

COMPANY SHOWCASE

SPRING 2016

Our regular 'Company Showcase' feature is the opportunity for suppliers of goods and services from all branches of the geomatics industry to acquaint readers with their latest offerings. Innovation is key to success in today's geomatics market place... one where traditional boundaries are being blurred by the latest trends in convergence and functionality, and it is vital that users can take advantage of these technological advances.

Surveying equipment now incorporates GNSS, GIS, Laser-based and communications, as well as optical capabilities to offer ever higher accuracy and greater local processing power at lower cost. Remote Sensing, in the widest sense, achieves new levels of resolution and precision from Laser, LIDAR, satellite, and aerial sensors, including those carried aboard a new generation of UAVs. The huge volumes of geodata captured by these and other sensors and devices are incorporated in ever more innovative information and location based services that support public and private sector decision makers at all levels, as well as citizens.

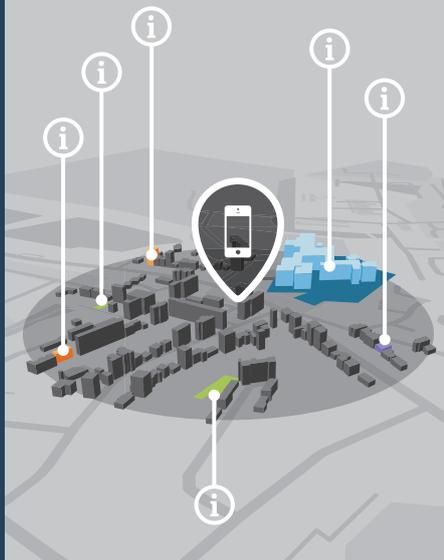
Look also for advances linked to the convergence between technologies, from CAD and BIM suites now incorporating GIS and decision support tools to smart phones used to collect and disseminate location-tagged data for commercial and citizen-oriented Open Source applications. For field use, consumers are now spoiled for choice with a wide variety of portable rugged and semi-rugged geodata collection devices based on PDA, tablet and notebook computers. And, of course, the advent of data and software as hosted services via the Cloud presents new challenges and opportunities for users everywhere.

This is an exciting decade for all sectors of the geomatics industry, with innovation powered by creativity, convergence and advances in several allied technologies. Watch this space to keep yourself up to date!

**Next Available Showcase:
Autumn 2016
(Published September)
Entry Deadline: July 2016**

CADCORP

1



In web mapping, simplicity is the ultimate sophistication*

Cadcorp's flagship web mapping product – **Web Map Layers** – is now even easier to use.

Web Map Layers 8.0 features a completely redesigned, responsive user interface; stripping it down to the bare essentials. Don't think for a moment that the product has become less powerful. We think that there is no place for complexity in a user interface.

You can judge for yourself by going to the on-line demonstrator at <http://cdcp.io/g>

Web Map Layers 8.0. Sharing Local Knowledge™ on desktop, tablet and mobile devices.

** The statement 'Simplicity is the ultimate sophistication' is often attributed to Leonardo da Vinci.*

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CARLSON SOFTWARE

2



Specializing in field data collection, CAD design software, and machine control products for the land surveying, civil engineering, construction, and mining industries worldwide, Carlson Software provides one-source technology solutions with complementary hardware options for the total project. Among Carlson Software's highlights is the Carlson BRx6 – the all-new multi-GNSS, multi-frequency smart antenna. With multiple wireless communications ports and an open GNSS interface, the BRx6 can be used as a precise base station or as a lightweight and easy-to-use rover.

The BRx6 is powered by a state-of-the-art Athena RTK engine and allows RTK corrections to be received over radio, cell modem, Wi-Fi, Bluetooth, or serial connection. The BRx6 receiver also enables users to work with the subscription-based Atlas service, Hemisphere's industry leading global correction service provided over L-band communication satellites and the internet.

Visit our website carlsonsw.com to learn more about how Carlson works for you.

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EUROPEAN SPACE IMAGING

3



30 cm WorldView-3 Spratly Islands |
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European Space Imaging provides imagery of the highest resolution from the largest and most capable fleet of VHR satellites in the world. Customers can access the biggest VHR imagery archive available. Our latest 30 cm portfolio offers a range of visual and spectral information products with utmost detail.

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GENEQ

4



Geneq inc. is the developer and manufacturer of the popular SXBlue GNSS family of GPS receivers.



Most affordable GPS compatible with iPad/iPhone !

The NEW iSXBlue II+ GPS is the most affordable GIS Receiver designed specifically for iPad/iPhone. iSXBlue II+ GPS is compatible with Esri's ArcPad, TerraGo, Fulcrum and more ... This palm-sized receiver delivers real-time, high-accuracy performance using GPS satellites and free SBAS corrections. It's the ideal choice for mapping applications, including GIS, Forestry, Mining, Utilities, Agriculture, Surveying and Environmental.



