

BLUE MARBLE RELEASES GEOGRAPHIC CALCULATOR 2017 FOR SEISMIC SURVEY DATA

Blue Marble Geographics has launched **Geographic Calculator 2017**, a major version release for performing quality control on seismic survey data; it includes updates to the geodetic datasource, which forms the core of the application; and it adds the **Ordnance Survey OSTN15** geoid model for improved vertical coordinate transformations in the UK. The 2017 release incorporates the most current EPSG database definitions into the datasource ensuring accuracy in any calculation workflow. The most significant enhancement in the 2017 release is the inclusion of the new **Seismic Survey QC** job for checking the quality of preplot and poststack seismic lines between UKOOA and SEG-Y files. This multifaceted component simultaneously checks the line accuracy; validates the heading; locates duplicate shot records; counts the number of points and lines in each seismic file; and generates a report of those points that are outside the required specifications. www.bluemarblegeo.com

GETOOLS FROM KILLETSOFT SUPPORT PRECISE NTV2 SOLUTIONS FOR REAL ESTATE CADASTRES

With the introduction of the official **Coordinate Reference System** UTM/ETRS89, all spatial thematic data must be converted in the medium term. In addition to the nationwide NTV2 approach BeTA2007 with accuracy in the mean decimeter range, all German Federal States have provided their own transformation methods with higher accuracy, mostly in the lower decimeter range, for their territories. Since the NTV2 files BY-KanU and BWTA2017 currently contain test data, which in parts do not yet have the required accuracy, no spatial thematic data may be productively transformed. However, **KilletSoft** has already prepared its Geodetic Development Kit **GeoDLL** and its Coordinate Transformation Program **TRANSDAT** for the high-precision coordinate transformations with BY-KanU and BWTA2017. Users of these tools will be possible to do cadastral-exact coordinate transformations with GeoDLL and TRANSDAT immediately after release of the final NTV2 files by the surveying authorities. www.killetsoft.de



FIRST TRIMBLE SX10 HITS THE SOUTH!

KOREC are delighted to announce that London based **South East Site Engineers Ltd** (SESE) has become the first company in the South of England to take delivery of a KOREC supplied **Trimble SX10 Scanning Total Station**. Specialising in BIM Level 2 standard measured surveys and setting out services in and around London and the South East, SESE is a family run business that prides itself on delivering a 'professional, prompt and precise' service; an ethos which

makes it a perfect fit for SX10 technology. **SESE Contracts Manager Dayo Ashaye** said, "The Trimble SX10 will fit in with a very specific strategy at SESE, namely to halve the measured survey scanning time we spend on site and to cut processing time back in the office." The Trimble SX10 is the world's first total station and laser scanner in one making the user experience faster, more involved and more accurate. www.korecgroup.com

3D REPO CLOUD PLATFORM ADDS INTEGRATED VIRTUAL REALITY FUNCTIONALITY

3D Repo has launched a new version of its cloud based **Building Information Modelling (BIM)** software that offers integrated **Virtual Reality (VR)** functionality using existing 3D models and project data. 3D Repo's multi-award winning solution for those managing construction and civil engineering projects already uses the latest cloud technology for wider access, easier collaboration and open source application development. With the addition of VR capability, users can now deploy VR simulations for applications such as training, safety and project consultation. With the 3D Repo VR solution, the web-enabled approach allows users to access all their projects remotely



on the fly and without the need to create custom executables each time. 3D Repo also utilises existing site-specific 3D models and BIM data, so that custom scenarios can be created and uploaded as and when needed. www.3drepo.org

SPOT SATELLITE DEVICE REACHES MAJOR MILESTONE WITH 5,000 RESCUES WORLDWIDE

Globalstar Europe Satellite Services Ltd. announced that its **SPOT** family of products has surpassed the milestone of initiating **5,000 rescues** since its launch in 2007. These rescues have taken place on six continents and in over 89 countries. SPOT delivers affordable location-based messaging and a lifesaving S.O.S. service to hundreds of thousands of users worldwide. It has been used in 255 rescues in Europe, Middle East and Africa since 2007. Most of the worldwide rescues relate to hiking and mountain sports (33 per cent). The affordable, pocket-sized **SPOT Gen3** is used to improve the safety of competitors in events in remote



regions including this year's **Marathon Des Sables**; the Transgrancanaria running race in the Canary Islands; the **Titan Desert** mountain bike race in Morocco; and the **Carta Rallye** race across the Sahara. www.globalstar.com



