ICAROS RELEASES 4.2.2 OF ONEBUTTON™ UAS IMAGE PROCESSING SOFTWARE

Icaros Inc. has announced **Release 4.2.2 of OneButton™.** The release contains new features and improvements as well as a new flight planning software module. Highlights include: Additional parameters to enable users to create enhanced quality output products, creation of parameter templates to run similar projects repeatedly, enhancement of image stitching algorithm to generate higher quality outputs for projects with high overlap, by utilizing higher resolution terrain model of the area, smaller area projects are now more accurate, free UgCS flight planning software is included with each installation. Current users of OneButton can download and install the latest version from the following link: **https://www.icaros.us/ob-software.** Potential users can download a free copy to use until October 31, 2016 from the following link: **https://www.icaros.us/onebutton/.** Icaros developed the OneButton family for geospatial end users to easily and automatically generate precise, fully orthorectified 2D maps and 3D models from frame-based aerial imaging systems. **www.icaros.us.**

SAP® GEOGRAPHICAL ENABLEMENT FRAMEWORK UNVEILED

SAP SE has unveiled **SAP® Geographical Enablement Framework,** powered by **SAP HANA®**, which helps organizations enrich business applications with geographic data from geographic information systems (GIS), such as **Esri ArcGIS**. "In many asset-intensive industries such as energy, transportation and public sector, the ability to visualize business objects on maps is critical to improving efficiency and decision making," said **Irfan Khan, GM and global head, Database & Data Management, SAP.** "SAP Geographical Enablement Framework, powered by SAP HANA, can help organizations streamline the processing of both enterprise and spatial data for greater location awareness across business processes." With continued collaboration between SAP and Esri, organizations can gain contextual insight from business and spatial data, enabling business and GIS users to work within the same multiuser access and editing environment. As an open platform, SAP HANA is also certified with the Open Geospatial Consortium (OGC). **www.sap.com.**

FUGRO DEPLOYS ITS Q1400 TRENCHERS AT THREE NORTH SEA OIL AND GAS PROJECTS

Following successful delivery of recent cable-lay and trenching projects for the renewables sector, **Fugro** has secured three contracts for its trenching services for oil and gas clients. The contracts will see its high performance **Q1400 trenching systems** deployed in the North Sea over the next 12 months. At the Wintershall-owned Maria development in the Norwegian sector of the North Sea, Fugro will deploy the Q1400 trenching system under a contract with Subsea 7. At Det norske's Ivar Aasen development, the system will be deployed for EMAS CHIYODA Subsea in June. For both projects the trencher will operate in jetting mode for burial of pipelines, power cables and umbilicals. In the UK sector, a contract with Bibby Offshore will see Fugro's Q1400 trencher operating in both jetting and cutting modes to bury a new umbilical at the BP ETAP redevelopment. **www.fugro.com**

WHAT3WORDS PARTNERS WITH GLOBAL LOGISTICS GIANT ARAMEX

what3words has closed a $8.5 million (USD) Series B funding round, led by global logistics giant **Aramex**, with existing investors **Intel Capital** and British funds **Force Over Mass Capital** and **Mustard Seed** also participating. Aramex operates in 60 countries around the world, and will use what3words in its e-commerce fulfilment operations across the Middle East, Asia, and Africa to further enhance its last-mile delivery solutions. Aramex's integration of the technology into its e-commerce operations demonstrates its commitment to investing in innovative solutions, to not only enhance its business operations, but make the logistics and transportation industry more efficient and effective. **Chris Sheldrick, CEO and Co-Founder of what3words** commented: "Aramex is recognised as one of the most innovative logistics providers in the world, and this partnership will help to propel what3words toward our goal of becoming a global addressing standard." **http//.what3words.com**

LEHMANN AVIATION REDEFINES MAPPING DRONES WITH THE BRAND-NEW L-A SERIES

Lehmann Aviation announced the launch of a totally new L-A Series line of professional mapping drones for operators around the world. Lehmann Aviation also shared new features from the all new OperationCenter v2, the most advanced Drone Management System. The new ground-breaking L-A Series is comprised of three fully automatic aircraft for three major mapping applications: LA500 for Mining and Construction, LA500-AG for Precision Agriculture and LA500-RTK for highly accurate Mapping and DEM. The new L-A series was totally redesigned from scratch, putting together 10 years of operational experience and customers suggestions, from all around the world. Made of aluminium, carbon fibre and EPP foam, with a new unique modular design and new powerful autopilot, the systems are even more rugged, reliable and easier to use than previous aircraft, at the same ultra-competitive and unmatched prices on the market. **www.lehmannaviation.com**

