

## GLOBAL MAPPER V.19 NOW AVAILABLE WITH NUMEROUS FUNCTIONAL ENHANCEMENTS

Blue Marble Geographics is pleased to announce the immediate availability of **Global Mapper version 19**. With numerous functional improvements and performance enhancements throughout the application, the version 19 release is further evidence of Global Mapper's growing reputation as a viable alternative to traditional GIS software. Highlights of this release include a powerful new attribute editor; a new tool for dynamically adjusting the light source position for hillshade rendering; and drag and drop docking functionality for improved multiview window management. Blue Marble's GIS software is used by hundreds of thousands of satisfied customers throughout the world who need affordable, user-friendly, yet powerful GIS solutions. Users come from a wide range of industries including software, oil and gas, mining, civil engineering, surveying, and technology companies, as well as government departments and academic institutions. [www.bluemarblegeo.com](http://www.bluemarblegeo.com)

## HERE WELCOMES PIONEER AS NEW SHAREHOLDER; HERE TO INVEST IN PIONEER

**HERE Technologies** ("HERE") and **Pioneer Corporation** ("Pioneer") have announced a capital alliance that will result in each company becoming a shareholder in the other. The capital alliance is intended to solidify the strategic collaboration between HERE, Pioneer and Pioneer's mapping subsidiary Increment P Corporation, as outlined in previous communication. The aim of their partnership is to support innovations in the areas of in-vehicle infotainment and autonomous driving, as well as other industries where location intelligence can be applied. The partnership also enables HERE to offer map coverage of Japan to its customers. Through their mutual capital investment, HERE and Pioneer will use the same subscription price to purchase shares to ensure equal investment from each company. Upon completion, Pioneer will join AUDI AG, BMW Group, Daimler AG and Intel as shareholders in HERE. [www.here.com](http://www.here.com)  
[www.pioneer.jp/en](http://www.pioneer.jp/en)



## SATELLITE IMAGES SHOW EUROPE'S DIVERSITY IN NEW BOOK

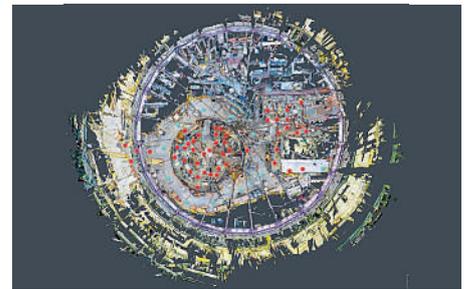
**European Space Imaging** have partnered with **eoVision** to produce a book entirely comprised of satellite imagery showcasing the diversity of Europe as seen from space. The book titled **Europa - Kontinent der Vielfalt** (Europe, the diversity) tells the story of Europe using more than 100 current satellite images to display the present and highlight the past incorporating political, economic and social challenges that are facing the continent. From historical sights of significance that have

lasted the span of time to current villages and cities where urbanisation and migration are clearly visible, the satellite images portray Europe in many differing aspects. **Managing Director, Adrian Zevenbergen** commented, "European Space Imaging is the market leader of very high resolution imagery across Europe. We are delighted to be able to exclusively partner with EOvision on this project and supply imagery showcasing the diversity of Europe" [www.euspaceimaging.com](http://www.euspaceimaging.com)

## LEICA GEOSYSTEMS AND MATTERPORT PARTNER TO DELIVER AEC SOLUTION

**Leica Geosystems** and **Matterport** announced a partnership to deliver a fast, simple solution for creating, modifying, distributing, and navigating immersive 3D and digital images. The effort is aimed at the Architecture, Engineering and Construction (AEC) sector. The partnership is focused on integrating the new **Leica BLK360** imaging laser scanner and encompassing **Multivista's** construction progress documentation services into Matterport's cloud-based platform. The solution is expected to offer an easy, flexible and automated way of capturing detailed images and using the resulting data to create immersive 3D visualisations. **Hexagon Geosystems President Juergen Dold** said, "With our new partnership with Matterport, combined with our recent acquisition of

