

COMPANY SHOWCASE

SPRING 2015

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.

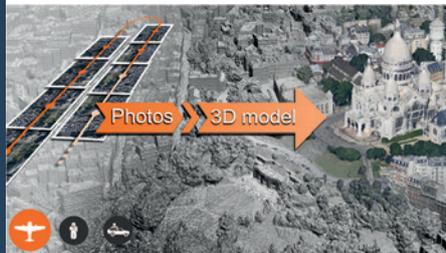
Look also for advances linked to the convergence between technologies, from CAD and BIM suites now incorporating GIS and decision support tools to smart phones used to collect and disseminate location-tagged data for commercial and citizen-oriented Open Source applications. For field use, consumers are 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 2015 (Published Sept)
Entry deadline: July 2015**

ACUTE3D

1



Capturing reality from simple photos

Stemming from more than 25 man-years of research in computer vision, Acute3D develops and sells Smart3DCapture®, a software solution allowing to produce high resolution 3D models from simple photographs, without any human intervention.

Market leaders already use Smart3DCapture®

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Coming in **5 different editions**, Smart3DCapture® offers tailored solutions to every professional, including UAV operators, geospatial specialists, land surveyors, etc.

Acute3D

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ASCENDING TECHNOLOGIES

2



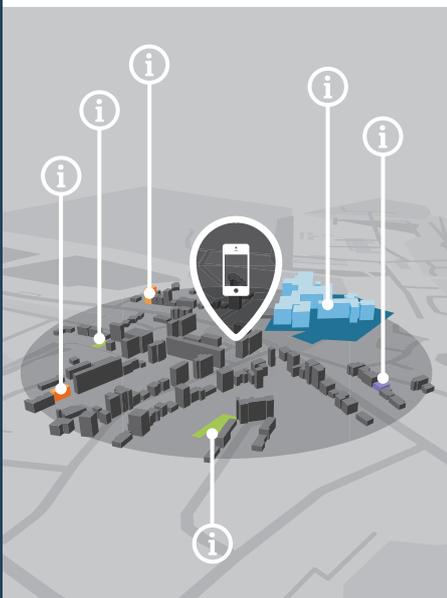
The future of surveying: AscTec Falcon 8 + AscTec Trinity – A new era of flight control.

For UAV surveying and visual inspection flights the release of the new autopilot **AscTec Trinity is nothing less than a game changer**. Many of our customers already benefit from that enormous technological lead. Even **Intel** got amazed. **AscTec Trinity** is the first fully adaptive control unit with up to 3 levels of redundancy for multi-rotor flight systems and is absolutely unrivalled worldwide. The triple redundant flight control system, which is inspired by standards in commercial airliners, ensures maximum safety. Any professional, civil application will be more efficient and safe in daily operation. Rely on **Ascending Technologies'** over 12-years-experience of development and innovation: Today **AscTec Falcon 8 including AscTec Trinity** autopilot technology is the first choice for professional UAV surveying and inspection. To get a clue of **proven repeatable positioning accuracy** and better robustness in wind view the survey flight example. And experience progress:

www.ascotec.de

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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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*WorldView-3 40 cm native resolution, Eiffel Tower, France, Sept 2014.
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European Space Imaging is pleased to announce we are now accepting data orders for WorldView-3, the newest and most capable VHR satellite in the DigitalGlobe constellation. This is in keeping with our company mission to offer European customers access to the highest resolution imagery on the market.

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Juniper Systems designs and manufactures rugged handheld computers for use in extreme environments. Both the Archer 2™ and Mesa® Rugged Notepad are rated for extremely rugged conditions, and are perfect for intensive data collection needed by the geomatics, mapping, and high-precision land and construction surveying industries.

For productivity, the Archer 2 delivers 20 hours of outdoor use with our Overtime Technology™ battery. Its touchscreen display is sunlight-visible and it features a high-sensitivity GPS/GLONASS/SBAS receiver with Bluetooth®, Wi-Fi®, and cell modem connectivity.

The Mesa Rugged Notepad combines the best of a tablet PC and rugged handheld computer in one compact data collector. With an extra-large 5.7-inch, high-visibility, colour VGA LCD screen and 16+ hours of battery life, the Mesa is ready for any data thrown at it.

The high quality of Juniper Systems' rugged handheld data collectors set the new standard for the geomatics industry.

Visit us at GeoBusiness, London, 27-28 May – Stand F-16

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Laser Technology, Inc. (LTI) TruPulse® professional-grade laser rangefinders

Worldwide, the TruPulse laser rangefinder series is by far the most widely used professional-grade lasers for field measurement and mapping applications. The newer TruPulse 200L model competes with the price point of recreational rangefinders yet it is capable of measuring and calculating professional results.

The newer TruPulse200X laser is built for the harshest conditions, delivers the highest distance accuracy (+/- 4 cm) and has Bluetooth® compatible with Windows/Android/iOS devices.

