

COMPANY SHOWCASE

AUTUMN 2017

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:
Spring 2018
(Published March)
Entry Deadline: January 2018**

BENTLEY

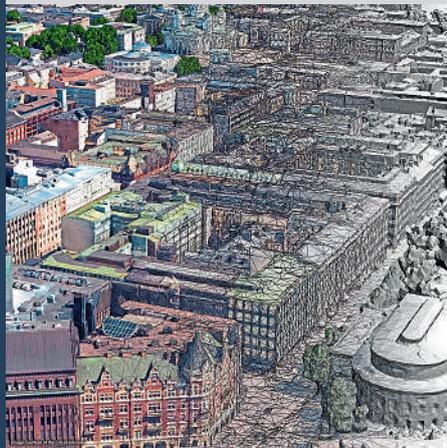
1



Bentley Systems is a software development company that supports the professional needs of those responsible for creating and managing the world's infrastructure. Bentley delivers solutions for the entire lifecycle of the infrastructure asset, tailored to the needs of the various professions – the engineers, architects, planners, contractors, fabricators, IT managers, operators and maintenance engineers – who will work on and work with that asset over its lifetime.

Bentley's reality modeling technology can quickly produce even the largest and most challenging 3D models of existing conditions for infrastructure projects of all types, including scales as large as entire cities, derived from simple photographs and/or point cloud. Users can quickly create highly-detailed 3D engineering-ready reality meshes to provide precise real-world context for design, construction, and operations decisions throughout the lifecycle of projects. Project teams can easily and consistently share information for use in any engineering, operations, maintenance, or GIS workflow.

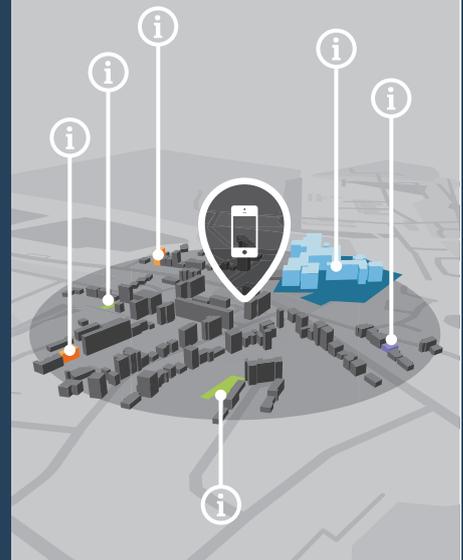
For additional information, visit www.bentley.com/ContextCapture



Bentley Systems
+353-1-436-4600
www.bentley.com

CADCORP

2



In web mapping, simplicity is the ultimate sophistication

Cadcorp's flagship web mapping product – **Web Map Layers** – is now even easier to use and includes on-line editing.

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/wml>

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

Cadcorp

Sterling Court,
Norton Road, Stevenage
Hertfordshire SG1 2JY
United Kingdom

Tel: +44 (0) 1438 747996

Fax: +44 (0) 1438 747997

e-mail: cadcorp@cadcorp.com

www.cadcorp.com



With the ability to compute a true Triple Frequency RTK pole solution using all four worldwide and multiple regional constellations, the i80 receiver brings a futureproof sub-centimeter RTK solution to surveyors and contractors everywhere.

Without the need of a data collector or computer, the i80's LCD GUI allows for common workflow operations. The CHC i80 is the smallest receiver on the market incorporating dual hot-swappable batteries, allowing for days of uninterrupted work. While small and lightweight, it is packed with a full array of sensors and modules: Internal Tx/Rx UHF, multi-band cellular modem, Wi-Fi, Bluetooth, Serial, USB, etc. – having all these modules integrated into an ergonomic package, GNSS users will realize their most productive day yet.

CHC designs, manufactures and markets a wide range of professional GPS/GNSS solutions with a strong international presence and employs more than 1000 professionals worldwide.

**Meet us at Intergeo:
Hall 3.1, Booth No. A3.014**



CHC Navigation
599 Gaojing Road, Building C,
Shanghai, 201702, China.
sales@chcnav.com
www.chcnav.com



Eos offers the world's most advanced, palm-sized GNSS receivers for iOS, Android and Windows.

The Arrow GNSS receiver product line is a complete line of high-accuracy Bluetooth receivers from sub-meter to decimeter and centimeter. All of the Arrow receivers deliver accuracy in real-time, anywhere in the world.

