

HERE AND HONDA PROVIDE CANADIAN CUSTOMERS TRAFFIC UPDATES THROUGH HD RADIO(TM) TECHNOLOGY

HERE has partnered with **Honda Canada Inc.** and the **Broadcaster Traffic Consortium (BTC)** to provide the first in-vehicle **HD Traffic** service in Canada. Honda is the first brand to offer the service to its customers on certain 2015 and 2016 models. **HERE HD Traffic** allows drivers and passengers to view detailed information on local traffic conditions in real time on their vehicle's audio display screen. **HERE HD Traffic** will be available in most areas and expected to expand to additional Canadian markets in the future. **HD Radio(TM)** technology operates on greater bandwidth, in contrast to the Radio Data System (RDS) standard, allowing more information to be transmitted to the vehicle display screen such as weather reports and nearby fuel price information. **HERE HD Traffic** enables drivers to view this dynamic information without the vehicle being connected to a wireless network. <http://360.here.com>.

ADVANCED NEW GLOBAL DATA RELEASE FROM EUROPA TECHNOLOGIES

Europa Technologies announces a major new release of its renowned suite of global map data products that are used by many **Fortune Global 500** companies, governments and missions of the **United Nations**. The company has global licence agreements with a number of leading Internet-based service providers including **Google**. Through deployment via **Google Earth** and **Google Maps** alone, **Global Insight Plus** has been seen by over one billion people - approximately 1 in 7 of the world's entire population. In addition to GeoTIFF format, grid-based layers are now available in **MRR (Multi-Resolution Raster)** format for high performance display and analysis with **MapInfo Professional** software. The new product release will also be available as a service through the award-winning **viaEuropa** platform. **viaEuropa** provides access to hosted, high quality cartography as OGC-compliant web services which can be easily consumed by desktop, mobile and web applications. www.europa.uk.com



GARMIN® THRILLS WITH NEW ZUMO® MOTORCYCLE SAT NAVS

Garmin International Inc. has released the new **zūmo 345LM, 395LM** and **zūmo 595LM** motorcycle sat navs. The rugged, weather-proof models offer **Garmin Adventurous Routing™** so riders can select the level of twists and hills on every journey. The **zūmo** presents innovative features specifically designed for motorcyclists with the introduction of rider alerts, helpful smart features, new streaming music options and much more. "What's exciting about the new **zūmo** models is that they are designed

to find those adventurous winding roads that riders typically crave," said **Kirsty Quartley, Garmin UK PND Product Manager**. "The ability to stream music will also enhance the thrill of every ride." Garmin recognises safety as a top priority for motorcyclists by including new rider alerts to help increase situational awareness. Riders can be notified of upcoming sharp curves, nearby red light and safety cameras animal crossings and many other useful alerts. www.garmin.com/zumo

ELBIT'S ENHANCED FLIGHT VISION SYSTEM FOR HELICOPTERS, HELIEVS™

Elbit Systems' recently performed several flight tests with the **Helicopter Enhanced Flight Vision System (EFVS), HeliEVS™** in its operational configuration, combining the EVS sensor, HUD and fused image display processor. The operational configuration flight tests were performed onboard a BO105 test-bed helicopter, testing the system during different hours of the day, in various locations including a variety of maneuvers such as rooftop landings and oil rig approaches above the sea, in order to evaluate real operational flight conditions during SAR, EMS and rig transportation missions. Flights results indicate significant contribution to situational awareness and safety. Pilots indicated that they

could recognize, even at night and from long distances, obstacles and landing point around the oil rig and to be able to plan ahead optimal approaches. All flight information and video image were displayed in front of the pilot eyes on the SkyLens / Skyvis wearable HUD systems. www.elbitsystems.com