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HarrisGeospatial.com

GAF ESTABLISHES GEO-DATA INFORMATION MANAGEMENT SYSTEM FOR SIERRA LEONE

GAF AG is pleased to announce the successful implementation of the **Geo-Data Information Management System** (GIMS) for **Sierra Leone**. GIMS has now been officially launched by the Ministry of Mines and Mineral Resources and the National Minerals Agency (NMA). With this new information system, Sierra Leone is taking an important step towards further developing its mining sector. Geological information is one of the cornerstones for attracting new investors to a country's mining sector. Straightforward and easy access to geological and mineral information is a key element in promoting and developing the sector. GIMS facilitates the management, valorisation, safe storage and dissemination of geological and mineral information for the whole country. GIMS also includes a website, which provides a central point of access for allowing investors, mining companies and the general public to acquire comprehensive and up-to-date information and data about mineral resources and licences in Sierra Leone. **www.gaf.de**

TRENT STROMBERG JOINS AVENZA SYSTEMS AS MANAGER OF BUSINESS DEVELOPMENT

Avenza Systems Inc., producers of the PDF Maps app for mobile devices and geospatial plugins for Adobe Creative Cloud, is pleased to announce the appointment of **Trent Stromberg** in the role of **Manager of Business Development.** Trent has an impressive background in business development, sales, and strategic marketing. Over the past 7 years, his professional experience in the mapping and GIS industry has focused on building business plans and relationships to acquire map and data sources worldwide. His knowledge and experience will be used to increase the PDF Maps footprint in consumer and professional markets. "I'm excited to welcome such a well connected and knowledgeable professional," said **Ted Florence, President of Avenza Systems.** "What Avenza has achieved with PDF Maps in mobile mapping and widescale map distribution is truly innovative and inspiring," said **Trent Stromberg.** **www. avenza.com**

SEAROBOTICS DELIVERS UNMANNED SURFACE VEHICLE FOR MARINE AND AQUATIC RESEARCH

SeaRobotics Corporation (SeaRobotics) has delivered the **USV 2.5**, an autonomous 2.5 meter unmanned surface vehicle (USV) to the **Center for Marine Science and Technology** at North Carolina State University. Given the diverse capabilities of the USV, it will be utilized as both an experiential-based teaching tool and to conduct basic and applied research in lake, river, estuary and costal environments. The USV 2.5 is equipped with an extensive suite of scientific instrumentation that will provide users with a wide variety of data. This instrumentation includes side-scanning and bathymetric sonars, a high-frequency sub-bottom seismic system, an acoustic Doppler current profiler, and sensors that record the temperature and conductivity of the waters being surveyed. This system leverages SeaRobotics' extensive expertise and history delivering USVs for high precision bathymetry, water quality analysis, hydrographic survey, and many other applications. **www.searobotics.com**

POKÉVISION AND ESRI SPEED POKÉMON GO HUNTING

Esri announced that **Pokévision,** a third-party app for the viral mobile game **Pokémon Go**, uses Esri's **ArcGIS** to help players of the game find Pokémon around them. A web map powered by ArcGIS services, Pokévision shows all Pokémon near user-requested locations. When visitors type an address or drop a pin on the map, Pokémon are displayed in real time. Pokévision helps Pokémon Go players hunt more strategically by displaying location changes and time spent in each place; the length of time in a given location depends on the rarity of the character. "When

we created Pokévision, we chose **Esri ArcGIS** immediately because it was the only option that was able to scale at the rate we were growing," said the **Pokévision founder Y. Liu.** "Using Esri alleviated many of the concerns we had with scaling, and helped us to quickly and seamlessly keep pace with our growing user base." **www.esri.com**

