

EARTHSENSE APP PROMOTES CLEAN AIR ROUTES FOR EXERCISE

A new app being developed by air quality monitoring specialist **EarthSense** will allow users to find the least polluted routes when walking, running or cycling. Funded by the **European Space Agency (ESA)** Kickstarter grant programme, project **CARAMEL** (Clean Air Routing and Mobile Exposure Limitation) the app identifies and maps the cleanest air routes, as well as reporting on weekly pollution levels. "Project CARAMEL gives people going about their everyday lives the information they need to make

informed decisions about where and when they want to exercise," commented **Tom Hall, Managing Director of EarthSense**. The CARAMEL app will use a combination of space-based data, traffic simulation data, open data and public transport data together with big data analytics. The project outputs include an air quality data model and routing system, an online mapping portal and the CARAMEL app for use on smartphones and other mobile devices. www.earthsense.co.uk



ERM ADVANCED TELEMATICS LAUNCHES STARLINK TRACKER WITH WI-FI

International automotive technology provider **ERM Advanced Telematics** has launched the **StarLink Tracker** with Wi-Fi, a versatile telematics product that integrates advanced vehicle tracking, driver behavior monitoring, theft prevention, Bluetooth, Wi-Fi and 4G cellular capabilities in a single device. The StarLink Tracker with Wi-Fi is the first product under ERM's new Wireless Connect strategy, which aims to use wireless technologies to provide its partners – vehicle fleet management companies, vehicle manufacturers and importers and car insurance companies – with a competitive edge. The StarLink Tracker with Wi-Fi turns any vehicle in which it is installed into a Connected Car. The modularity of the product allows to add capabilities anytime, through the use of add-on products provided by ERM or by a third party. This can be done on demand and without any need to replace the StarLink Tracker device, which keeps functioning as the central tracking and communications unit under any such solution.

www.ermtelematics.com

URTHECAST AND LAND O'LAKES, INC. ANNOUNCE TERM SHEET FOR PURCHASE OF GEOSYS

UrtheCast Corp. and **Land O'Lakes, Inc.** announced they have entered a binding term sheet for the purchase of **Geosys Technology Holding LLC** ("Geosys"), a wholly owned subsidiary of Land O'Lakes, for a purchase price of US\$20 million. This landmark deal is expected to bring unprecedented value to agribusinesses worldwide through the enhanced relationship between imagery data and geospatial solutions. The closing of the transaction is subject to confirmatory due diligence, entering into definitive agreements, respective board approvals and other conditions customary for transactions of this nature. Upon the first closing, UrtheCast will take ownership of Geosys' software for accessing, processing, cataloguing and retrieving of images. Land O'Lakes, through its WinField United crop inputs and insights business, will retain ownership of all intellectual property connected to its R7° Tool and farm-gate applications. www.urthecast.com

LASER TECHNOLOGY, INC. ANNOUNCES A NEW TRUPULSE 360 LASER RANGEFINDER

Laser Technology Inc. (LTI) proudly announces the release of its new and improved **TruPulse® 360** laser featuring LTI's **TruVector 360° Compass Technology®**, the most advanced handheld laser on the market. With groundbreaking compass technology and a full stack of measurement capabilities, the ability to measure slope distance, inclination and azimuth, and instantly calculate horizontal and vertical distances as well as 3D missing line values is just the push of a button away. The new TruPulse 360 continues LTI's mission of

providing cutting-edge laser measurement solutions in an easy-to-use way, and this model represents an accumulation of work more than a decade in the making. This latest version of the TruPulse 360 continues to deliver added value for the modern measurement professional, from forestry and utilities to construction and GIS mapping. The enhanced device offers 33 percent increased distance accuracy, 25 percent better target acquisition and a higher azimuth accuracy of less than 0.5° RMS. www.lasertech.com