UK GIVEN GREEN LIGHT TO BECOME WORLD LEADER IN DRIVERLESS CARS

A consortium of leading UK businesses has secured funding from **Innovate UK** to examine the data requirements needed to support autonomous navigation. The ground-breaking **'Atlas' initiative** will study data critical to the efficient operation of autonomous vehicles and how it can be enhanced. Testing the feasibility of maintaining, processing and distributing this data is a core element of the project. Autonomous vehicles will need to find their way reliably and safely through a vast network

of streets while interacting with driven and other autonomous vehicles. Sections of road, other than motorways will be equipped with beacons using the potential of 5G technology and geospatial accuracy to sense 'unexpected objects' (a.k.a 'children and animals'), that may stray into the path of an oncoming autonomous vehicle. **Atlas** is an important project to enable safe navigation of vehicles and help to transform the transport system and ultimately save lives. www.ordnancesurvey.co.uk

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EXHIBITORS

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KEYNOTES INCLUDE:



Robert Cardillo
Director, National Geospatial-Intelligence Agency



The Honorable James R. Clapper
Director, National Intelligence



Phil Gilbert
General Manager, IBM Design



Parag Khanna
TED Speaker, Global Strategist, and Managing Partner of Hybrid Reality



Dr. Suzette Kimball
Director, U.S. Geological Survey



The Honorable Marcel Lettre
Under Secretary of Defense for Intelligence



SERCEL 508XT LAND ACQUISITION SYSTEM PASSES 1 MILLION VP MILESTONE IN SAUDI ARABIA

CGG has announced the successful large-scale deployment of Sercel's new-generation 508XT land seismic acquisition system on a high-productivity super crew conducting a seismic survey in Saudi Arabia. The system is currently deployed on a crew operated by ARGAS, CGG's joint venture with TAQA, and achieved the milestone of one million VPs (Vibrated Points) in January 2016. The ARGAS land crew has been working in Saudi Arabia since October 2015, where it has consistently provided outstanding vibroseis production rates while recording highly accurate seismic data. Saad S. Al-Akeel, ARGAS CEO, said: "In addition to the direct benefits of its X-Tech architecture, the 508XT's low power consumption combined with a requirement for less field units and batteries brings a significant weight saving, directly impacting our crew productivity and minimizing our HSE exposure." The 508XT equipment is easy to manage with excellent reliability. www.cgg.com

CADCORP ANNOUNCES HOSTED WEB MAPPING SERVICE FOR UK HOUSING ASSOCIATIONS

Many smaller housing associations could be missing out on the benefits of using geographic information simply because they are unable to justify employing a dedicated mapping expert. Recognising this, Cadcorp, is introducing a service designed specifically for housing associations that manage less than 10,000 properties. The new service provides a housing association with Internet access to Cadcorp's flagship web mapping product, **Web Map Layers**. It is an easy-to-use off-the-shelf application for presenting and interrogating spatial data. The software is hosted on Microsoft's secure cloud platform, Microsoft Azure, and Cadcorp partner, **emapsite™**, supplies mapping data sourced from **Ordnance Survey®** – both detailed licensed data and open data. Cadcorp will work closely with the housing association to set up and configure the application, and manages the software and data updates on the customer's behalf for the duration of a project. www.cadcorp.com



ANGLIAN WATER EXPANDS VEHICLE TRACKING SOLUTION WITH CTRACK

Anglian Water has extended its vehicle tracking solution with **Ctrack** across a further 500 vans within its fleet having already achieved a host of benefits in terms of road safety, fuel efficiency and environmental responsibility. A year after the initial 750 vehicles were fitted, the number of road accidents across Anglian Water's commercial fleet operation had fallen by 14 per cent, while fuel efficiency improved by 10 per cent and carbon emissions dropped by 4 per cent.

Anglian Water uses **Ctrack Online's** reporting tool to capture management information regarding driver performance and driving exceptions. This has enabled the company to identify areas of improvement and maximise its driver training initiative, resulting in an almost fifty per cent reduction in the number driver exceptions, such as speeding and harsh acceleration, braking and cornering – from 25 miles per event to 49 miles per event. www.ctrack.co.uk

PLP ARCHITECTS USE SPHERON FOR ACCURATE GLASS VISUALIZATION STUDIES

Spheron-VR AG are pleased to reveal how the architecture firm **PLP Architecture** have been using **Spheron HDR** camera equipment to capture real-world luminosity for use in accurate glass 3d visualization studies. PLP Architecture, based in London, is currently testing the next generation of computer visualization technologies to make visualizations of future glass buildings more accurate. As modern windows and glass facades become more and more complex, the ability of architects to visualize

