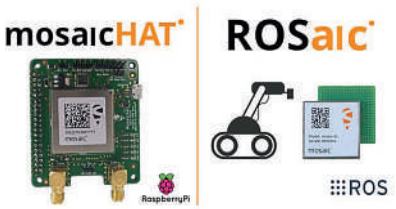
# PRODUCT SHOWCASE

## GEOCONNEXION LOOKS AT THE LATEST IN GEOMATICS PRODUCTS

### SEPTENTRIO ANNOUNCES OPEN SOURCE SOFTWARE AND HARDWARE FOR AUTONOMOUS APPLICATIONS WITH GNSS




Septentrio, a provider of high-precision GNSS positioning solutions, announces two important open source resources for its GPS/GNSS module receivers. The first, **ROSaic**, is a ROS (Robot Operating System) driver for the **mosaic-X5 module** as well as other Septentrio GNSS receivers. The second project, **mosaicHAT**, is an open source hardware reference design combining mosaic-X5 with a **Raspberry Pi** single-board computer. Both projects facilitate integration of centimetre-level reliable positioning into robotic and other machine automation applications. ROSaic driver operates on ROS, a widely used programming environment within the industry as well as academics, commonly used for integrating robot technology and developing advanced robotics and autonomous systems. ROS allows data from numerous sensors to be combined allowing high levels of autonomy. **www.septentrio.com**

### TALLYMATICS INTRODUCES THE TW5382 SMART GNSS ANTENNA FOR HIGH ACCURACY

**5G Timing** Tallymatics announced the TW5382 Smart GNSS Antenna for High-Accuracy 5G Timing. The TW5382 is a multi-band, multi-constellation 5G smart GNSS antenna/receiver that provides 5 ns (1-sigma, clear sky view) timing accuracy. The TW5382 consists of two components: a **Tallysman GNSS Accutenna technology antenna** and a professional-grade **GNSS timing receiver module.** The Accutenna technology supports the full bandwidth of the TW5382 receiver, strong multipath mitigation and deep filtering, in a compact IP69K enclosure. These features enable the antenna to provide a strong, pure, inband, right-hand circular polarized signal to the receiver. The TW5382's professional-grade multi-constellation and multi-signal timing receiver tracks GPS/QZSS (L1/L2), GLONASS (G1/G2), Galileo (E1/E5b), and BeiDou (B1/B2) signals. Dual-frequency GNSS enables the receiver to minimize ionospheric delay and enhances multipath mitigation. **www.tallymatics.com**

### LEICA GEOSYSTEMS INNOVATES AUTOMATED TOTAL STATION PORTFOLIO

Leica Geosystems, part of Hexagon, has enhanced the entire automated total stations portfolio in 2020. Starting with the new **Leica Nova MS60 MultiStation** and **TS60 total station**, now the new **Leica TS16** and **TS13 total stations** and the new **TM60 monitoring total station** are introduced. Leica Geosystems' automated total stations range is designed to help surveyors achieve the highest measurement accuracy and reliability. Users of the automated total stations TS13, TS16, TS60 and the MS60 MultiStation can now measure the instrument's height at a simple button press with **AutoHeight** and track them for theft deterrence and fleet management purposes with **LOC8**. The TM60 is Leica's monitoring total station, designed and manufactured for 24/7 monitoring. All automated total stations come with the easy-to-use Leica Captivate field software. Combined with a controller of choice, it enables surveyors to easily complete every field job with the broadest selection of onboard apps.
**www.leica-geosystems.com**


### FARO LAUNCHES NEW WEBSHARE SOFTWARE 'ENTERPRISE' FEATURE

FARO Technologies, a global provider of 3D Metrology, AEC (Architecture, Engineering & Construction), and Public Safety Analytics, announced the release of its new WebShare Software Enterprise offering. An extension of the widely-used **FARO Webshare platform**, the Enterprise feature allows data to be stored on a company's private server or cloud infrastructure, ensuring full control over the security of its 3D reality data and a fast and easy way to provide access and share project management workflows. The Enterprise feature also offers single sign-on support to **simplify the log-on process** and avoid managing multiple passwords. FARO WebShare is a cloud or server-based hosting platform offering real-time access to the latest **as-built 3D reality data** for worldwide project management and Scan-to-BIM workflows. WebShare supports data of unlimited size and is source agnostic. **www.faro.com**

[Eos Positioning Systems]

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