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TCARTA WINS NATIONAL SCIENCE FOUNDATION GRANT

TCarta Marine has been awarded a research and development grant by the **National Science Foundation (NSF)** to enhance and automate multiple techniques for deriving seafloor depth measurements from optical satellite imagery. The 'Project Trident' research seeks to transform existing satellite derived bathymetry (SDB) techniques by leveraging machine learning and computer vision technology to enable accurate depth retrieval in variable water conditions. If successful, these enhanced bathymetric techniques will have positive impacts on operations related to oil & gas exploration and production, coastal infrastructure engineering, environmental monitoring, and geointelligence (GEOINT) activities. "Our goal with Project Trident is to expand the geographic scope of SDB in shallow coastal areas," said Kyle Goodrich, TCarta President. "SDB technology currently derives water depths only in calm, clear waters, which limits its applicability." TCarta won the grant for Project Trident in partnership with jOmegak of San Carlos, Calif., and DigitalGlobe of Westminster, Colo., in Phase 1 of the NSF Small Business Innovation Research program. www.tcarta.com



KINESIS VEHICLE TRACKING MAPS OUT SAVINGS FOR WALKER FIRE

Walker Fire, part of the Moynes Roberts Group, has implemented **Kinesis** telematics to reduce operating costs and boost customer service. Complete with integrated fuel cards, the web based GPS vehicle tracking and asset management solution is being used to map movements, monitor fuel usage and driver performance, in order to improve fuel economy and reduce the environmental impact of the business' mobile operation. Automatically generated alerts let customers know when a technician is on their way and an easy to use mobile app gives managers 24/7 access to a range of business critical information. "I had used Kinesis telematics in a previous role so you could say the system was tried and tested," commented **Tom Ford, Fleet Administrator at Walker Fire**. "I knew that Kinesis offered the best value for money and was multi-faceted combining a number of different products that would help ease the workload for the business and reduce costs." www.kinesisfleet.com

GOONHILLY AND SPACEBIT PARTNER TO ACCELERATE COMMERCIAL SPACE EXPLORATION

Goonhilly Earth Station has announced that it is collaborating with space blockchain technology pioneers, **Spacebit**, to develop the use of blockchain technology for space-based data applications and mission deployment. **Blockchain technology** has the potential to introduce new techniques to accelerate space exploration by creating an ecosystem that fosters access to space data. The partnership is seeking to lower the barrier to entry to access to space communication and application networks. The Goonhilly-Spacebit collaboration will result in applications utilising tokenised ground station and spacecraft data, blockchain-based data management, new communications protocols for security and the Internet of Things (IoT). Blockchain technology will allow Goonhilly to create new business models using a decentralised data management system for communicating between spacecraft and ground stations. The creation, management and easy access to data, whilst maintaining security and a historical record of each data transfer, will accelerate the development of commercial space activities. www.goonhilly.org www.spacebit.com

HEXAGON EXPANDS MINING DIVISION'S CHANNEL PROGRAM

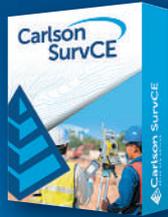
Hexagon's Mining division is broadening its customer reach with a **Channel Partner Program** launched. Four authorized partners are already signed up for the program, which **Hexagon** hopes will open up new markets and connect products with mines that need them. "We have the solutions to help mines relieve the immense pressure to cut costs and improve safety," said **Giancarlo Comini, Vice-President, Sales**. "We greatly value our channel partners because they are a vital part of our sales team, which is committed to being everywhere our customers need us to be. The program adds an invaluable layer of sales representation to our existing global network of offices." On board with the newly launched program are resellers, **Trysome** and **Prominas**. Both companies have long-standing relationships with Hexagon. Johannesburg-based Trysome sells the company's mining safety solutions in sub-Saharan Africa. Mine planning software is the focus for Prominas of Brazil. www.hexagon.com

THE DANISH GEODATA AGENCY SELECTS TELEDYNE CARIS

Through a competitive process, The **Danish Geodata Agency** (Geodatastyrelsen – GST) has selected **Bathy DataBASE™ (BDB)** as the new system for Depth Data Management for current and future needs. The robust system will help increase efficiencies in data management and optimize the maritime production chain, from survey to chart. GST is responsible for surveying and charting the waters around Denmark, the Faroe Islands and Greenland to ensure safe passage at sea, in accordance with international standards and conventions. The project to implement BDB will include deployment of software and migration of existing data. Implementation of the new system is scheduled to begin mid-September 2018, with completion in the spring of 2019. **Peter Schwarzberg, Sales Manager, EMEA** commented, "This is an exciting opportunity for **Teledyne CARIS** to continue our work with the Danish Geodata Agency; expanding our cooperation through this project and our common vision. We feel very honoured to have been selected and are excited to begin implementation." www.teledynecaris.com