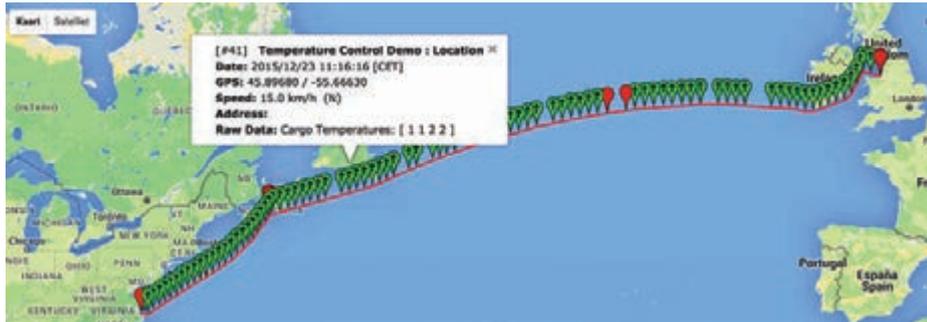
buildings accurately becomes more and more compromised. Using the unique **Spheron-VR Camera**, an image of the building's proposed site can be taken in full 360 degrees. A new accuracy in approximating both the performance and appearance of glass facades, and the lighting conditions in a specific location, means that PLP can deliver the next generation of glass buildings with the most accurate visualizations possible. www.spheron.com



IOT AND SATELLITE DELIVERS FRESH TASTING CRAFT BEER

Globalstar Europe Satellite Services Ltd. announced that its STX3 chipset is underpinning the first **Internet of Things** system for monitoring craft beer while it is shipped around the world. US beer distributor, **B. United International**, is deploying **Ovinto's** satellite-enabled sensor technology to monitor the location, temperature and pressure of hundreds of beer, cider and mead brands as they are shipped in tank containers from breweries around the world. Using Globalstar's satellite communications, B. United

can benefit from real-time details about the status of beer in each container, even when it is in transit across the ocean. Bringing new levels of transparency to the beer distribution industry, B. United will publish live satellite data about each tank container of beer. By sharing this information with both hospitality industry business customers and consumers, B. United underscores its commitment to freshness and quality in the world of artisanal brews. www.globalstar.com



REZATEC PROVIDES SATELLITE-DERIVED DATA ANALYTICS FOR SOUTH WEST WATER

Rezatec has been using cutting edge **Earth Observation** techniques to assist **South West Water** on a project to map and understand the condition of its peatlands. South West Water is working with partners in its **Upstream Thinking Programme** to improve drinking water quality and reduce treatment costs

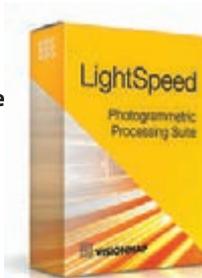


through improved catchment management around **Bodmin Moor** and **Exmoor**. For South West Water and the Mires Partnership on Exmoor, understanding the underlying peatland structure and integrity is crucial for restoration planning. With this in mind, Rezatec is applying its proprietary analytics to provide South West Water with comprehensive Landscape Intelligence maps for Exmoor and Bodmin Moor. Processing a variety of Earth Observation data such as optical, near-infrared, thermal and LiDAR, Rezatec derives high-value Data Products, accessed via an online portal, that allow the company to understand the location, structure, and function of peatland in its drinking water catchments. www.rezatec.com.

VISIONMAP TO RELEASE LIGHTSPEED VERSION 4.0

VisionMap is to release **LightSpeed 4.0**, the newest version of its flagship photogrammetric processing suite. LightSpeed 4.0 includes several exciting new features, particularly in **Dense DSM** production. A new photogrammetric dense point cloud module has been introduced to LightSpeed based on **nFrames' Semi-Global Matching (SGM) algorithm**, allowing for faster and more accurate dense DSM generation. Thanks to this development, **VisionMap's A3 Edge** mapping system can produce better than LIDAR-quality DSM, with 2-3 times higher resolution and productivity. A3 Edge is able to survey vast areas significantly faster than LIDAR thanks to its unique imaging technology.