The legacy TruPulse 360 offers full 3-D mapping capabilities with a built in 3-axis electronic compass, making it a perfect tool to integrate with most GPS/GNSS handheld devices and popular data collection software for laser offset positioning and additional attribute data collection. LTI holds 66 patents with 20 more filed and pending and has been in designing cutting-edge laser measurement technology lasers for over 28 years.

See us at the GEO Business UK 2015
Conference - Booth L28

Laser Technology, Inc.

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- when it has to be **right**



With close to 200 years of pioneering solutions to measure the world, Leica Geosystems products and services are trusted by professionals worldwide to help them capture, analyse, and present spatial information. Leica Geosystems is best known for its broad array of products that capture accurately, model quickly, analyse easily, and visualise and present spatial information.

With the broadest range of competencies within the geomatics industry, Leica Geosystems delivers a comprehensive range of products that work together in a complete end-to-end workflow. Systems that integrate and operate consistently allow customers to work faster, more efficiently, and more productively.

Those who use Leica Geosystems products every day trust them for their dependability, the value they deliver, and the superior customer support. Based in Heerbrugg, Switzerland, Leica Geosystems is a global company with tens of thousands of customers supported by more than 3'800 employees in 33 countries and hundreds of partners located in more than 120 countries around the world. Leica Geosystems is part of Hexagon, Sweden.

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If the size of your data prevents your users from viewing it in the applications they use every day, then you're not getting the most out of image repositories you paid good money for.

Built around the industry-standard MrSID format we pioneered, LizardTech's geospatial products help you put all of your satellite and aerial imagery and LiDAR data into efficient service through advanced compression and manipulation tools: GeoExpress enables you to compress and manipulate raster imagery.

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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NovAtel designs, manufactures and sells high precision OEM positioning technology.

Developed for efficient and rapid integration, our products have set the standard in quality and performance for over 20 years. State-of-the-art, lean manufacturing facilities in our North American headquarters produce the industry's most extensive line of OEM receivers, antennas and subsystems. Our Waypoint post-processing software provides highly accurate post-mission position, velocity or attitude. All of our products are backed by a team of highly skilled customer support and design engineers. NovAtel Inc. is based in Calgary, Canada and is part of the Hexagon Group, Sweden.

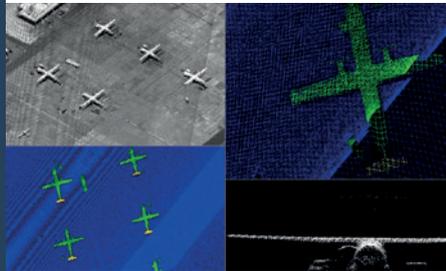
Tradeshaw Booth Numbers: AUVSI (2943), ASPRS (512), ION (F), Agritechnica (TBD)



See us at Intergeo in Stuttgart this September

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Pelydryn are experts in the acquisition, interpretation and presentation of airborne LiDAR data providing a diverse array of services including project management, topographic, bathymetric and imagery surveys to support our Clients requirements.

We offer airborne survey services using the Hawkeye and Chiroptera II topo-bathy LiDAR systems which are capable of delivering high resolution topography, bathymetry and imagery from a single flight.

We are locally sensitive and globally aware, sharing our expertise and experience to create tailored survey solutions with our clients. We strive to work in partnership with clients to develop and maintain long-term relationships that add value to their projects. By combining simultaneous collection of multiple types of data, Pelydryn can offer cost effective, highly efficient surveys over land and in the coastal zone including:

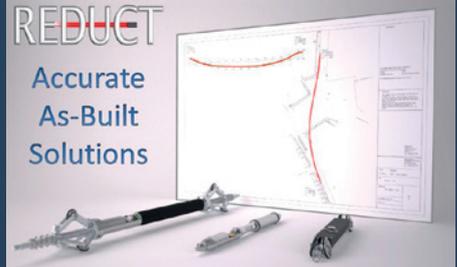
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New regulation will take you underground

Recently adopted regulations for accuracy of underground utility location, such as PAS-128 (UK) and Wion (NL), add an additional task to the service portfolio of surveyors, subsurface utility engineers and geophysicists.

To ensure that compliance with new regulations can be achieved efficiently and at an incremental cost, Reduct introduces the As-Built-Maker (ABM) pipeline mapping range that ends the perception that gyro-mapping is complex and expensive.

ABM inertial navigation probes accurately record the 3D position of pipes with an internal diameter of 40mm and up. Their compact design, simple operational handling and data-processing procedures enable skilled operators to map a 200m pipe segment within 30-45 minutes. ABM systems have no depth limits and are not impacted by electromagnetic noise.

Measurement output data includes XYZ coordinates, azimuth and inclination degrees, and can be directly uploaded to all common GIS platforms such as AutoCAD, ESRI and Microstation.

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RIEGL LIDAR 2015: One Conference in Two Exciting Locations!