EUROPEAN SPACE IMAGING STARTS COMMERCIAL DISTRIBUTION OF WORLDVIEW-4 SATELLITE IMAGERY IN EUROPE

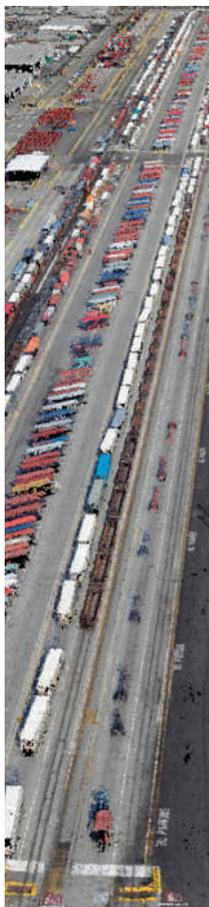
European Space Imaging announced that the company has started operations of its new ground station with access to the entire satellite fleet of its **WorldView Global Alliance** partner **DigitalGlobe**. The Munich-based company is now in a unique position to directly task five very high resolution satellites (GeoEye-1, WorldView-1, WorldView-2, WorldView-3 and WorldView-4). This speeds up the whole process of planning, collection, data downlink and delivery and allows European Space Imaging to quickly deliver satellite imagery products to WorldView Global Alliance customers in Europe, North Africa, CIS countries and the Middle East. **Adrian Zevenbergen, Managing Director of European Space Imaging** said, "The capabilities of our new ground station and the direct access to the entire DigitalGlobe satellite fleet start a new era in the availability of highest resolution imagery in Europe. It's a major milestone especially in the 30 cm resolution class."

www.euspaceimaging.com

POINTFUSE POINT CLOUD SOFTWARE TRANSFORMS DESIGN OF CONSTRUCTION IN LONDON

Swanton Consulting has transformed the design of temporary works – such as façade and basement retention – using a software innovation that creates instant 3D models from laser scanner data. Processing of the millions of individual 3D laser scan measurements, known collectively as point clouds, used to take Swanton up to two weeks. However, since introducing **Pointfuse V2** point cloud processing software, Swanton can now produce highly accurate vector models, suitable

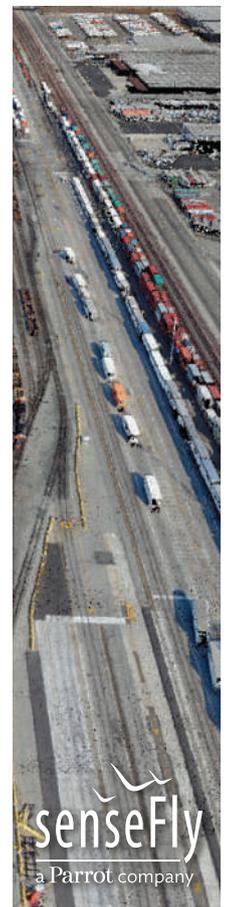
for immediate use by design engineers, in less than a day. "One of the first projects we tested Pointfuse on was the design of steel structure to support the façade of two Grade II listed structures in London's prestigious Mayfair," commented **Pearse McMahon, Senior Technician at Swanton Consulting**. Data to support the design of the façade steel work was collected by Swanton's Testing and Monitoring division using a Leica ScanStation laser scanner. www.arithmetica.com



"Our projects have yielded phenomenal quality, accuracy and ROI"



Since partnering with senseFly drone service provider Zephyr UAS, Jacobs has mapped a 42 mile rail corridor, six miles of double track, two rail yards, five miles of coastal right-of-way, and a variety of other sites. "These projects have yielded phenomenal quality, accuracy and ROI - our **costs were approximately 50%** compared to using manned aircraft and we **cut delivery times by more than half**," says Marc A. Cañas, GISP, VP of National Freight Rail, Jacobs.



TRIMBLE UNITY SMART WATER MANAGEMENT SOFTWARE ADDS WIRELESS MONITORING

Trimble releases **Trimble® Unity 3.8**, the latest version of its smart water management software. As a cloud-based, GIS-centric Software-as-a-Service (SaaS) solution, it offers a suite of applications and tools for the water, wastewater, storm water and environmental water industry. Trimble Unity enables customers to monitor real-time operations, deploy smart meters, assess the condition of assets, reduce leakage and non-revenue water (NRW), and locate and map critical infrastructure using Trimble high-accuracy GNSS mapping technologies. Version 3.8 extends the platform's capabilities with the integration of **Trimble Telog®** wireless Internet of Things (IoT) remote monitoring of instruments and data. Used together, Trimble Unity with Trimble Telog instruments offers a comprehensive suite of water, wastewater and storm water asset performance management solutions that include monitoring and management of water level, flow, pressure, water hammer, rainfall, water quality, pump stations and many other items and parameters on remote water and wastewater networks. www.trimblewater.com