Additionally, a revolutionary upgrade has been made to the **LightSpeed Control Centre**, featuring an intuitive **Windows-based UI**. Some of the new capabilities include drag and drop functionality, hotkeys, flexible sorting options and another new feature is **Timeline Report**, an advanced management tool that allows monitoring the job progression and parallelization throughout the servers. www.visionmap.com.



BESTFACT: BEST PRACTICES TO SPUR INNOVATION FORWARD

Over a period of 4 years, scientists collected, developed, evaluated and disseminated innovative ideas for city logistics, green logistics, co-modality and e-freight as part of the EU project **Best Practice Factory for Freight Transport (BESTFACT)**. A new handbook, which includes 157 sustainable best practice examples from across Europe, is now available. The aim of the evaluation and implementation of best practice examples from European cities of different sizes is to help reduce negative environmental effects, improve transport execution efficiency and, above all, present the positive results of such measures. The project was coordinated by **PTV** and as part of the four-year project, the **BESTFACT** partners created a knowledge database and hosted conferences and workshops in various European cities in order to select best practice examples which are in line with the EU's transport logistics objectives. www.ptvgroup.com.

TRIMBLE 4D CONTROL SOFTWARE SUPPORTS IBIS-FM RADAR DEVICE

Trimble has introduced the latest version of its **Trimble® 4D Control™** monitoring software that supports the **IBIS-FM** radar device, which is manufactured by the **GeoRadar Division of Ingegneria Dei Sistemi (IDS)**. **IDS** pioneered radar technologies for a variety of applications such as slope stability and structural monitoring in open pit mining. The **IBIS-FM** radar device continuously scans in all-weather conditions and detects movements with sub-millimetre accuracy for distances up to 4 kilometres. Due to its long-range capabilities combined with high resolution and fast scan time, the device provides reliable fast alarm responses. The addition of **IBIS-FM** support in **Trimble 4D Control** software 4.5 can trigger early warning detection of slope instability to improve safety for workers in open pit mines. Radar technology plays a significant role in effective project safety management in monitoring operations involving highwalls, excavated faces and potentially unstable slopes, which create hazardous work environments. www.trimble.com

HEXAGON IMPROVED MINE PLANNING SOFTWARE IN BUNDLE RELEASE

Hexagon Mining has introduced new functionality and enhanced performance in a bundled update of its mine planning software, **MineSight. Implicit Modeller** and **MineSight 3D** boast several new features designed to make life easier for geologists. **MS3D Version 11.0** now sees full drillhole view and model view support in the **xViewer**, which simplifies work with complex models and data. Millions of blocks can be displayed and managed, giving you the flexibility to use large data quickly. The xViewer continues to push the boundaries of graphics systems, delivering the best performance possible. Version 11 also sees a redesign of the **Drillhole Design Tool**. Now you can store planned drillholes directly back to Torque, and start designs from both the collar and target locations. This saves time in the design process and allows you to exploit the integration of Torque and MS3D. www.hexagonmining.com

VEXCEL HOLDINGS ACQUIRES MICROSOFT'S ULTRACAM BUSINESS UNIT

After ten years contributing to Microsoft as a subsidiary, **Vexcel Imaging GmbH** will again become an independent company upon its expected acquisition by a private investor group.

The new owner will be **Vexcel Holdings GmbH in Graz**, with the following shareholders:

Erik Jorgensen, former Microsoft CVP of Bing and MSN, and will lead Vexcel Holdings GmbH, **Stephen Lawler**, former CTO of Bing maps, **Alexander Wiechert**, CEO of Vexcel Imaging GmbH and running the UltraCam business, and **Martin Ponticelli**, Development Manager of the UltraCam Business Unit. "I am looking forward to working with this excellent team of highly qualified technicians and engineers again. I have no doubt that the company's innovative culture will ensure our current market leadership position and the growth of our company in the future", said **Erik Jorgensen, Chairman of Vexcel Holdings GmbH**. www.vexcel.com