**Multivista**, we are fulfilling our commitment to supporting the AEC industry and bringing the sector added value. With this latest offering, these professionals can now easily visualise their projects to shape the change needed in a digital reality for real world advancements, leading to reduced costs and increased time savings." [www.leica-geosystems.com](http://www.leica-geosystems.com)



## PHASE ONE INDUSTRIAL INTRODUCES 190MP AERIAL SYSTEM

**Phase One Industrial** announced a breakthrough in aerial imaging – the **190MP Aerial System** – built on the new, dual CMOS sensor, dual lens **iXU-RS1900** camera, which is capable of capturing images at 190 megapixels. This system was designed with input from engineers and leading experts in the photogrammetric field to address a wide variety of challenging aerial applications, such as remote sensing, monitoring, inspection, and disaster management. This cost effective and highly accurate system, featuring large image coverage, light weight and low power consumption, presents an attractive alternative to other traditionally expensive

large format cameras. **Dov Kalinski, General Manager of Phase One Industrial** said, "The cooperation with leading partners in Mount design, GNSS, and Flight Managements Systems enables Phase One to offer an innovative system at affordable pricing, and enables our customers to execute projects faster and at lower cost."

[www.industrial.phaseone.com](http://www.industrial.phaseone.com)



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## TELEDYNE CARIS APPOINTS CODEVINTEC AS DISTRIBUTER FOR ITALY

Teledyne CARIS™ is pleased to announce that Codevintec has been selected as a CARIS™ software distributor for Italy, the Adriatic countries, Greece, and Lebanon. As a valuable contribution to Teledyne CARIS' list of distributors, Codevintec has been a professional distributor in the geomatics industry for many years. Survey companies, scientific research organizations and mapping agencies in this region can now contact Codevintec for further information about the Ping-to-Chart™ hydrographic software solutions, which include support for Airborne Lidar Bathymetry (ALB) operations, big data management, and autonomous operational solutions. Patricia Gaspar, Account Manager at Teledyne CARIS commented, "We are happy to have a close and experienced partner in Italy to support us in further expanding the business and serving our Teledyne CARIS customers in this region." [www.teledynecaris.com](http://www.teledynecaris.com)

## EXACTEARTH ANNOUNCES AGREEMENT WITH ALLTEK MARINE

exactEarth Ltd. announces that its exactTrax™ small vessel monitoring technology is now incorporated into Alltek Marine Electronic Corp's (AMEC) AIS Tracking Beacon (TB560). The AMEC TB560 is a simplified Class B AIS device that offers an efficient and cost-effective vessel monitoring solution within AIS VHF transmission range. Now outfitted with exactTrax technology from exactEarth, which extends small vessel tracking beyond traditional coastal surveillance, the AMEC TB560 can reliably be detected from space. exactTrax allows for the secure transmission and reliable detection of signals from the millions of artisanal and small-scale commercial fishing boats and small commercial work boats currently operating around the world. Monitoring and tracking vessels equipped with exactTrax-enabled transceivers supports safety of life at sea and delivers an unprecedented ability to immediately respond in emergency situations. Tracking these vessels can also provide critical intelligence into a variety of marine applications through improved 'dark' target analysis. [www.exactearth.com](http://www.exactearth.com)



## YELLOWSCAN & QUANTUM SYSTEMS PARTNERSHIP

**YellowScan** and **Quantum Systems** combined their R&D expertise to provide a reliable **VTOL+LiDAR solution**, able to cover large areas and fly longer for a high quality data acquisition. The **YellowScan Surveyor LiDAR** and the **Quantum Tron VTOL** are both turnkey systems with a "Just press the button" philosophy. **The Surveyor** is the world lightest all-integrated LiDAR for UAV. It is designed by surveyors for surveyors to be a robust and easy-to-use LiDAR solution with short-time data processing needs. Concerning the Tron, it works

together with its remote controller seamlessly to get the acquisition done automatically, while still providing emergency override capabilities. Moreover, thanks to the vibration dampening and secure housing of the **Tron**, the Surveyor is well protected to avoid any alteration of the data. **Mapper II** and **YellowScan Vx** completes the "Just press the Yellow Button" product line including YellowScan Surveyor, and the LiveStation, the real-time in flight LiDAR monitoring kit. [www.yellowscan.fr](http://www.yellowscan.fr)