1SPATIAL TECHNOLOGY MAKES GERMAN MAPPING AUTHORITIES 40% FASTER

1Spatial automated map generalisation has resulted in a 40 percent improvement in production time for the participating members of **AdV**, the surveying and mapping committee in Germany. AdV had previously worked to a five year production cycle however, this was no longer meeting the demands of customers who required information to be updated more regularly, and in shorter periods. Twelve of the 16 AdV member states decided to develop an automatic process to speed up production and reduce manual effort, and founded the **IP-ATKIS-Gen** project group. 1Spatial was selected as the IP-ATKIS-Gen partner for one of the largest generalisation projects in Europe. Together the two organisations developed an automated, "context-aware" solution using 1Spatial's experience and software tools. The map data was harmonised and the solution used across the member states, reducing the production cycle from five to three years, marking a 40 per cent improvement. www.1spatial.com



CADCORP SELECTED TO PROVIDE INTRANET WEB MAPPING TO SOUTH GLOUCESTERSHIRE COUNCIL

The popularity of **Cadcorp SIS** in local government continues as a web mapping engagement with **South Gloucestershire Council (SGC)**. Cadcorp will initially be supplying its off-the-shelf product **Web Map Layers** with supporting Cadcorp desktop software, training and associated services. GIS is a corporate service used across SGC and Web Map Layers will be used to extend the reach and range of data deployed within the Council. Central to the Council's decision to select Cadcorp,

was the software's intranet and internet GIS capabilities such as easy display of mapping on all common browsers and mobile devices. Given the open nature of Cadcorp software, these components can be used to complement existing GIS and database products already utilised by SGC. Cadcorp software is being used by UK Local Government Authorities, either directly or integrated in other applications provided by Cadcorp's technology partners. www.cadcorp.com

NATIONAL TRUST DEPLOYS LASER SURVEY AIRCRAFT FROM BLUESKY

The National Trust has turned to aerial laser mapping to create accurate 3D models of the **Dudmaston Hall** estate in Shropshire, England. Working with **Bluesky**, the Trust plans to improve access to the historically and culturally important estate. Measurements captured using aircraft mounted lasers have been used to create the 3D visualisations of the 17th century country mansion estate and woodland areas. The Bluesky laser data is now being used to underpin and inform other survey activities, and allow for improved access to the estate through the design and

creation of additional walking and cycling routes. "We are always looking to improve the visitor experience at



our properties through new attractions and better access to existing facilities," commented **Sue Briggs, Outdoors Project Manager for the National Trust at Dudmaston**.

Bluesky undertook the LiDAR survey in November 2016 in accordance with tight project deadlines and uncertain weather conditions. www.bluesky-world.com

SMART ANTENNA INCREASES ACCESS TO GIS AND ENHANCES TRACKING PERFORMANCE

Leica Geosystems has announced the new **Leica Zeno GG04** smart antenna, enabling a flexible solution to improve mobile devices' GNSS accuracy with **Real-Time Kinematic (RTK)** and **Precise Point Positioning (PPP)**. Paired with the Zeno GG04, any Zeno or third party mobile device with Android or Windows OS can now collect highly-precise positioning data with **Leica Geosystems' GNSS** technology and industry-leading 555-channel tracking performance. With PPP, users can collect data even in areas without cellular coverage. "We're excited to hear

about the new Zeno Connect for Android.

Being able to connect any Android device to the new GG04 antenna and use it for field data capture is a real game-changer," said **Zenny Chareas, project manager at PeopleGIS**, a web-based database application builder for field collection. "Our clients have been eagerly anticipating this type of functionality, and it's pretty cool that we now have a solution for them." www.leica-geosystems.com



CTRACK LAUNCHES TRACKING SOLUTION FOR COURIER AND EXPRESS DELIVERY FLEETS

Ctrack has launched a vehicle tracking solution aimed specifically at the courier and express delivery marketplace. There have been numerous instances where thieves have targeted vehicles left unattended while a delivery is made, with the vehicle keys in the ignition and the engine running. With multi-drop delivery vehicles increasingly at risk when they are stationary, **Ctrack Courier** has been designed to better protect vans and their valuable cargo. Ctrack Courier features a high-pitched siren that will sound in the event of any unauthorised opening of doors while the engine is running. Meanwhile, notifications will automatically alert the control room of an issue. The Ctrack software can then be used to immobilise



the vehicle remotely in the event of a theft or hijacking, which once activated will also trigger the siren. Vital information can also be shared with insurance partners in the event of an incident. www.ctrack.com