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NEW SXPro all-in-one RTK Data Collector. SXPro RTK offers 220 channels of multi-constellation for centimeter accuracy. Sold as a «fully loaded» package that includes Surveyor-Grade External Dual Frequency Antenna, hard carrying case and Field Genius Survey Data Collection Software.

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GLOBALSTAR

5



Globalstar satellite products help safeguard valuable equipment and cargo, provide security and peace of mind to lone workers, and help users stay in contact even when outside of mobile coverage.

Globalstar's SmartOne™ C, monitors and tracks assets of any kind, including shipping containers, transport trailers, construction machinery and vehicle fleets. The device can also dynamically report asset status and monitor faults, significantly enhancing operations. The STX3 simplex satellite transmitter features the lowest power-consuming technology on the market. It is designed to be easily integrated into a broad range of devices for economical remote monitoring.

Sat-Fi, the world's most powerful satellite hotspot, allows up to eight simultaneous users to connect to Globalstar's satellite network using their own devices, so anyone can have reliable connectivity no matter their location.

Small, rugged, and competitively-priced SPOT Gen3™ enables remote workers to send an SOS with just the touch of a button. Emergency services can instantly receive GPS location information. With SPOT, colleagues, friends and/or family can track the user's location 24/7 thanks to an easy-to-use Google Maps interface. SPOT products have been used in over 4,000 rescues globally.

Globalstar Europe Satellite Services

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handheld



Perfectly ergonomic, seriously rugged, and ready for any task, the 7-inch Algiz RT7 offers unmatched field performance at an excellent value. Read more at: www.handheldgroup.com/Algiz-RT7

Rugged Computers for Tough Environments

Handheld Group is a manufacturer of ultra-rugged tablets and handhelds, - all carrying high IP-ratings and meeting stringent MIL-STD-810G standards for withstanding water, dust, shock and extreme temperatures.

We work with a strong network of dealers worldwide supplying rugged computers to a wide spectrum of field applications, often in the most demanding environments.



The NAUTIZ X8 has an outstanding screen, superior processing power and endless possibilities with the customizable expansion packs. Read more at: www.handheldgroup.com/Nautiz-X8

Handheld has local offices in Sweden, Finland, Italy, Netherlands, Germany, Switzerland, UK, Australia and the USA. You will find our online product information in 9 different languages.

Meet us at a show near you – see our list of events here: www.handheldgroup.com/events

Handheld Group AB

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www.handheldgroup.com



IFEN GmbH, founded 1998, is a leading provider of GNSS navigation products and services. IFEN's technology portfolio includes GNSS simulators, GNSS receivers, test ranges, simulation and data processing tools as well as seamless LBS.

IFEN's primary product 'NavX® - GNSS Test Solutions' is designed to provide the users with a complete range of integrated navigation test products and services unique on the market.



IFEN's outstanding satellite navigation know-how is offered to customers for services like GNSS system studies, research and development of navigation and integrity algorithms, design and development of GNSS software and hardware up to engineering of turnkey facilities and systems.

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Visit us at:

ENC 2016 / Helsinki, Finland
30 May – 2 June, 2016
Booth #5

ION GNSS+ 2016 / Portland, Oregon
12 – 16 September, 2016
Booth #208



Introducing the All New Mesa 2™ Rugged Tablet – the ultimate tool for data collection. Running Microsoft® Windows® 10, the Mesa 2 was designed to boost productivity throughout every stage of the data collection process. Designed and built to be ultra-rugged to withstand any environmental conditions, the Mesa 2 will become your office, anywhere.

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Based near Birmingham, U.K., Juniper Systems designs and manufactures ultra-rugged handheld computers for extreme environments – ideal for surveyors' needs in the geomatics and GIS industries.

See us at GeoBusiness, London, 24-25 May: Stand C-9

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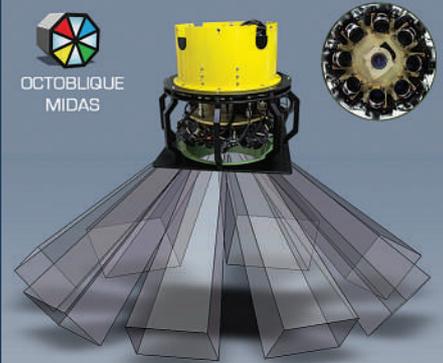


**Laser Technology, Inc.
 TruPulse® Lasers Integrating
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Laser Technology, Inc. (LTI) designs and manufactures the TruPulse® series, the most widely used professional-grade laser rangefinders in the world for field measurements and mapping. All TruPulse lasers have an inclinometer for 2-D slope values and height calculations that can be viewed right in the scope display. The TruPulse 360 models include a fully integrated electronic compass capable of producing highly accurate azimuth measurements from any angle. Azimuth is used to calculate a 3-D missing line value with a simple, two shot routine. Now, professionals can pair up their laser with a smartphone or tablet using Bluetooth® to save and organize raw measurements and calculated values. LTI's Measure App is available on Google Play and the App Store for only \$9.99 USD. Users can also buy a universal phone adaptor to align the laser's sighting scope with the smartphone's camera to have a magnified image of each measured feature. The measurements and images are saved together, which can be organized in project folders and sent to anyone via email.

