data with exceptional precision. Equipped with a laser scanner with a 100° field of view and an acquisition rate of up to 2400 kHz, it offers optimum point density for demanding projects.

- High point intensity with 2 million useable points captured per second,
- Unparalleled vegetation penetration thanks to detection and processing of up to 32 target echoes per laser pulse,

- Vertical mapping, designed for precision of less than 1 cm, for efficient coverage of complex, vertical targets.

“Precision, high performance, excellent cost/efficiency ratio, we are very enthusiastic about this integration of the YellowScan Voyager Lidar to our DT46 drone, which allows us to offer results with exceptional performance.” indicates Bastien MANCINI, Delair CEO.

“With its long autonomy, carrying capacity, ease to use and ruggedness, the DT46 Lidar will revolutionize industrial infrastructure inspection, topographic surveying and security/defense missions” adds Michel ASSENBAUM, YELLOWSCAN CEO.

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About DELAIR

Delair designs, manufactures and markets a complete range of aerial drones for industry and defense since 2011. Delair has expertise in all the aspects required to design and mass-produce reliable drones proven in the most challenging fields. With a fleet of several thousand drones in operation, the company, based in the region of Toulouse, has a workforce of over 120, and more than €10 million turnover in 2023.

Learn more : <https://delair.aero/>

About YELLOWSCAN

YellowScan designs, develops and manufactures LiDAR mapping solutions for professionals who require performance, robustness and accuracy. Their hardware and software solutions are easy-to-use data collection tools, combined with training and support provided by their technical experts. Their products integrate laser scanners, INS systems, GNSS receivers and on-board computing. Each system is designed to meet the most demanding requirements for precision and accuracy in 3D mapping.

Their products are used worldwide in surveying, bathymetry, forestry, environmental research, archaeology, civil engineering, mining and much more.

Learn more: www.yellowscan.com/fr