PUBLIC-PRIVATE PARTNERSHIP TO OPEN GEODATA ACCESS FOR AFRICAN RESOURCE DEVELOPMENT



Geosoft is pleased to announce its participation in a pilot project aimed at improving the availability, accessibility and usability of **geoscientific data** (geodata) to guide resource investment in the **Eastern African Region**. The pilot project, and launch of a **geodata** portal hosted by **Uganda**, will be conducted under the auspices of African Union Commission (AUC), and is a collaborative partnership between the British Geological Survey (BGS), Geosoft Inc., IGS (International Geoscience Services) Ltd., the Uganda Geological Survey

and the Uganda Chamber of Mines and Petroleum. The regional pilot project is the outcome of a recent workshop held in Uganda, which sought innovative solutions to Africa's geodata shortfalls and drew expert participants from member states and institutions across Africa, Britain and Canada. Workshop discussions centered on: data requirements, data management and technology innovation. A business case was presented for a public-private partnership (PPP) model and capacity building.

www.geosoft.com

PIX4DMAPPER 3.2 NOW GENERATES TILED LEVEL-OF-DETAIL (LOD) MESH

The new version of **Pix4Dmapper** has great advancement in stability and usability - Upload desktop projects to cloud is now 10x faster; Camera parameter correlations are displayed in the quality report for easier troubleshooting and assessment; New key output: tiled level-of-detail mesh is available in osgb and Esri formats; and the software is now available in Russian Language. The most important subject in **Geographic Information System** (GIS) world is the standard. When geospatial data are generated from different sources, the content and formats may vary from one to another. Integration of those heterogeneous



data can ensure the best quality and up-to-date data are available without having people doing repetitive works on what has already existed. Such integration relies on shared standards and web platforms.

www.pix4d.com

EUROPA TECHNOLOGIES CELEBRATES EARTH DAY WITH NEW RELEASE OF GLOBAL DATA SUITE

In tribute to **Earth Day 2017**, **Europa Technologies** has announced the latest major version (v2017.1) of its market-leading suite of global map data products. As a publisher of rich data for earth scientists, the British SME is proud to promote awareness of environmental issues across the world. Global map data products from Europa Technologies are used by a wide variety of organisations, including businesses, governments and missions of the United Nations. The company has strategic licence agreements with companies such as Google, where the data is used within the ubiquitous Google Earth and Google Maps services. Europa Technologies' digital implementation of the CRESTA global zoning system, as used by insurers and reinsurers, has also been updated. **Warren Vick, Founder & Director of Europa Technologies** comments, "We are proud to pay tribute to Earth Day 2017 with this new product release." www.europa.uk.com

HERE, MEDIATEK TEAM UP TO DELIVER ADVANCED GLOBAL POSITIONING SOLUTIONS

HERE Technologies and **MediaTek** announced a collaboration to enable the **HERE Network Positioning** solution on select MediaTek chipsets. "Network positioning is a crucial component of the connected experience and HERE's database improves positioning accuracy significantly," said **YuChuan Yang, Deputy General Manager of Internet of Things Business Unit, MediaTek**. HERE Network Positioning employs proprietary technology to determine a device's location rapidly and accurately based on mobile network and Wi-Fi signals. As part of this collaboration, MediaTek offers to device manufacturers a 4-in-1 combo solution based on the MediaTek MT2503 product family, a highly integrated ARM-based SiP design that contains Bluetooth, multiple GNSS receivers and an integrated 2G modem. **3G Electronics**, a China-based IoT customer of MediaTek, introduced a children's smartwatch series called **KidsWatch**, which is powered by MediaTek chipsets featuring HERE's Network Positioning solution in products sold outside China. www.here.com