Visit LTI at the GeoBusiness Show,
 Stand #L10

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Innovation in the world of Oblique Imaging is the mainstay of Lead'Air, Inc. With our latest Octoblisque MIDAS digital oblique imaging system, capturing every angle of a project has never been easier. With cameras capturing all angles at 45° degrees, missing areas between close proximity subjects are a thing of the past.

For over 20 years Lead'Air Inc./ Track'Air BV has been at the vanguard of innovation in Professional Flight Management Systems. Over a decade has passed since the inception of the highly touted MIDAS 5 Camera Oblique/ Vertical Mapping System and literally 10's of millions of images have been captured with more systems in operation than any other in the world.

Lead'Air is the manufacturing hub for the design and development of all of the Track'Air and Lead'Air products. We offer a complete line of Flight Management Systems, IMU controlled Large, Medium and Small format camera mounts for aerial digital acquisition as well as innovative new concept UAV Camera and Sensor Systems designed for all phases of professional photogrammetric applications.

Visit us at the ILMF, Denver, CO, USA
 February 22nd to 24th 2016,
 Booth 88

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Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.

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Express Server is the fastest, most reliable way to publish that imagery over networks – now with *ExpressZip* web application and painless automated upgrade process. LiDAR Compressor tackles colossal LiDAR point cloud data sets so you can distribute and view entire point clouds or any desired portions in your geospatial applications as efficient MrSID files. Our aim is to connect you with the imaging power inside the data you've paid for.

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Microsoft

ULTRACAM



Covered from all angles: The UltraCam product family lets you capture the world from an aerial, ground-level and indoor perspective

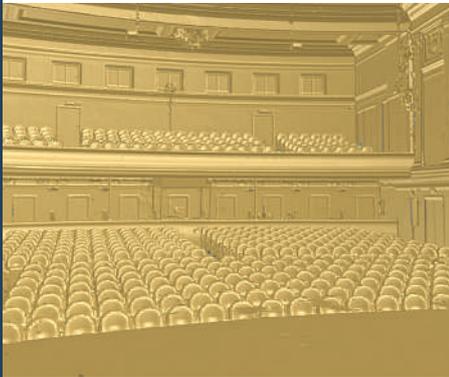
Microsoft's UltraCam Business Unit is a leading provider of digital aerial and terrestrial sensor systems. The comprehensive aerial camera portfolio includes nadir as well as oblique camera systems and was just recently expanded with the updated versions UltraCam Eagle Prime, UltraCam Osprey Prime II (see image) and UltraCam Osprey Prime Lite.



On the terrestrial side, the vehicle-based mobile mapping system, UltraCam Mustang, efficiently captures geopositioned panoramic imagery aligned with 3D point clouds. For indoor and off-road capture, it can be complemented with the UltraCam Panther portable 3D reality capture system. Finally, the fully integrated processing software UltraMap offers a straightforward workflow and constantly updated feature set and leads to an optimal output in all of the numerous areas of applications of the UltraCam product family.

Vexcel Imaging GmbH a Microsoft Company

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www.iFlyUltraCam.com



About Pointfuse

Pointfuse V2 is a powerful modelling engine that provides an automatic, fast and universal way of converting point clouds to vector geometry. This creates a more streamlined workflow compared with manual or semi-automated methods. The generated surfaces consist of 'structured' grids separated by breaklines and edges, making them more usable in third party software. Pointfuse processes data from a wide range of 3D imaging technology, regardless of the data density, scale or quality. Whether the scan is of an intricate manufactured part or magnificent architectural structure, and whether collected from hand-held, tripod-mounted, mobile or airborne platforms, the workflow is the same.

Pointfuse is automatic. Pointfuse is universal. Pointfuse is scalable and produces valuable vector geometry.

Pointfuse is developed by Arithmetica, a hi-tech company based at Shepperton Studios.

See Pointfuse at:

ILMF – Booth 75

Security and Policing – Stand A41

SPAR 3D – Booth 518

Museums and Heritage – K12

GeoBusiness Show – G1

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Announcing the latest advancements in LiDAR:

NEW! RIEGL Mobile Mapping Systems launched!