The Arrow GNSS receivers are compatible with Apple iPads, iPhones, Android and Windows smartphones, tablets, notebook and desktop computers.

Our products support GPS, Glonass, BeiDou and Galileo for improved performance in difficult environments such as under trees and near buildings.

All Arrow products are built to survive outdoors. They are waterproof and dustproof with an IP-67 rating. The rechargeable battery pack lasts from 9 to 16 hours depending on the model and is field replaceable.

**Visit us at: Intergeo Berlin 2017,
September 26-28, Hall 3, Booth
A3.061**

Eos Positioning Systems
191A, Rue St-André
Terrebonne, QC
Canada
Tel: +1 450 824 3325
e-mail: info@eos-gnss.com
www.eos-gnss.com



Flying-Cam designs and manufactures unmanned airborne solutions relying on 30 years of field experience. Our main expertise is Airborne Robotic Engineering covering all necessary vertical competencies needed. Our solutions are built to last and based on a unique in house developed electric platform called SARAH - Special Aerial Responses Automatic Helicopter.

Flying-Cam started in 1988 and became since a well recognized provider of close range aerial filming services to the movie industry, winning 2 Academy Awards with its innovative technology. As such, every aspect of the SARAH platform has been field tested and optimized for reliability, safety and precision in a wide range of environmental conditions.



Today we manufacture and sell the SARAH platform globally as integrated solution with modular payloads or as OEM product. SARAH is a super drone designed to resist to wind up to 80 km/h and carry 10 kg high end payloads powered up to 500 W of electric power.



**INTERGEO Booth A4.018, Berlin,
Germany, September 26-28, 2017**

Flying-Cam International Limited
++32 4 227 31 03
info@flying-cam.com
www.flying-cam.com



Headquartered in the UK, GeoSLAM are the experts in "go-anywhere" 3D mobile mapping technology. Our unique handheld technology is highly versatile and adaptable to all environments - especially spaces that are indoor, underground or difficult to access, providing accurate 3D mapping without the need for GPS. Our technology is easy to use and within minutes' customers can build a highly accurate 3D model of their environment.

GeoSLAM was founded in 2012 as a joint venture between CSIRO (Australia's National Science Agency and the inventors of Wi-Fi) and 3D Laser Mapping. Serving the surveying, engineering, mining, forestry, facilities and asset management sectors, GeoSLAM has an expanding network of 50 distributors, with a presence in over 40 countries across 6 continents.

Come and see us at:
Intergeo – Hall 1.1, Stand B1.051
Digital Construction Week – Stand C18
London Build – Stand D88



GeoSLAM

GeoSLAM, Unit 1 Moorbridge Court,
 Moorbridge Road East, Bingham, Notts,
 NG13 8GG, UK
 Tel: +44 (0) 1949 831 814
 info@geoslam.com
 www.geoslam.com



RUGGED COMPUTERS FOR TOUGH ENVIRONMENTS

Handheld Group is a manufacturer of ultra-rugged tablets and handhelds that can withstand water, dust, shock and extreme temperatures.



The all new ALGIZ 8X ultra-rugged tablet comes with an 8-inch capacitive touchscreen and has rain- and glove mode. Learn more at: www.handheldgroup.com/ALGIZ-8X

Together with a strong network of reselling partners Handheld supply rugged computers to a wide area of field applications, often in the most demanding environments.



The NAUTIZ X2 rugged handheld is a true all-in-one: a computer, a scanner, a camera and a 4G/LTE Android phone with GMS certification.

Handheld has local subsidiaries worldwide and online product information in several languages.

We'll be showing an all NEW product at INTERGEO, - don't miss out!

See us at INTERGEO:
We're in Hall 2.1, booth C2.002



Handheld Group AB

Tel +46 510 54 71 70
 info@handheldgroup.com
 www.handheldgroup.com



Juniper Systems designs and manufactures ultra-rugged data collectors for use by GIS/Geomatics professionals around the globe.

Together, the Mesa 2 and Geode create an affordable, powerhouse solution for reliable, real-time data collection.

The Mesa 2™ Rugged Tablet is available with Android® or Microsoft® Windows 10 operating systems. Completely sealed against water and dust (IP68), surveyors/GIS specialists depend on the Mesa 2 to continue working in rain or brilliant sunshine, and enjoy a variety of features including a high-visibility, backlit LCD, 7-inch screen, long-range Bluetooth®, and 8+ hours of battery life, all supplied as standard.