SOUTH TYROL'S COMMAND AND CONTROL CENTER UPGRADED

The **South Tyrolean Civil Protection Agency** has gone live with a system upgrade and expansion to its integrated command and control center. The agency worked with **Hexagon** and **Frequentis** to upgrade and integrate its **Frequentis 3020 LifeX** communications platform with Hexagon's Intergraph Computer-Aided Dispatch (I/CAD) system. The upgrade and extension of the core system features state-of-the-art IP technology that supports existing capabilities for emergency calls and analog radio communication, while also exploiting the full potential of digital radio. A modern, intuitive user interface enables staff in the command and control center to operate all communication channels via a touch screen or through the integrated dispatching system. The voice recording takes place within **Frequentis' DIVOS 3** log solution. The entire range of fully integrated software from Hexagon and Frequentis is implemented on a virtual platform to reduce hardware requirements and optimally support all business-related functions.
www.frequentis.com
www.hexagon.com

SENSEWHERE LAUNCHES VISIT CONFIRMATION PLATFORM FOR MOBILE ATTRIBUTION

sensewhere Ltd. introduces a new level of mobile location context for advertisers, retailers and app publishers around the world. The new **Visit Confirmation** service is part of the **adwhere™** platform for location-based advertising and can be used by businesses globally to attribute retail store or other venue visits. Using sensewhere's patented indoor positioning system and adwhere services, sensewhere interprets complex layers of information using big data and delivers the service based on individual users entering a geofence and dwelling in the area for a defined period of time, ultimately triggering a visit confirmation and supplying detailed analytics, such as visit counts by user and by venue for statistical insights. Using accurate indoor maps from Micello, the system detects when locations are visited. In a typical retail mall, the confirmation accuracy rate exceeds 95% providing reliable results for mobile attribution and determining the effectiveness of mobile campaigns.
www.sensewhere.com



NEW AEROSPACE GROUP SKYX BRINGS AUTONOMOUS DRONES TO OIL & GAS INDUSTRY

SkyX has developed ground-breaking Unmanned Aerial Vehicles to service the oil and gas industry. Developed to inspect pipelines for damage, as well as for mapping and security surveillance, **SkyX's SkyOne** drones offer **Vertical Take-Off and Landing** (VTOL) capabilities, as well as autonomous flight and recharging. The oil and gas sector currently relies heavily on road vehicles and manned aircraft to detect any damage or threat. Both methods are more expensive, and

less efficient than the SkyX solution. SkyOne allows for 24/7, unlimited data collection, provided in real-time and offers a far wider scope of information for the user. Offered on a service-leasing model, SkyOne allows oil & gas companies to access custom data and information without being burdened by any possible maintenance. The company is able to control either an individual UAV or an entire fleet and can monitor events through real-time video. www.skyx.com

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In tribute to **Earth Day 2017, Europa Technologies** has announced the latest major version (v2017.1) of its market-leading suite of global map data products. As a publisher of rich data for earth scientists, the British SME is proud to promote awareness of environmental issues across the world. Global map data products from Europa Technologies are used by a wide variety of organisations, including businesses, governments and missions of the United Nations. The company

has strategic licence agreements with companies such as Google, where the data is used within the ubiquitous Google Earth and Google Maps services. Europa Technologies' digital implementation of the CRESTA global zoning system, as used by insurers and reinsurers, has also been updated. **Warren Vick, Founder & Director of Europa Technologies** comments, "We are proud to pay tribute to Earth Day 2017 with this new product release. www.europa.uk.com

BARTHAUER IS SUPPORTING "A MOBILE PHONE FOR THE GORILLA"

The habitat of the last wild mountain gorillas in **Virunga National Park** is increasingly being threatened by the mining of metals for the production of mobile phones. The recycling of raw materials from used mobile phones is therefore an important step to protect this valuable habitat. For this reason, the **Frankfurt Zoological Society FZS Conservation Ambassadors** initiated the "A mobile phone for the Gorilla" collection campaign in 2009. **BARTHAUER** supports the gorilla protection project with an in-house mobile phone collection campaign. Mining is often carried out in illegal mines and the Virunga National Park in the heart of Africa is a centre of biodiversity and a **UNESCO World Heritage Site** where roughly half of the last



880 mountain gorillas in the world live. The soaring demand for metals in recent years created many illegal mining sites, which are destroying the habitat of the gorillas.
www.barthauer.de

RIEGL's Line of UAV LiDAR Sensors

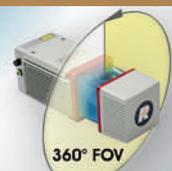


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- range up to 250 m
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www.riegl.com