With the introduction of the VUX-1 series, RIEGL presented the VUX-1HA LiDAR sensor optimized for mobile applications. The sensor is easily mountable to all moving platforms. The scanner offers a maximum effective measurement rate of up to 1 MHz, 5 mm accuracy, 250 scan lines/sec, and a 360 degree full field of view.

RIEGL has launched two new high-speed mobile mapping systems featuring the VUX-1HA at this year's ILMF in Denver!

The VMQ-1HA, with an integrated VUX-1HA scanner is an economically priced, lightweight system for the mobile mapping market.

The new VUX-1-based dual LiDAR sensor system, the VMX-1HA, is a fully integrated turnkey solution for challenging projects and engineering-grade surveying applications. With an effective measurement rate of up to 2 MHz and up to 500 scan lines/sec, this superior mobile mapping system acquires high accuracy scan data at typical driving speeds.

RIEGL Laser Measurement Systems

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SATEL

MISSION-CRITICAL CONNECTIVITY

Satel introduces new lightweight M3-modules that have same form factor and pin outs to enable easy integration and quick swap inside host devices. Also a multiband board that combines two Satel modules, GSM and Bluetooth connection into a one motherboard is going to be available very soon.



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868...870 MHz
w/w.o AES 128
TX 500 mW
4FSK



M3-TR3
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w/w.o AES 128
TX 1 W
4FSK, GMSK
CMOS-UART



M3-TR4
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w/w.o AES 128
TX 1 W
4FSK, 8FSK, 16FSK, GMSK
CMOS-UART

Finnish, globally operating high technology company Satel specializes in private mission-critical data connectivity radios. Customers include different types of industrial operators and high technology system providers, using radios of utmost reliability in their solutions. Key application areas for Satel include control of smart utility networks, GNSS support systems (in e.g. land surveying, precision farming, machine control and marine) and Intelligent Traffic Systems.

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Height Tech (Manufactures of commercial drones) (UAVs) built in Germany offer industrial drones that can fly in winds of up to 35mph and in rain, ideal for commercial surveying.

UK Distributors for OFiL Systems

Manufactures of the DayCor Corona Camera with its high sensitivity to UV radiation and highest pinpointing resolution with reliable corona radiometric readings.

UK Distributors for YellowScan

The Worlds Lightest LIDAR system, integrated into our drones, Laser scanner, GNSS, INS and processing.



Visit us at the Drone Expo Ireland
1-3 April 2016 stand 38

Visit us at the EUROPADRONE in Lyon,
France on the 6th to 7th April 2016

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- VP6000 the best, highest accuracy reference antenna covering all GNSS frequencies plus L band.

Tallysman's patented VeraPhase® technology, provides the lowest axial ratios across all frequencies from horizon to horizon (<2.0 dBic), strong interference rejection, extremely tight phase centre variation, and a highly linear Low Noise amplifier. VeraPhase antennas are light and compact with either a flat or a conical radome.

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Trimble DIMENSIONS 2016 Save the Date!
November 7-9, 2016
The Venetian, Las Vegas



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Around the world and across a broad range of industries, Trimble solutions empower professionals to make better decisions using geospatial information. Combining positioning technologies with office and field software, Trimble is transforming work in applications including surveying, GIS and geospatial imaging as well as civil infrastructure, local government, buildings, civil engineering and construction, agriculture, transportation, utilities, natural resource management, public safety and more. Trimble solutions address the challenges of complete application and business processes that organizations face today – and tomorrow.

Trimble solutions provide rich, accurate deliverables allowing our customers to make timely and informed decisions. By integrating GNSS, optical measurement, imaging and inertial technologies with industry-specific application software, wireless communications and services - Trimble solutions allow users to collect and process spatial data that is transformed into intelligent geospatial information. This results in improving productivity, enhancing quality, lowering costs and reducing rework.

Save the Date!

Trimble Dimensions, Nov 7-9, 2016 @ The Venetian, Las Vegas

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The Z+F IMAGER® 5010X will estimate the current position of the scanner by tracking movements. The new position estimation (rough) supports the registration algorithm used in the laser scanning software Z+F LaserControl® Scout.

With the new 3D laser scanner Z+F IMAGER® 5010X and Z+F LaserControl® Scout, Zoller + Fröhlich starts a laser scanning revolution and supports an efficient scanning workflow.

Visit us at InterGeo, Hamburg, October 11-13, 2016, Hall A4, booth # D4.001

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COMPANY SHOWCASES 2016

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The September 2016 Showcase will highlight many more new products and services available from UK, Europe, the Middle East, Africa, North America and Asia. It will give readers an insight into the companies operating in these vibrant areas, their innovations and technologies.

Entry Deadline: July 2016