## TRIMBLE EXPANDS PORTFOLIO OF OEM PRODUCTS FOR HIGH-ACCURACY DIRECT GEOREFERENCING ON UAV'S

**Trimble** introduced three new GNSS-Inertial Systems for Direct Georeferencing on Unmanned Aerial Vehicles (UAVs): the **Trimble® APX-15-EI UAV**, **Trimble APX-18 UAV**, and **Trimble APX-20 UAV**. Direct Georeferencing with the systems allows the location of image elements collected by Light Detection and Ranging (LiDAR) and hyperspectral sensors to be accurately computed without extensive networks of ground control points, reducing costs while maintaining accuracy to produce maps. **Joe Hutton, Director of Inertial Technology and Airborne Products at Applanix, a Trimble Company** said, "We have listened to our customers and worked very hard to come up with solutions that meet their needs, both from a technical and cost perspective."

The APX products use state-of-the-art low noise, multi-frequency Trimble Maxwell™ GNSS technology, and track all current satellite signals including GPS L1/L2/L2C/L5 and GLONASS L1/L2, QZSS, BeiDou, IRNSS and Galileo, supporting SBAS, RTK and Trimble CenterPoint® RTX positioning modes. [www.trimble.com](http://www.trimble.com)  
[www.applanix.com](http://www.applanix.com)



## BRAINWAVE MAKES DATA AVAILABLE TO SUPPORT DISASTER RELIEF

**start-upave** believe that people make better decisions if they have quick and simple access to the data they need, at the time they need it. With the catastrophic events of recent natural disasters, the **Brainwave** team decided to down tools and see what they could do to help. Hurricane Harvey in Houston, Irma across the Caribbean and Florida, and the earthquake that struck off the southern coast of Mexico have all left communities grieving for lost

relatives and in need of urgent support to rebuild the vital infrastructure of their towns and cities. In an effort to make this process move as smoothly and quickly as possible, the Edinburgh-based startup has added all the relevant datasets, sourced by the World-wide Human Geography Data Working Group to their Marketplace website from where they can be freely downloaded and used. [www.brainwave.com/data/disaster-relief](http://www.brainwave.com/data/disaster-relief)



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## JUNIPER SYSTEMS LIMITED OPENS NEW OFFICE IN WELS, AUSTRIA

Manufacturer of rugged handheld data collectors **Juniper Systems Limited** aims to expand its footprint in the German-speaking marketplace with the opening of its new office in Wels, Austria. The Wels location was recently opened to serve German-speaking partners and customers in Austria, Germany, and other Eastern European countries. **Simon Bowe, general manager of Juniper Systems Limited** based in Birmingham, U.K. said, "Our new office in Wels, Austria, shows that the superior quality and ruggedness of our products is becoming well-known throughout Europe, the Middle East, and Africa, and we are excited to expand to this location to better serve our customers". Juniper Systems' flexible, rugged data collectors are used by many types of geomatics organisations, from architecture and civil engineering, to land surveying and water management. [www.junipersys.com](http://www.junipersys.com)

## SSTL ANNOUNCES NOVASAR-S DATA DEAL WITH AUSTRALIA'S CSIRO

**Surrey Satellite Technology Limited (SSTL)** signed an agreement in Adelaide at the **International Astronautical Congress** to provide **Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO)** a 10% share of the tasking and data acquisition capabilities from **NovaSAR-S**, a first-in-class small radar satellite due for launch later this year. NovaSAR-S is a more cost effective technology platform that delivers Earth observation **Synthetic Aperture Radar** imagery day and night, and through cloud cover. Managing the energy use on board the small **SAR** platform has been made possible by using a new, highly efficient S-band solid-state amplifier technology and flying an innovative S-band SAR payload developed by Airbus UK in Portsmouth. The UK will benefit from access to the SAR data, significantly boosting the UK's sovereign Earth Observation capabilities for applications such as ship detection and identification, oil spill detection, forestry monitoring and disaster monitoring, particularly flood detection and assessment. [www.sstl.co.uk](http://www.sstl.co.uk)