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SHIFT72 TAKES GEOGRAPHIC RIGHTS MANAGEMENT TO THE NEXT LEVEL

Digital Element announced that **SHIFT72**, a New Zealand-based video technology company, has enhanced its pioneering **video on demand (VOD)** platform by integrating **NetAcuity hyperlocal IP geolocation technology** to improve its film distribution rights management capability globally. By incorporating Digital Element's IP intelligence into the platform, the company will be able to assure its clients that digital geographic film rights are being enforced appropriately. Using the technology, **SHIFT72's** customers can gain full control of distribution windowing and regional sales in real time by validating a viewer's location at various stages throughout their journey, and blocking or unblocking content access by territory. **Mark Sargent, Chief Technology Officer at SHIFT72** said, "Digital Element has gained the trust of broadcasters worldwide, and – along with the flexibility of their solution – this made the decision to use their technology an easy one." www.digitalelement.com

WHAT3WORDS LAUNCHES IN ARABIC WITH JAGUAR LAND ROVER AND ARAMEX ADOPTING 3 WORD ADDRESSES

what3words has launched in Arabic, and immediately embarked upon a host of strategic partnerships, to bring its precision addressing infrastructure to a market of over 230 million Arabic speaking people across the globe. In addition to leading ecommerce and logistics business Aramex, brands across the Middle East like Jaguar Land Rover and Saudi e-commerce company vanilla. sa., are using the revolutionary 3 word addressing system to improve customer experience, tap into new customer bases and market opportunities. Countries across the Middle East continue to report an accelerated pace of infrastructure development and urbanisation in light of strategic initiatives like Smart Dubai, UAE Vision 2021, Saudi Vision 2030 and Expo 2020. The need to deploy accurate and consistent location referencing and addressing has fast become a priority to improve citizen satisfaction, social development and economic diversification. www.what3words.com



GARMIN® G5000H UPGRADE PROGRAM FOR SIKORSKY AND BLACK HAWK HELICOPTERS

Garmin International Inc. announced the availability of the **G5000H** integrated flight deck upgrade for the existing fleet of **Sikorsky S-70** and **UH-60A/L Black Hawk** helicopters. The G5000H modernizes the cockpit, offers key safety enhancements, improves situational awareness and fulfills global airspace modernization initiatives. Additionally, the G5000H upgrade offers greater reliability, provides added cost-savings that solves avionics obsolescence and expands the operational capability of these versatile helicopters. The G5000H installation incorporates four 12-inch high-resolution

widescreen displays and two touchscreen controllers that serve as the pilot interface to the integrated flight deck. Two primary flight displays and two multi-function displays support multi-pane capability, allowing pilots to simultaneously view flight information alongside maps, checklists, weather and more. Charts can be viewed across all four displays and are geo-referenced, including **Garmin FliteCharts™** terminal approach procedures or optional **Garmin ChartView** powered by **Jeppesen**, as well as geo-referenced **SafeTaxi®** airport diagrams. www.garmin.com

PLANETOBSERVER RELEASES NEW VERSION OF PLANETSAT GLOBAL IMAGERY BASEMAP

The French company **PlanetObserver** has announced the release of **PlanetSAT Global #2017**, the unique seamless and global imagery basemap processed with fresh and cloud-free satellite images. Processed with current **Landsat 8** source data for 40% of the global and more than 300 major urban areas across the world, PlanetSAT Global version #2017 is the high quality natural color imagery basemap that offers detailed and up-to-date geographic information, perfect for 1:50,000 scale mapping. PlanetSAT Global imagery

basemap is ready-to-use as a unique backdrop map of many military, commercial and consumer applications, from visualization and simulation solutions, flight simulators, geo-intelligence and mission preparation systems, to GIS software, web-mapping applications and graphic solutions for broadcast and weather. By adopting PlanetSAT Global imagery layer, users benefit from high quality, up-to-date and cloud-free imagery that is easy to implement in any professional solution. www.planetobserver.com

PUBLIC RESEARCH SHAPING THE FUTURE OF DRIVERLESS VEHICLES

The **GATEway Project** begun its research into public acceptance of, and attitudes towards, driverless vehicles in Greenwich, London. Online consultation expert, **Commonplace**, gathered official feedback via an interactive map from members of the public who rode in the vehicles and those who observed them, about what this step towards the future of transport means. The ongoing trials, which will see an autonomous vehicle driving in a complex urban environment, is not about robotising existing forms of transport, such as the car, but is examining ways to optimise mobility for the urban environment using new modes of transport enabled by automation. In the latest phase of the **GATEway**



Project (Greenwich Automated Transport Environment) a prototype shuttle will begin driverless navigation of a 2km route around the Greenwich Peninsula, using advanced sensors to detect and avoid obstacles whilst carrying members of the public participating in the research study. www.GATEway-project.org.uk