

PRODUCT SHOWCASE

GEOCONNEXION LOOKS AT THE LATEST IN GEOMATICS PRODUCTS

TERSUS LAUNCHES DAVID PLUS, A DUAL-ANTENNA GNSS RECEIVER WITH HEADING

Tersus GNSS Inc. recently launched its new **David Plus** receiver, a dual-antenna GNSS receiver which offers centimeter-accurate positioning and heading. It is designed for intelligent transportation, construction, machine control, precision agriculture, and navigation applications. "David Plus is designed for efficient and rapid integration, the compact, lightweight receiver supports measurements output, it tracks GPS, GLONASS, and BeiDou signals," said **Xiaohua Wen, Founder & CEO of Tersus GNSS Inc.** "The modular and flexible design can provide robust positioning and heading accuracy in a compact footprint for UAVs and other smaller autonomous projects. As the leading supplier to the precision

GNSS receiver market, Tersus is focused on developing easy-to-use and affordable products to support high-precision positioning and heading applications." The David Plus GNSS receiver supports RTK positioning mode or RTK positioning + heading mode. It supports 384 channels. It's easy to connect an external powerful radio for long range communication.

www.tersus-gnss.com



GSSI RELEASES IMPROVED STRUCTURESCAN™ MINI XT GPR CONCRETE INSPECTION FEATURES

GSSI announces the release of a major software update for the **StructureScan™ Mini XT**. The update expands StructureScan™ Mini XT capabilities with an increased depth range, improved Focus Mode, and a new Auto Drill feature. The update increases StructureScan™ Mini XT's depth range by 20% to up to 24 inches for greater visibility in survey situations involving thick structural concrete and slab on grade. The improved Focus Mode uses input from the StructureScan™ Mini XT's 2.7 GHz high-resolution antenna to resolve closely spaced and bundled targets within concrete, offering precise visualization where traditional GPR hyperbolas would condense data into a singular dot. Rugged, compact, and flexible, StructureScan™ Mini XT is ideal for locating rebar, conduits, post-tension cables, and voids. The integrated all-in-one concrete inspection tool can help identify structural elements, including pan deck and concrete cover, and can also provide real time determination of concrete slab thickness.

www.geophysical.com



NEW GEOSLAM SCANNER COMBINES DETAILED DATA POINTS WITH HI-RES IMAGERY

GeoSLAM has launched its latest product that is set to shake up the property sector by offering property professionals the ability to capture floorplans and hi-res photography simultaneously. The **ZEB PANO**, a handheld SLAM (simultaneous, localization and mapping) scanner and panoramic camera, has been developed for the property sector. SLAM technology is widely known for its use in the automotive industry for self-driving cars, but the technology has applications far beyond

that. Capable of capturing 43,000 data points per second and high-resolution panoramic imagery at the same time, the ZEB PANO stores the exact location of each panoramic image enabling quicker, more accurate, and less intrusive property surveys. Property agents can use this information to create a floorplan and property descriptions in considerably less time. Complementing the existing ZEB range of scanners, the scanner's 'walk-and-scan' method of data collection allows users to quickly and easily survey a property, producing accurate data and high-resolution photography.

www.geoslam.com



CARLSON UNVEILS NEW C-ALS® GYRO AT SME 2019

Carlson Software unveiled the new **Carlson Cavity Auto-Scanning Laser System (C-ALS)** Gyro gives greater navigational capability, ensuring that the probe's position along the borehole can be determined without relying on the mechanical alignment of deployment rods or a magnetic compass. The Gyro unit contains a 3-axis gyro, which monitors the probes heading and accelerometers, which determine the inclination allowing it to be deployed downwards, upwards, or in a horizontal hole. The C-ALS provides safe, quick, and reliable mapping capabilities for inaccessible underground cavities. The system is deployable via boreholes on cable or rods, via a boom, or on a zip-wire, the C-ALS system can be used from the surface to provide a detailed visual record of the subsurface environment in a wide range of applications. The LMD product division was previously Renishaw SMD. Carlson Software acquired the products and supporting staff through a 2017 acquisition.

www.carlsonsw.com