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BREAK NEW GROUND

GEO BUSINESS 2019: OVER 70% OF EXHIBITORS FROM THE LAST SHOW REBOOKED THEIR STAND STRAIGHT AWAY

GEO Business is well on track for another record-breaking show when it returns to the Business Design Centre, in London, on 21-22 May 2019. The vast majority of exhibitors rebooked their stands within 2 weeks of the launch date, and now the GEO Business team welcomes new exhibitors to join the ranks at the largest and most successful geospatial event in the UK. Buoyed on by their excellent experience at the show, a staggering 70% of exhibitors eagerly rebooked their stands straight away securing not only the hottest locations but also a complimentary 30 minute exhibitor presentation spot too, a fantastic benefit of the exhibitor package. This is an unprecedented rate of sales for a show that only closed its doors three short months ago. Organisers, **Diversified Communications UK**, are urging new suppliers looking to reach this important market to book early to ensure their place. www.divcom.co.uk



MAXOPTRA AND GEOTAB INTEGRATION BOOSTS ROUTING PRECISION

Maxoptra routing and scheduling software is now available to **Geotab** customers via the Geotab Marketplace. This newly integrated solution leverages vehicle data collected via Geotab's telematics device, the **Geotab GO**, to provide fleet managers with intelligence on journey routes and times. Utilised by Maxoptra's advanced route optimisation algorithms this will help to enable improved planning and deployment of transport and field service operations. Geotab's telematics solution also provides data on fuel consumption, driver behaviour and vehicle maintenance that can all be factored into the scheduling and routing process helping to further improve operating efficiencies and boost customer service. "Maxoptra is a cloud based, open platform, which makes it easy to integrate with existing hardware, software and workflows," commented **Joey Marlow, Executive Vice President of U.S Operations at Geotab**. "Using telematics data within the routing and scheduling process can help provide additional measurements and as a result additional insights for improved decision making." www.maxoptra.com

FREE HEALTHCARE DATA FOR USE WITH MAPTITUDE 2018 MAPPING SOFTWARE

Caliper is excited to announce the release of free updated healthcare map layers. They are providing over 5 million medical and healthcare provider points-of-interest. These locations can be analyzed with the tools and data already included with **Maptitude**, such as counts by health insurance coverage type. The provision of the entire healthcare landscape in a mapping format is unprecedented. Accountable care and better access to electronic health records are driving the use of Maptitude mapping software by healthcare providers to improve the health of their communities. Maptitude is widely used to better target care interventions, to reduce re-admissions, and to help hospitals qualify for incentives for service improvement. The ability and desire to map health data has exploded. Out of the box, Maptitude 2018 with the U.S. Country Package provides detailed geographic data for the entire country that includes hospitals, emergency rooms, and pharmacies. www.caliper.com

BLUESKY CAPTURES ULTRA HIGH RESOLUTION AERIAL IMAGES OF DUBLIN



Bluesky Ireland has captured the first ever 12.5 centimetre resolution aerial photography coverage of the whole of the Greater Dublin area. Covering a total of 1,850 square kilometres the imagery is so detailed road markings, street furniture and property boundaries are all easily visible and is accurate for use in Geographical Information System (GIS) and desktop mapping software. In another first for the Republic of Ireland, the data is also being made available through a dedicated WMS (Web Mapping Service), allowing users to stream the imagery directly into their GIS or other compatible software. "This is a first for Ireland and is a result of the hard work and persistence of the Bluesky Ireland team to capture what is quite a difficult area to fly due to air traffic restrictions," commented **Rachel Tidmarsh, Managing Director of Bluesky International**. Using state of the art survey equipment Bluesky captured and is currently processing the images to the highest 'true orthorectified' standard. www.bluesky-world.ie

DRONE MAJOR GROUP INVESTS IN SUAS GLOBAL EXPANSION

The first ever dedicated incubator and start-up services for entrepreneurs, professionals and enthusiasts within the drone industry were launched by **SUAS Global** the world's largest online drone network. Formed in 2015, and having doubled in size in the last six months alone, SUAS (Surface, Underwater, Air and Space) is providing expertise, connectivity and support to meet the challenges, speed of change and innovation for an industry which is spawning many start-ups and young businesses in one of the world's fastest growth sectors. The new services from SUAS will provide a strong catalyst for even faster growth by providing access to information, experts, finance facilities, business opportunities and special interest groups, and assisting young companies to achieve their full potential. Members of SUAS Global will receive a range of benefits with a variety of membership categories tailored to meet their various needs. www.suas-global.com