The Geode™ Sub-meter GNSS Receiver features real-time, precision data in a compact form. Its one-button design is easily used in the hand, in a back-pack, or mounted on a pole. Juniper Rugged (IP68), it works all day long and takes extreme temperatures in its stride. Geode is compatible with Windows®, Windows Mobile, and Android devices.

See us at InterGeo:
Hall 1.1, Stand C1.010



Juniper Systems

Tel +44 (0) 1527 870773
 4 The Courtyard, Buntsford Gate
 Bromsgrove B60 3DJ
 United Kingdom
 info@EMEA@junipersys.com
 www.junipersys.com



K-MATIC - Mobile data collection, with value added

K-Mobile is easy to use, fully customisable field data collection software, offering wide-ranging functionality as standard.

K-Mobile has been simplified to shorten learning curves and enable faster mobilisation. Job specific data is sent wirelessly to the 'field worker' so hardware selection can be based on its suitability to the day's tasks, for example, ruggedness, accuracy and screen size.

K-Mobile enables field users to take full advantage of Ordnance Survey data sets including OS MasterMap. Alternative sources of mapping data can also be integrated.

It also has the capability to run on a variety of hardware platforms and is ideal for use with a mixed fleet, working seamlessly with lasers, cable locators, RFID, and more.

K-Mobile features cloud based storage with the option of USB connection to a PC.

Track your device with K-Mobile and if your handheld has been lost the remote wiping feature allows remote data deletion to protect customer sensitive data.

Keeping workers safe in the field is a priority, K-Mobile will send immediately a field worker's location and a request for assistance to nominated e-mail addresses.

Download K-Mobile FREE Trial - www.kmobileinstall.com



K-MATIC (a KOREC Group company),
UK 0345 603 1214
IRE: 00353 1 456 4702
info@k-matic.com
www.k-matic.com



Catalyst - Software GNSS. Seriously.

Trimble Catalyst is a revolutionary technology that features a subscription-based software GNSS receiver, so you can get insanely close to your world. Whenever, wherever, you want to.

Get closer. But only when you want to.

Yesterday your phone could tell you where you were within a 5-20m. Today, with Trimble Catalyst, your phone can tell you where you are within just a few centimetres.

Catalyst features a powerful antenna that plugs directly into your Android phone or tablet's USB port. Once it's linked to cloud services from the Trimble Connect platform, you can sync and share your position and the things you map.

And, since Catalyst's revolutionary technology features a software GNSS receiver, you only use it when you need it.

- On-demand subscription service
- 4 levels of accuracy to choose from
- Use with K-Mobile and other 3rd party apps
- Works on Android smart phones and tablets

Book a demonstration - www.korecgroup.com/trimble-catalyst

KOREC
UK 0345 603 1214
IRE: 00353 1 456 4702
info@korecgroup.com
www.korecgroup.com

- when it has to be **right**



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Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems is the industry leader in measurement and information technologies. We create complete solutions for professionals across the planet. Known for innovative product and solution development, professionals in a diverse mix of industries, such as surveying and engineering, building and heavy construction, safety and security, and power and plant trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

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

**INTERGEO Booth A1.024, Hall 1.1
Berlin, Germany 26-28 September**

**Autodesk University Booth #B327
Las Vegas, USA 14-16 November**

**World of Concrete Booth C-5363
Las Vegas, USA 22-26 January**

**International LiDAR Mapping Forum
Booth 214 Denver, USA 5-7 February**

Leica Geosystems AG
Heinrich-Wild-Strasse
CH-9435 Heerbrugg
Switzerland
Phone: +41 71 727 31 31
www.leica-geosystems.com



Precision with reliability and speed

With a stand full of inspiring and technological products, the Phase One Industrial team will be on hand to demonstrate their range of high resolution cameras and control/storage systems built specifically for your unique requirements in applications such as aerial photography, mapping, agricultural, and inspection.

As a company dedicated to research, development and manufacturing of specialized industrial camera systems and equipment we understand your needs.

Amongst some exciting new products on show, will be the recently launched integrated drone camera solution, the iXU-RS range of cameras with its unique long life, central leaf shutter design and the well received 4-Band multi-spectral solution.