MICELLO AND EECEO TEAM UP FOR INTERACTIVE 3D INDOOR MAPS

Micello, Inc. has announced a partnership with **eeGeo**, the 3D mapping company, to deliver interactive three-dimensional visualizations of interior spaces. The combined solution provides venue owners a seamless integration between Micello's indoor maps and eeGeo's 3D mapping and visualization platform. **Ian Hetherington, CEO of eeGeo** said, "With Micello's new Data APIs, we can automatically import Micello indoor maps describing building interiors into our 3D representation of the world. The results are

stunning. Thanks to Micello's global inventory of maps we are able to seamlessly generate 3D views of thousands of destinations around the world." **eeGeo's Recce iOS and Android** app showcases Micello's indoor maps by providing life-like and animated 3D views of interior spaces. The app allows users to interactively explore the world in 3D, seamlessly moving between exterior and interior views as they orient themselves with real world landmarks. www.eegeo.com
www.micello.com

RINSPEED ETOS VISIONARY CONCEPT CAR FEATURES TOMTOM BANDIT ACTION CAM

TomTom announced that Rinspeed's latest visionary concept car, **etos**, will feature the **TomTom Bandit** action cam. **etos** is a revolutionary concept car that brings autonomous driving further with a fully autonomous mode as well as a manual drive option. The vehicle includes an on-board DJI drone boasting a TomTom Bandit action camera, which records footage of the driver's exploits on the road. Thanks to the Bandit's ability to edit footage without having to

download it, the driver can shoot breath-taking UltraHD quality video, then edit and share it in a matter of minutes, not hours. Made possible via the Bandit's built-in Media Server and video highlights captured by in-camera action sensors. **Peter-Frans Pauwels, Co-founder of TomTom** said "We are extremely proud to be part of such an exciting concept car and to have the chance to showcase our Bandit action cam along with such inspiring automotive technology". www.tomtom.com



RIEGL AND AEROSCOUT ANNOUNCE STRATEGIC PARTNERSHIP!

RIEGL and **Aeroscout** have worked closely for many years. As a pioneer in the **UAV LiDAR** field, **Aeroscout** has integrated **RIEGL** scanners into many of their systems. RIEGL and Aeroscout have now strengthened their long-standing business relationship by entering into a strategic partnership, which both companies expect to benefit their technological exchange and input for future development of highly advanced UAV platforms with integrated LiDAR solutions. This partnership further strengthens both RIEGL and Aeroscout's UAV LiDAR leadership role in the industry by reinforcing long-term cooperation between the two companies and expands the portfolio of products that RIEGL offers to meet UAV



LiDAR mapping demands. The cooperation, now based upon RIEGL's shareholding in Aeroscout, will further intensify the already existing bond between the two firms and benefit both companies' position in the international markets by offering an even broader array of highly advanced, LiDAR sensors integrated in UAV/UAS platforms. www.riegl.com www.aeroscout.ch

VSTEP DELIVERED NAUTIS FULL MISSION BRIDGE SIMULATOR TO HELMEPA

HELMEPA purchased a **NAUTIS DNV Class A FMB Simulator and Instructor Station** for training of its fleet members. The simulator was delivered in Q3 2015 and installed by **VSTEP** at HELMEPA premises in Athens, Greece. The simulator is being used to train the navigation and maneuvering skills of HELMEPA's member shipping companies' personnel. **Joost van Ree, VSTEP Sales Director** said, "We are proud to announce that a non-profit organization like HELMEPA has joined the VSTEP simulator family. Our FMB simulator allows

HELMEPA members to train effectively ship and boat handling skills in compliance with the latest IMO requirements and model courses." VSTEP delivered the simulator and provided selected HELMEPA staff with in-depth train-the-trainer courses for operation and maintenance of the simulators. HELMEPA is the pioneering voluntary marine environment protection association and in its capacity as **The Maritime Training Centre for Pollution Prevention, Safety at Sea and Environmental Awareness**. www.vstepsimulation.com

