

PRODUCT SHOWCASE

GEOCONNEXION LOOKS AT THE LATEST IN GEOMATICS PRODUCTS

NEW QUAD-BAND RECEIVER DELIVERS ULTRA-PRECISE POSITION FOR DEMANDING MARINE OPERATIONS

VERIPOS announced its next-generation GNSS receiver, the LD900, delivering exceptional functionality in demanding offshore environments requiring accurate and reliable positioning. The new marine-certified receiver is capable of tracking **four GNSS frequencies simultaneously** to ensure a precise position is always available at sea. When combined with Apex5 correction services from VERIPOS, it delivers accuracy levels as precise as **5 cm (95%)** to provide robust positioning for the most challenging applications, including deepwater drilling, seismic, construction, and survey. Capable of multi-constellation and multi-frequency (MCMF) GNSS tracking, the LD900 supports all VERIPOS correction services, which uses **Precise Point Positioning (PPP)** to deliver centimetre-level accuracy across the globe, making it ideal for oil and gas exploration activities. The LD900 receiver supports **multi-channel L-Band tracking** that provides simultaneous reception of services from three satellites broadcasting **VERIPOS Apex5 corrections**, which reduces the risk of satellite masking or blocking to ensure continuous operations and avoid vessel downtime. www.veripos.com

SEPTENTRIO STRENGTHENS ITS INERTIAL GNSS PORTFOLIO WITH ASTERX-I D UAS

Septentrio, a provider of high-precision GNSS positioning solutions, has announced a new GNSS/INS receiver, AsteRx-i D UAS. This **multi-frequency receiver** combines reliable centimetre-level positioning with 3D orientation, enabling automated navigation of aerial drones and robots. With a high-performance **IMU** (Inertial Measurement Unit) from Analog Devices integrated directly into the receiver board, AsteRx-i D UAS is compact and lightweight. Aboard the drone, its small form-factor combined with exceptionally low power consumption results in extended battery life and longer flight times. AsteRx-i D UAS is the first commercial product resulting from Septentrio's collaboration with **Analog Devices**, delivering robust positioning and attitude (heading, pitch and roll) in demanding industrial environments. Both single antenna and dual antenna versions are available. The single antenna version provides a lightweight solution optimizing the system SWaP (size, weight and power). The dual antenna version is ideal for machines that need reliable heading directly from the start. www.septentrio.com

TOPCON EXPANDS INTELLIGENT PAVING PORTFOLIO WITH THERMAL MAPPER SYSTEM

Topcon Positioning Group announced the new Thermal Mapper for asphalt paving designed to **monitor temperature segregation** to prevent future problems and measure performance, as well as easily provide accurate compliance reporting — all with **real-time kinematic (RTK) positioning accuracy**. The mapper records temperature readings behind an asphalt paver as the paving is in progress and provides a visualization to operators in real time of whether the mix falls within a pre-defined temperature range, and if any segregation is limited within specifications. The system also creates data reporting files to download for applications such as DOT compliance through an **interactive Pavalink module**, the Topcon cloud-based logistics application for asphalt paving. www.topconpositioning.com

LEICA GEOSYSTEMS ANNOUNCES LATEST VERSION OF PUBLIC SAFETY SOFTWARE

Leica Geosystems, a Hexagon company, announced the latest version of Leica Map360 crash and crime scene diagramming and reconstruction software, bringing **three editions** to meet specific customer needs based on the technology used to measure and collect any scene. With an entirely **new user experience (UX)** and interface, Map360 v4.0 simplifies incident reconstruction activities for investigators, reconstructionists and other public safety personnel. With **2D intuitive workflows**, Map360 Sketch offers a program designed to create basic diagrams, floorplans and reports from manual measurements, imported points or UAV imagery. At an intermediate level, Map360 Standard works with **TPS** and **GNSS technology** introducing **3D capabilities and tools** as well as animation. Map360 Pro is directed at those using workflows that result in the creation of a 3D point cloud, such as laser scanners and UAV photogrammetry, offering advanced 3D capabilities and point cloud support. www.leica-geosystems.com