ENVITIA LAUNCHES DISCOVERY 5 – FREEING LEGACY GEOSPATIAL DATA FROM DESK DRAWERS

ENVITIA are delighted to announce the release of **Discovery 5**, a leading-edge geospatial data discovery and processing platform. ENVITIA Discovery has traditionally provided a key technology in UK and US Military systems; managing, cataloguing and transforming geospatial data into forms deliverable in deployed systems using an intuitive browser based search capability. ENVITIA Discovery 5 significantly improves on this capability, delivering a highly scalable geospatial data warehouse, web services and portal which can consume large amounts of new and legacy geospatial data. A sophisticated data harvesting mechanism captures and optionally generates metadata profiles enabling faster and more precise search. Once catalogued the data can be viewed and combined using significantly enhanced search capabilities in preparation for delivery in a wide range of forms including: spatial databases, a range of transactional web services such as WFS and WCS, published through WMS, standards compliant catalogue interfaces. **www.envitia.com.**

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Esri's Collector 10.4.0
Eos Arrow GNSS Receivers

MAPTITUDE FOR REDISTRICTING 2016 NOW AVAILABLE

Caliper Corporation announces the release of **Maptitude for Redistricting 2016.** Maptitude for Redistricting 2016 is a powerful, and the most widely used, tool for political redistricting. Maptitude for Redistricting 2016 is the only professional product for congressional redistricting. Maptitude utilizes modern **Geographic Information System** (GIS) technology that allows state legislatures, political and public interest groups, city and county governments, and even private citizens to create and submit redistricting plans that will meet their mandated goals and stand up in a court of law. Maptitude for Redistricting 2016 has many new features. Updated datasets include the **American Community Survey** (ACS) for Census Block Groups. Speed improvements provide faster access to maps and geographic analysis. There is new file support for **Google Earth** Documents (KML/KMZ) data fields, and **MapPoint Map** files. **www.caliper.com**

CARTEGRAPH ANNOUNCES PLATINUM PARTNERSHIP WITH ESRI

Cartegraph is now an **Esri® Platinum Tier Business Partner.** This move enhances an already-strong partnership between two enterprise business systems that enable local government agencies to gain greater insight, solve problems, and make informed decisions.

"Esri is known as the system of record for asset inventory and location. Cartegraph is the complementary system of record for asset condition, work history, and cost," said **Jake Schneider, Cartegraph President and CEO.** "When used together, they become even more: They become one complete system of engagement — giving users access to incredible data and empowering a modern workflow." The Platinum Partnership announcement coincides with technology advancements that extend the capabilities of the ArcGIS® platform. The latest release of Cartegraph, the local government solution for ArcGIS, includes a stack of features to enhance the way the systems work together, including spatial analysis tools, route optimization, and in-depth data integration. **www. cartegraph.com/arcgis/**

EOS ANNOUNCES SUB-METER AND RTK SOLUTIONS FOR ESRI'S NEW COLLECTOR 10.4.0 FOR IOS

Eos Positioning Systems (Eos) announces **Arrow GNSS receiver series** compatibility with **Esri's Collector 10.4.0 for iOS** running on iPads and iPhones running iOS 8.x or later. The full range of Arrow GNSS receivers from sub-meter to decimeter to centimeter RTK accuracy all work flawlessly with Collector for ArcGIS. **GNSS metadata** such as estimated accuracy, correction status, correction age, # of satellites used is displayed in real-time in Collector so the user can monitor data quality in the field. "We worked closely with Esri during their development of Collector to ensure the best high-accuracy GNSS user experience with the Arrow GNSS series receivers, and I think we've achieved that," said **Eos CTO Jean-Yves Lauture.** "Whether it's our Arrow Lite, Arrow 100 or Arrow 200 receiver, they all work smoothly with Collector for iOS for sub-meter, sub-foot, decimeter and centimeter accuracy." **www.eos-gnss.com**

CADCORP AND BRAMBLE HUB WIN CONTRACT FROM BRACKNELL FOREST BC

Cadcorp and its' partner, **Bramble Hub** are pleased to have won a contract to provide **Bracknell Forest Borough Council** with a replacement corporate **Geographic Information System.** In January 2016, Bracknell Forest Borough Council (BFBC) issued a tender under the **Crown Commercial Service Local Authority Software Applications** (LASA) framework for provision of a replacement corporate GIS. Various organisations registered on the framework responded including Cadcorp and its' LASA partner, Bramble Hub. Following a detailed evaluation and demonstration process, Cadcorp and Bramble Hub are delighted to have been selected to provide the replacement system for BFBC. Cadcorp will supply its' **Web Map Layers** web mapping application and **Map Modeller** desktop GIS together with training and associated services. **www.cadcorp.com**