## WINGTRA PARTNERS WITH KENTUCKY-BASED PRECISION CAPTURE TO OFFER VTOL DRONE

**Precision Capture** have been successfully delivering innovative solutions in 2D and 3D data capture, measurement and imagery for 25 years. With their new distribution partnership with **Wingtra**, Precision Capture is expanding their UAV offering. The **WingtraOne** takes off and lands vertically like a multirotor, but flies like a fixed-wing airplane in air. This efficiency in flight gives it flight time of up to 55 minutes on a single battery, covering anywhere between 690 and 980 acres at 1.2in/px GSD depending

on the specific sensor. With its high payload capacities, the WingtraOne offers a variety of powerful sensors to generate high-resolution imagery for orthophotos, 3D reconstructions, cloud points and NDVI maps. Wingtra's selection include the best-in-class 42 megapixel full-frame Sony RX1RII. Thanks to the vertical landing, the cameras are well-protected and are never at risk of being damaged by belly landings.

[www.wingtra.com](http://www.wingtra.com)  
[www.precisioncapture.com](http://www.precisioncapture.com)

## SPOT EXTENDS ITS SUPPORT OF THE MARATHON DES SABLES

**Globalstar Europe Satellite Services Ltd.** has extended its support of the **MARATHON DES SABLES (MDS)** for an additional three years. As part of the deal, over 1,450 athletes competing in all **MDS** events and sister events, **RAID AMAZONES**, will carry **SPOT Gen3®** devices for safety and tracking. Since 2015, MDS organisers have used SPOT Gen3 to track and safeguard participants competing in the spectacular footrace across the Sahara desert in Morocco. This year, MDS has expanded its reach beyond this flagship race to a series of international events. Held for over 32 years, MDS has rightfully been dubbed "The World's Toughest Foot Race" with a gruelling, multi-stage challenge of strength and endurance. The

full events comprise of six marathons in six days, covering over 250km, with athletes carrying all their essential supplies. Over the last three MDS races in Morocco, no fewer than 45 competitors were rescued within minutes thanks to SPOT.

[eu.globalstar.com](http://eu.globalstar.com)



## AIRBUS TO RESHAPE EARTH OBSERVATION MARKET WITH ITS PLÉIADES NEO CONSTELLATION

The production of **Airbus'** four new very high resolution satellites, which together will form the **Pléiades Neo** constellation, is well on schedule for launch in 2020. They will join the already world leading Airbus constellation of optical and radar satellites and will offer enhanced performance and the highest reactivity in the market thanks to their direct access to the data relay communication system, known as the **SpaceDataHighway**. This first batch of four optical and very agile

satellites will double the number of visits per day anywhere on Earth and offer a re-tasking rate which is five times higher than previous constellations. Each satellite will be adding half a million km<sup>2</sup> per day at 30cm resolution to Airbus' offering. These images will be streamed into the **OneAtlas** on-line platform, allowing customers to have immediate data access, analytics and correlation with Airbus' unique archive of optical and radar data.

[www.airbusdefenceandspace.com](http://www.airbusdefenceandspace.com)



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## MAPTITUDE TEAM SUPPORTS AAG PROPOSAL FOR AP HIGH SCHOOL COURSE IN GEOGRAPHIC TECHNOLOGY

The **American Association of Geographers (AAG)** has recently submitted a proposal to the Director of AP Curriculum and Content Development to introduce a new Advanced Placement Course into US High Schools: **AP Geographic Information Science & Technology (GIS&T)**. The proposal is currently under review by the College Board, who will decide on whether to introduce this new course. Caliper endorses this proposal. Mapping and GIS applications give students the tools they need for a broader global understanding. In addition, industries are increasingly driven by big data, for which spatial analysis is ideally suited. Education in GIS solutions will be critical to today's youth as they enter the job market. Caliper supports classroom initiatives through the provision of Free GIS Software to Students. We here at Caliper urge the College Board to adopt the AP GIS&T course. [www.caliper.com](http://www.caliper.com)