FUGRO RESUMES ACQUISITION OF DATA FOR NORWAY'S MAREANO SEABED MAPPING PROGRAMME

Fugro has been awarded a hydrographic survey contract by the **Norwegian Hydrographic Service**. The survey is part of the **MAREANO** seabed mapping programme, which is financed by Norway's Ministry of Trade, Industry and Fisheries, and the Ministry of Climate and Environment. Fugro has successfully completed numerous surveys for the programme since 2006, collecting more than 100,000 square kilometres of data. In water depths that typically range from 80 metres to 1,700 metres, the survey area of approximately 14,500 square kilometres is located between the Norwegian Sea, the Barents Sea and the Arctic Ocean. Fugro's equipment on the survey vessels will collect high resolution, high density multibeam echo sounder data, together with sub-bottom and gravity meter data, to gather marine knowledge for the Norwegian mapping programme. The main objective of the survey is to collect seamless, high quality datasets between bathymetry and acoustic backscatter. www.fugro.com



ABPmer APPOINTED DESIGNATED PERSON FOR LANGSTONE HARBOUR

ABPmer has been appointed by **Langstone Harbour Board** to provide an independent Designated Person (DP) service and associated annual **Port Marine Safety Code** (PMSC) audit. The PMSC is the national standard for every aspect of port marine safety. A central requirement of the Code is that risk management processes are used to inform the implementation of a marine safety management system. The Code recommends the appointment of a DP to provide independent assurance directly to the 'Duty Holder' that the MSMS is working effectively and is compliant with the Code. **Monty Smedley, head of maritime services at ABPmer**, said; "We are delighted to be appointed as the new PMSC Designated Person by Langstone Harbour Board. We will shortly undertake a comprehensive review of their marine safety management system, associated procedures and risk register to provide reassurance that the Harbour Board is fully compliant with the Code." www.abpmer.co.uk



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EOS, LASERTECH AND ESRI INTRODUCE LASER MAPPING WORKFLOW

Eos Positioning Systems, Inc. (Eos) announced its release of the world's first laser offset solution within the **Esri Collector for ArcGIS** workflow. When combined with **Laser Technology, Inc.'s** (LTI) laser rangefinders, the solution will allow field crews to capture centimeter-accurate 3D locations of hard-to-reach assets and in GNSS-impaired environments. "By combining the high-accuracy of the Eos Arrow Series™ GNSS receivers and the laser capabilities of LTI, we can empower field crews to capture highly accurate XYZ coordinates from a safe distance," **LTI Sr. Product Manager Derrick Reish** said. "This eliminates the need for physically occupying every point." All three teams have been working closely to ensure a seamless integration with Collector and ArcGIS Online. When using an LTI laser rangefinder and an Eos Arrow Series™ receiver with Collector, a field worker can easily shoot, capture, and share high-accuracy 3D location data that is streamed into ArcGIS Online in real-time.
www.eos-gnss.com www.esri.com www.lasertech.com



MYCUMULUS 2.0 HAS BEEN LAUNCHED

MyCumulus is a cloud-based service. A combination of an app, a website and a number of tools that allows any user to create its own forms, collect or update data on an Android device and view the data on the MyCumulus website. MyCumulus is the ideal solution for any type of mobile data collection and updates, including: GIS, land surveyors, municipalities, public facilities, archeology, fieldwork research, inventarisation, etc. With MyCumulus 2.0 app, the address can be obtained based on the location. Data can be visualized on a map, temperature obtained from an external thermometer, etc. The step from data collection to personalized reports was never so easy. No cutting and pasting of data and photos. With just a few clicks PDF or HTML reports are generated. MyCumulus has an Open API, allowing developers to write tools that interact with the MyCumulus server. Integration of databases and making custom reports are just a few examples of the plenitude of solutions the API offers. www.mycumulus.com

