# Septentrioâ€™s RTK Technology Selected for UAV Lidar Solution

Septentrio, Belgium, has announced that Lâ€™Avion Jaune, a service provider and airborne sensors integrator in the field of aerial surveys, has selected the Septentrio AsteRx-m for its robustness and low power consumption to equip the YellowScan system. YellowScan is an all-in-one solution designed to deliver high-quality aerial surveys carried out using a Lidar sensor aboard UAVs.

The self-contained system integrates into a small package all the necessary equipment for conducting airborne surveys: a 3D laser scanner, an AHRS, a controller, an autonomous power supply module and the AsteRx-m, a high-performance precision GNSS receiver.

The AsteRx-m is designed to provide a compact and low power solution for precise positioning in the most difficult environments where the tracking of both GLONASS and GPS satellites allows the receiver to improve the availability and robustness of a positioning solution. Septentrio's newest RTK models adapt to situations where GNSS signals can be distorted by reflective surfaces and feature countermeasures to disturbances, thus maintaining accurate and stable measurements wherever and whenever centimetre-level accuracy is needed.

The easy-to-integrate AsteRx-m has proven to deliver the most reliable and stable RTK performance of all, in a compact and exceptionally low-power consumption module, said Michel Assenbaum, CEO of L'Avion Jaune. The AsteRx-m allows to extend the operational range and capabilities of the YellowScan, a fully autonomous surveying solution dedicated to UAVs. L'Avion Jaune has tested the solution in various environments across the world and has never seen it falter, Assenbaum added.

Jan Van Hees, head of business development at Septentrio, stated that the company is delighted that L'Avion Jaune, a respected expert in designing unmanned-aerial remote sensing solutions, has validated the performance of the ultra-compact GNSS receiver.

Click here to view the Septentrio GNSS receiver product range.

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