

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

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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

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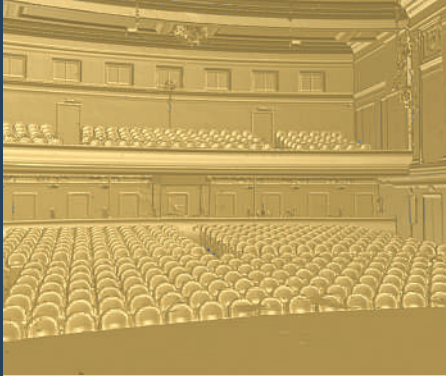


Specializing in field data collection, CAD design software, and machine control products for the land surveying, civil engineering, construction, and mining industries worldwide, Carlson Software provides one-source technology solutions with complementary hardware options for the total project. Among 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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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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www.pointfuse.com



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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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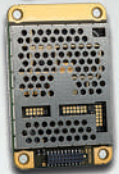
SATEL

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.



M3-TR8
868...870 MHz
w/w.o AES 128
TX 500 mW
4FSK



M3-TR3
403...437 MHz
w/w.o AES 128
TX 1 W
4FSK, GMSK
CMOS-UART



M3-TR4
403...437 MHz
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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Sky Drone Survey, Specialist in Drone technical survey applications.

Transmission / distribution power lines, wind turbines, rail electrification, land and building surveys. utilising our new airborne LIDAR system, scanning laser, infra-red, Corona and thermal imaging cameras plus 3D mapping information will drastically reduce costs on traditional methods, such as helicopters, rope access.

Our Partner:

The SPECTAIRGROUP

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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Tallysman® Expands its VeraPhase® Geodetic antenna line

Tallysman® is pleased to introduce our truly cutting edge high precision antenna family.

- VP6200 the best survey grade antenna covering B1/B2, GPS L1/L2, G1/G2, E1, plus L-band
- VP6300 the best triple band antenna covering B1/B2, GPS L1/L2/L5, G1/G2/G3, plus E1/E5a+5b.
- 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.

These truly offer superb performance at a competitive price point. Contact us for more information.

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



The Venetian | Las Vegas, Nevada

www.trimbledimensions.com Email: trimble_dimensions@trimble.com Twitter: @DimensionsUC

Transforming the Way the World Works

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

Trimble Navigation Limited
trimble_dimensions@trimble.com

Z+F
Zoller+Fröhlich



Save time and money with the Blue Workflow

The Z+F IMAGER® 5010X integrates a unique positioning system which works outdoors and, as an industry-first, also indoors! Together with the new software Z+F LaserControl® Scout it is possible to register all scans in a project fully automatically already in the field. No more targets and office work are needed.

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

NEXT AVAILABLE EDITION:
AUTUMN 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