REMOTE GEO "GRADUATES" FROM ESRI STARTUP TO SILVER PARTNER

Remote GeoSystems, Inc. has become an official **Silver Partner** in the **Esri Partner Network** after successfully building their business as an Emerging Business Partner in the Esri Startup Program. Esri offers a unique Startup Program enabling the most promising emerging businesses to incorporate these innovations into their services and solutions. Now in its third year, the Esri Startup Program provides the ArcGIS software, online services, support, community involvement and training to kick-start product development or enrich existing solutions. Remote GeoSystems was one of the first accepted early stage startups into the program. "As a small technology company bootstrapping the development and innovative product sales efforts, access to Esri's flagship ArcGIS platform and team support was invaluable," said **Jeff Dahlke, Managing Director of Remote GeoSystems**. In their three years in the program, Remote GeoSystems was able to successfully develop and go-to-market with an array of geospatial video solutions.
www.remotageo.com



GARMIN® EXPANDS COST-EFFECTIVE NAVIGATION DATABASES TO INCLUDE SOUTH AMERICA

Garmin International, Inc. announced the addition of new, cost-effective **Garmin Navigation Database** information for **South America**. This database will soon be available in the newly expanded **Americas OnePak**, which offers coverage in North, Central and South America and provides database updates across all Garmin avionics and a portable in a single aircraft. "Given the tremendous success of the Garmin Navigation Database, we're excited to expand coverage even further to South America," said **Carl Wolf, vice president of aviation marketing and sales**. New to South America, the Garmin Navigation Database provides a trusted and convenient path to incorporate the latest database information within select Garmin avionics. Data such as instrument procedures, frequencies and airport data are included in this database. Pilots operating across the Americas are offered significant savings with OnePak annual database subscriptions, which combines the Garmin Navigation Database and many other Garmin databases (where available) to provide additional data options that suit their needs. www.garmin.com



ORDNANCE SURVEY UNDERPINS UK DRIVERLESS CAR TESTING

Ordnance Survey (OS) is one of 11 partners in **OmniCAV**, a £3.9m project to develop a world-first Artificial Intelligence-based simulation model for testing autonomous car safety. The simulation environment will feature a 32km circuit of Oxfordshire roads, covering rural, urban, main roads and intersections. The simulation will be used to create and run different scenarios for the safe testing of CAVs, and will support certification bodies, insurers and manufacturers. OS will lead the capture, processing and serving of geospatial high-resolution mapping data. This will include 3D geometry and information about the roadside assets and their characteristics, so that data standards and requirements can be developed for the real-world deployment and operation of CAVs. **Miranda Sharp, Head of Innovation at Ordnance Survey**, said: "OmniCAV is one of a number of UK government-sponsored projects that supports the position of the UK as the best place in the world for autonomous vehicle testing. www.os.uk



MICROSOFT LAUNCHES BING MAPS TIME ZONE API

The new **Bing Maps Time Zone API** is a collection of five easy-to-use REST APIs that are designed to make it easy for developers to work with time zones. Both **Windows** and **IANA** standards are supported. The API will cover most of the scenarios that developers must deal with when working with time zones. Most time zone APIs available today require latitude, longitude as input. This typically requires an additional step for developers to obtain the geographical coordinates of a place before being able to obtain the time zone information. Instead, the Bing Maps Time Zone API provides a one-stop solution enabling developers to work directly with their locations. Given a place name the Bing Maps Time Zone API will return time zone information of that location. For the cases where latitude, longitude information is already available, the Bing Maps Time Zone API will return the time zone information for the corresponding location.

www.greymatter.com/bingmaps



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LINCOLNSHIRE FIRE & RESCUE RISK-BASED INTELLIGENCE CALLS FOR CADCORP SIS

Lincolnshire Fire & Rescue (LFR) selected **Cadcorp SIS Desktop** to meet their requirement for a Geographic Information System (GIS) that can support risk led, evidence based decision-making at all levels. This is pertinent to their **Integrated Risk Management Plan** (IRMP) where the geographic targeting of resources, the impact of cover and the level of risk are all being assessed. **LFR** selected this requirement because of its dynamic analysis and associated fire service specific modelling applications. Cadcorp Workload Modeller provides detailed resource and demand analysis and allows LFR to run a range of "What if" scenarios. Cadcorp Risk Modeller is used for creating multiple risk maps that can react to historical and projected data, and changes to population distribution, demographics and transport links. **Matt King, Integrated Risk Manager at Lincolnshire Fire and Rescue** commented: "The software that Cadcorp supplies, assists us in matching resources with demand and risk."

www.cadcorp.com