RIEGL's 3rd User Conference for Terrestrial, Airborne, Mobile, Unmanned, and Industrial Laser Scanning will be held from **May 5 through May 8, 2015 in Hong Kong and Guangzhou, China.**

RIEGL is putting together a diverse and exciting agenda, proving the broad usage of RIEGL LiDAR equipment in user, partner and scientific presentations and presenting the latest developments and products in both Hong Kong and Guangzhou.

Special tracks will include Bathymetry, UAV Scanning, Mining, Forensics, and more.

Renowned international companies like Esri, Applanix, Flying-Cam, Trimble, 3D Laser Mapping, Airborne Hydro Mapping, Phase-One, Microsoft-Vexcel, iXBlue and many more will be represented at the conference and showcasing their products and services.

RIEGL LIDAR 2015 will provide invaluable networking opportunities. Join us for this exciting LiDAR event of the year!

Register now - more detailed information at www.riegllidar.com!

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This next-generation quadcopter offers full situational awareness, TripleView imaging, and a choice of automated/manual flight modes.

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Silicon Sensing based in Plymouth, UK, and Amagasaki, Japan, is a specialist in the development and manufacture of precise, reliable and affordable MEMS gyroscopes, accelerometers and inertial systems which are now being optimised for application in geographic alignment, north finding, surveying and mapping.

Recent technological advancements in MEMS design and processes mean that Silicon Sensing can now offer even higher precision MEMS gyroscopes, accelerometers and 6-DOF MEMS IMUs with unrivalled bias stability and low noise. This new range of devices is enabling industry OEMs options to offer end users lower cost, smaller and more accessible MEMS alternatives to the established optical gyro (FOG/RLG) based IMUs.

Established in 1999 but with a heritage in gyroscope and navigation technology dating back over 100 years, Silicon Sensing has supplied almost 30 million MEMS inertial sensors and IMUs to automotive, industrial and commercial markets.

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Telogis provides a comprehensive SaaS-based location intelligence platform for companies that need to manage mobile resources, vehicles and staff. Its comprehensive solution includes advanced telematics, territory planning, route optimisation, commercial navigation, work order management, mobile integration services for mobile workforces.

Telogis was established in 2001 and is headquartered in Aliso Viejo, Calif., with offices in Europe, Latin America, Canada and New Zealand. Telogis' products and services are used and distributed in more than 100 countries worldwide.

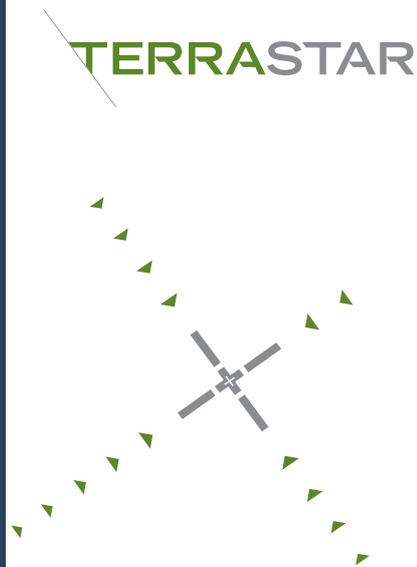
Telogis has been established in the UK since 2008, and has a growing customer base using its full range of Telogis Location products, initially launching with its GeoBase geospatial platform.

Telogis provides OEM telematics solutions for a growing number of vehicle manufacturers, these include Ford Motor Company, Volvo Trucks, Hino Trucks, Isuzu and Mack.

Visit us: CV Show, 14-16 April, NEC Birmingham, Stand No: 5J30

Telogis

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As one of the early innovators in precise positioning, TerraStar aims to be the market leader in precise land navigation

TerraStar invest millions of dollars a year in maintaining and improving a global network to gather, process and deliver an accurate and repeatable service - all day, every day. Our systems have been developed to compete in an industry where availability is as important as accuracy. If we say it will always be available, it will be.

We use 2 or more diverse network connections to every site, have massive redundancy in our TerraStar operated reference station network, operate 3 independent network control centres to process data, and transmit our data over 7 satellites to ensure that as a user you have at least two visible at any one time.

At TerraStar, we understand that accuracy is nothing without reliability.

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www.terrastar.net



Yotta provides a complete range of software and services to help local authorities, national agencies and utility companies manage and make more informed decisions about their infrastructure assets. From collecting data, providing software or advice, we aim to understand our clients' needs and provide the right tools for the job.

From SCANNER through to visual surveys, we provide robust data that can be relied upon when making important maintenance decisions.

Accredited to the latest UKPMS standards, Yotta offers a standalone MARCHpms system, which is developed to ensure clients deliver the best value from their Pavement Condition data.

We offer an integrated Mayrise software solution that comprises of Street Works & Permits, Street Lighting, Highways and Waste Management, including back office, mobile and web solutions that assist with operational decisions.

Yotta's Horizons Visualised Asset Management software takes data and turns it into effective knowledge. The whole-life approach allows all types of data to be integrated, visualised and utilised in analysis, letting clients harness what was once disparate data and apply it to inform strategic decisions.

Find out more at www.yotta.co.uk