Visit the stand to keep up to date on all the latest Phase One Industrial technology.



**Exhibiting at Intergeo:
Hall 4.1, Booth B4.002
Come and view our winning digital aerial cameras.**

Phase One Industrial
Roskildevej 39
DK-2000 Frederiksberg
Denmark
Phone: +45 36 46 0111
info@phaseone.com
industrial.phaseone.com



Visionmap, a business unit within Rafael Advanced Defense Systems' Air and C4ISR Systems division, manufactures highly advanced airborne imaging systems based on a propriety imaging technology and used for defense, HLS and commercial mapping applications. These battle proven, operational systems include aerial cameras, processing systems and high-end customized software. They are successfully deployed and are providing critical information on a daily basis worldwide. Quickly covering vast areas with an extremely high resolution, and with fast turnaround time, these systems support large scale missions and projects. Deployed on either manned or unmanned airborne platforms, they collect complimentary color and thermal images day and night and support multiple applications.

Rafael advanced defense Systems Ltd. Is a world leader in highly advanced defense systems for air, ground, naval and space applications, deployed and operational worldwide.

See us at Intergeo at booth B5.014

Rafael
972-73-335-4444
intl-mkt@rafael.co.il
www.rafael.co.il



Exciting News for INTERGEO!

RIEGL Expanding Their Comprehensive Sensor and System Portfolio!

RIEGL's proven Smart-Waveform LiDAR technology is well known for delivering high-end sensors and systems for demanding surveying missions. Expect a further expansion of RIEGL's sensor and system portfolio to find the perfect solution for your needs!

RIEGL's latest advancements in terrestrial laser scanning will be unveiled at our booth at INTERGEO. Come by to see the newest development for topography and mining! For airborne laser scanning, new versions - from special varieties of the miniVUX-1 to a sophisticated Dual Wavelength High Altitude/ Large Scale Mapping System - will show RIEGL's expertise. And with the RiCOPTER-M, a new, increased payload RIEGL UAV is ready to take off for demanding missions, offering advanced performance and safety.

Come experience the new items of the RIEGL product portfolio, meet with our team of international experts and network with the worldwide RIEGL community at **booth C4.032 in hall 4.1!**

The RIEGL team looks forward to meeting you in Berlin!

RIEGL Laser Measurement Systems
Riedenburgstrasse 48
3580 Horn, Austria
phone: +43 2982 4211
e-mail: office@riegl.co.at
www.riegl.com

SATEL

Mission-Critical Connectivity

SATEL – AT YOUR SERVICE GLOBALLY

We are one of the world's leading experts and innovators in independent radio technology. Our solutions support your business with secure, mission-critical connectivity. They are used in a wide range of industrial applications including land surveying, precision farming, machine control and many more. Radio technology has many benefits from environmental, operational and financial perspective. It can also be used to help make our planet a greener place.

- High quality short and long-range solutions
- Licence free and licenced UHF and VHF frequencies
- Easy implementation and use
- Strong expertise, service and support

Check our novelties!

SATEL Compact-4BT combines UHF radio modem, Bluetooth and internal battery with IP67 classified housing. Small SATELLINE-M3-TR489 radio module has three frequency band options.

Meet us at Intergeo on September 26–28 hall 1.1, stand A1.035

Come and see us also at Agritechnica on November 12–18 hall 15, stand 15F20

SATEL Oy

P.O.Box 142, FI-24101 Salo, Finland
Tel. +358 2 777 7800
info@satel.com
www.satel.com



Senceive's FlatMesh technology is the world's most reliable, robust, long lasting and cost effective wireless asset condition monitoring system. Explicitly designed for Structural and Geotechnical monitoring applications, it's utilised across world with 1000's of deployments every year.

FlatMesh combines: low power and ultra-long life; low energy intelligent computing; high precision, high stability and high-resolution sensors. With a relentless focus on R&D and outstanding customer service, Senceive applies its know-how and expertise to solving challenging and difficult structural/geotechnical monitoring problems



Our award winning wireless range includes:

- Tri-axial tilt/deformation sensor
- Nano and Nano+
- Multiple sensor technology interfaces
- Wireless infrared camera
- Beam array

Visit us on stand C1.020 at Intergeo, Berlin and see the groundbreaking Nano tri-axial sensor. With sub 1 minute reporting, the Nano has a resolution of 0.0001° (0.0018mm/m) and repeatability of ±0.0005°. Unparalleled specifications in a unique miniature form make it the true future of wireless tilt sensing.