SEVENCs SUPPORTS "MARIGREEN" PROJECT

SevenCs is happy to be part of the **EU INTERREG V**, a cross-border project "**MariGreen**" to support the maritime industry in the transition towards more efficient, greener and more sustainable shipping. The MariGreen project develops innovations for greener and low-emission shipping and supports in particular small and medium enterprises. There are twelve innovation projects behind "**MariGreen**" that are dealt with by a total of 59 partners located in the Netherlands and Germany. Alternative fuel for ships, Wind Energy Systems for freight and passenger shipping, improvement of logistics operations, resource-efficient ship operations and safety issues in nautical education and training are among the main topics. As a partner in the subproject "**Windship Modelling and voyage optimization**" **SevenCs** will investigate together with their project partners' vessel modelling software providing automated voyage optimization criteria for wind propulsion supported vessels.

www.marigreen.eu www.sevencs.com

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MAPTEK TECHNOLOGY HELPS SECURE OPTIMUM MINING OUTCOMES

All facets of mining increasingly rely on capturing and using quality data improves production and increases profitability. Mining technology specialist **Maptek** develops robust systems that apply mining data to more accurately design and model an operation. **Maptek Vulcan 10** contains a wide range of new and enhanced applications for modelling and analysing data. Performance upgrades will also allow mining professionals to work more efficiently, particularly when working with large datasets. The dynamic cut-off grade approach optimises material movement, which in turn maximises project value. Evolution can be applied across planning horizons from short term to life of mine planning. Just released, **I-Site Studio 6** features advanced tools to streamline survey data modelling, analysis and reporting. Surveyors, geologists and engineers can take advantage of new CAD, geotechnical and geology tools, auto-registration and scan alignment, complex surface modelling and waviness analysis. www.maptek.com

LPS SELECTS INTELLIGENT TELEMATICS' 3G VEHICLE CAMERA SOLUTION

LPS, the container logistics business, is targeting road safety improvements and insurance savings with a 3G-vehicle camera solution from **Intelligent Telematics**. The company has installed the industry-leading **IT1000** device across a fleet of 38 HGVs, having recognised the added benefits available over traditional SD-card cameras. The IT1000 will enable LPS to access high definition footage of a collision within seconds of it occurring along with supporting vehicle data. This first notification of loss (FNOL) will help the company better manage the claims handling process, quickly proving fault and keeping insurance costs to a minimum. LPS will also use the 3G-vehicle camera solution to enhance driver behaviour, monitoring crashes, near misses and harsh driving events to identify areas of improvement within the HGV fleet. From its base the company will have full visibility of driver performance to help reduce vehicle-related accidents and mitigate any existing financial and operational risks. www.intelligent-telematics.co.uk



SPOT CELEBRATES THREE DECADES OF SUCCESS AND INNOVATION

Since the **SPOT 1** launch thirty years ago, SPOT satellites have covered the land area of the Earth more than 700 times, setting a world record for spatial observation. On 22 February 1986, a unique success story began: Europe's first Earth observation satellite, SPOT 1, lifted off from Kourou on board an **Ariane 1** launcher. It opened the door to three decades of major technological innovations and a host of new applications. SPOT 1 was equipped

with steerable mirrors, enabling it to look to the right and left of its path, unlike other earth observation satellites during that time. Thanks to this first technological revolution, it was able to observe a given site every 5 days and measure the elevation of the terrain. It acquired images with a resolution of 10 m for a footprint of 60 km, that was unique and one that has been retained by its successors. www.airbusdefenceandspace.com

WATERLOO OPTIMIZES ROAD INFRASTRUCTURE MAINTENANCE WITH FUGRO PARTNERSHIP

The Regional Municipality of Waterloo, Toronto, Canada, has awarded **Fugro Roadware** a contract to collect updated images for its road right-of-way inventory. The contract covers 1,400 lane kilometres of regional roads and provides a web-based solution for digital image playback and data review. Web-based data access maximizes the region's budget by reducing time consuming and costly field visits by sharing information with various groups within the Municipality such as Operations and Bylaw. **Fugro's**

Automated Road Analyzer (ARAN) system also collects the **International Roughness Index** and wheel track rutting of the road, and assets such as guardrails, signs and road striping. This data can then be used in the future for updating inventories and condition assessments. Fugro's unique multi-functional asset data collection vehicle, the **ARAN 9000**, is equipped with cameras, profilers and lasers to collect specific asset and pavement data, including transverse profile and road roughness. www.fugro.com