## ORBIT GT AND GENMAP, ARGENTINA, SIGNS RESELLER AGREEMENT

**Orbit GT** is happy to announce that **Genmap**, Argentina, has joined as Authorized Reseller of Orbit GT 3D Mapping products. "We are very pleased to onboard Argentina's Genmap S.A. as our new Reseller", says **Peter Bonne, CEO of Orbit GT**. "As one of Argentina's top geospatial companies, we're looking forward to a great co-operation and take services and solutions to our joint customers to a next level." **Marcelo Marcovich, President of Genmap S.A. of Argentina and Paraguay** commented "It is an honour for Genmap that Orbit GT has accepted us as their Partner. We are convinced that our offer of geomatics products is completed by the incorporation of Mobile and Indoor Mapping, UAS and Oblique mapping solutions."

[www.orbitgt.com](http://www.orbitgt.com)  
[www.genmap.com.ar](http://www.genmap.com.ar)



## FUGRO ESTABLISHES HYDROGRAPHY CENTRE OF EXCELLENCE IN HOUSTON

**Fugro** has announced plans to establish a **Hydrography Centre of Excellence** for the Americas, supporting its strategic focus on growth in this market sector. Utilising specialist resources that include autonomous vessels and aircraft, integrated data acquisition techniques, remote processing and large data transfer, the focus is on reducing risk, increasing accuracy and streamlining project timelines for clients. The Houston-based centre will handle a wide range of hydrographic project types, including nautical charting, cable routing

and Law of the Sea boundary claims. With continued delivery excellence as its objective, Fugro is formalising its coastal zone mapping services using complimentary geophysical and geotechnical techniques to benefit a wide range of applications including resource development, infrastructure siting, coastal management and emergency response. Establishing the Hydrography Centre of Excellence is part of Fugro's reorganisation of its hydrography services in the Americas, by relocating key staff and assets from its San Diego office. [www.fugro.com](http://www.fugro.com)

## BLUESKY CELEBRATES 2017 FLYING SUCCESS

Aerial mapping company **Bluesky** is celebrating following its most successful flying season to date. As temperatures soared, Bluesky took to the skies deploying three dedicated survey aircraft. To date, Bluesky has captured more than **70,000 square kilometres** of aerial photography in 2017 – an area more than twice the size of the Netherlands – of which more than half is at ultra-high (12.5cm) resolution. In addition to aerial photography, Bluesky's survey planes have also been simultaneously capturing data for the creation of detailed 3D height models and Colour Infrared imagery. Coverage of the 2017 Bluesky flying includes the urban areas of Leeds, Bradford, Norwich and Milton



Keynes, as well as large swathes of the south-west of England, including Somerset, Dorset and Wiltshire. Bluesky has also been active in Ireland, capturing nearly 30,000 square kilometres of imagery, more than 40 percent of its three year target. Full coverage of Ireland is expected to be achieved early in the 2018 flying season. [www.bluesky-world.com](http://www.bluesky-world.com)

## GARMIN® HEAD-UP DISPLAY (GHD) SYSTEM FOR INTEGRATED FLIGHT DECKS

**Garmin International Inc.** announced the **Garmin Head-up Display (GHD 2100)** for super-midsize business aircraft, continues to make progress with flight-testing and certification on the **Cessna Citation Longitude** in conjunction with the G5000™ integrated flight deck. The GHD system incorporates modern optical design within a single display unit, projecting a crisp, clear view of pertinent flight information while also offering superior integration with Garmin integrated flight decks. Throughout flight-testing in the Citation Longitude, the GHD

continues to progress in its own development and evaluation. Numerous instrument approaches in a variety of flight environments have been conducted during recent flight evaluations. Additionally, Garmin has completed a comprehensive evaluation in its own human factors flight simulation lab. **Carl Wolf, Garmin vice president of aviation sales and marketing** said, "The operational benefits of flying with a HUD are significant, resulting in fewer missed approaches and vastly improved situational awareness – particularly in challenging environments," [www.garmin.com](http://www.garmin.com)