+44 (0) 207 731 8269
info@senceive.com
www.senceive.com

SXblue



SXBlue

SXblue is a Canadian brand of Survey grade GNSS receivers established in 2003. This year, we are moving our brand forward with a new logo. We are also proud to introduce our ultimate survey grade GNSS receiver: SXblue Platinum.

Powered by its 394 channels, the SXblue Platinum uses all-in-view constellations (GPS, GLONASS, Galileo, BeiDou and QZSS) with triple frequency and provides the ability to use a global or local coverage for corrections (SBAS, L-Band and RTK).

With the scalable SXblue Platinum Basic, you can activate any frequency or constellation at anytime following initial purchase. The receiver is also field upgradable which means that these options can be remotely activated at your convenience.

In addition to location performances when working in a restricted environment, the SXblue Platinum is introducing an L-band signal correction via the Atlas service which delivers up to sub-decimeter accuracy.

With a wide variety of compatible software and mobile devices, our team can help you choose the perfect solution for your applications such as agriculture, engineering, mining, utilities, surveying, GIS and more.

SXBlue

10700 Secant St.
Montreal, QC, Canada
H1J 1S5
Tel: (514) 354-2511
E-mail: info@sxbluegps.com
www.sxbluegps.com



Traverse PC continues 30 years of being the Innovation Leader in land surveying software in 2017.

Because we aren't restricted by the problems of using a traditional CAD engine for drawings, we are able to focus on the tools that surveyors everywhere use every day! In 2017 we have added support for all units of measure as well as unlimited automatic labeling options and more.

We can't say enough about our proprietary Quick View™ Technology. Draw everything the same using templates and stored settings, or choose settings for individual traverses and you have a very sophisticated drawing without ever drawing a thing yourself.

TPC has used Quick View™ since its inception in 1987. Now, millions of drawings later, it is still the leader for survey drawings because it works like surveyors do.

And of course, we provide all of the decision making tools and precision that you need every day. With a full suite of COGO, closure and adjustment tools and an easy interface, you can do all of your survey computing and drawing in TPC. Of course you can always send to and receive files from those poor individuals who are tied in to using traditional CAD.



Traverse PC
+1 541-997-3518
sales@traverse-pc.com
traverse-pc.com



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

Vexcel Imaging is a leading provider of digital aerial and terrestrial sensor systems. The comprehensive digital aerial camera portfolio provides a wide range of imaging capabilities from wide-area mapping to nadir and oblique camera systems.

On the terrestrial side, Vexcel Imaging offers the UltraCam Mustang, a car-based Mobile Mapping System and the UltraCam Panther, a versatile and portable platform that carries complementary sensors to capture full-spherical imagery and video, dense 3D LiDAR point clouds and precise geopositioning information in both indoor and outdoor environments.

The system family is complemented by the fully integrated processing software UltraMap delivering exceptional quality point clouds, DSMs, ortho imagery and 3D textured TINs.



**See us at Intergeo 2017
(Hall 4.1, Booth C4.022)**

Vexcel Imaging
Anzengrubergrasse 8
8010 Graz, Austria
+43 (0) 316 849 066
info@vexcel-imaging.com
www.vexcel-imaging.com



Meet the WingtraOne: a professional drone that simplifies mapping and surveying through easy and smart aerial data collection.

Thanks to its unique design, the WingtraOne is as easy to use as an agile multicopter with the long range and speed of a high endurance fixed-wing airplane. Its smart navigation software, WingtraPilot, allows you to intuitively plan your survey flight. It can be customized with various high-end cameras to capture high-resolution aerial images to generate accurate orthomosaics and 3D models.

The WingtraOne is available in Europe, US and China. Our field of application already envelopes such diverse areas as surveying, agriculture, glacier monitoring, and wildlife research. Check out our homepage to learn more about the WingtraOne and its workflow.

Meet us at Intergeo Berlin! See us at our booth IAS.B025 and join our presentation at IAEXPO innovationsFORUM, September 26, 2017, at 1pm.



Wingtra AG c/o ETH WEH H
Weinbergstr. 35, 8092 Zürich
Switzerland
hello@wingtra.com
www.wingtra.com