PRAISE FOR THE SURVEY SCHOOL'S PRIZE-WINNING 2016 GRADUATES

The highest achievers on the **TSA Surveying Course** were commended for their diligence and professionalism by tutors and industry professionals at The Survey School's annual graduation day ceremony. This year's presentation took place at Worcester Racecourse. Jointly sponsored by The Survey Association (TSA) and Leica Geosystems, the award for Best Student went to **David Brooks**, formerly of Pegasus Group, who gained an overall mark of 92 per cent. **David Brooks** commented on his achievement, "Studying at The Survey School has been a thoroughly worthwhile and interesting experience." **Course tutor Andrew Crumpler** said, "David is able to put his learning into practice very effectively and will be a great asset to any

organisation he works for". David came to his studies from a GIS background but with no previous experience in field survey.
www.surveyschool.org.uk

AIRBUS TO OPERATE HERON 1 DRONES FOR GERMANY ALSO IN MALI

The **German Defence Procurement Agency** (BAAInBw) and **Airbus Defence and Space** have signed a contract to provide **Heron 1 surveillance drones** to support the **Bundeswehr** mission in **Mali.** Similar to the mission in Afghanistan active since 2010, the unmanned aerial systems will be leased from Israeli manufacturer IAI and operated by Airbus. Military missions will be also in future flown solely by military personnel. The operations in Mali will start in November 2016 and are

initially planned until February 2018. "A major success factor for this new assignment is our experience gained in more than 2300 missions over Afghanistan" said Thomas Reinartz, Head of Sales for unmanned aerial systems at Airbus. "There we have proven our reliability to the full satisfaction of our customer – with a fleet availability higher than 95 percent." **www. airbusdefenceandspace.com**

GARMIN PILOT™ APP ADDS SUPPORT TO DISPLAY JEPPESEN TERMINAL CHARTS

Garmin International Inc. announced the integration of geo-referenced **Jeppesen terminal charts** within the **Garmin Pilot app** on **Apple mobile devices.** Jeppesen charts can be viewed within Garmin Pilot from the charts page and in split-screen mode alongside the moving map. The global integration of this new, popular chart option alongside superior flight planning, filing and flight logging capabilities, bring Garmin Pilot customers around the world an all-inclusive, single application solution. Additionally, **Garmin FliteCharts®** and Jeppesen approach plates can also be overlaid on the moving map for seamless navigation, while Flight Stream 510 integration supports Database Concierge wireless database transfer capabilities. Glide range ring on Apple mobile devices and automated electronic logbook within Android add to the series of Garmin Pilot enhancements. The partnership with Jeppesen provides mutual customers with additional charting options within the Garmin premier global applications. **www.garmin.com/aviation**

ORIGINGPS AND TDK ANNOUNCE COLLABORATION TO SHRINK GNSS FOOTPRINT FOR WEARABLES

OriginGPS, a leader in miniature **Global Navigation Satellite Systems** (GNSS) modules, announced today a new collaboration with **TDK.** As part of this collaboration, customers utilizing **OriginGPS Spider** modules will receive increased support to integrate TDK antennas into their designs. Existing reference designs coupled with TDK's extensive Electromagnetic (EM) simulation capabilities will allow customers to maximize GNSS performance. "TDK is one of the most well-respected names in the RF industry, so it goes without saying that we're very excited to be working with them to provide best-in-class location modules to their customers," said **Gal Jacobi, CEO of OriginGPS.** This collaboration pairs OriginGPS' smallest GNSS receiver modules, including the recently unveiled Multi Micro Spider, with the smallest chip antennas by TDK to deliver a "mini + mighty" solution for wearables that represents the best of both worlds: combining TDK's specialized RF simulation capabilities with OriginGPS' GNSS expertise and support. **www. origingps.com**

FIRST FLIGHT TEST FOR UPGRADED C-130 TRANSPORT AIRCRAFT SUCCESSFULLY COMPLETED

A successful first flight test was recently completed for the **C-130H** (Hercules) transport aircraft upgraded by **Elbit Systems** for the **Israeli Air Force** (IAF), under an agreement signed with the **Israeli Ministry of Defense.** This initial flight test was the first in a series of flight tests, and future flight tests agreed upon and will be performed in the coming months. During the flight tests, the aircraft's systems performance was tested in various modes of operation and in a variety of flight altitudes and conditions, in both day and night. The test demonstrated "out of the window" flight, in which live video was displayed on the head-up display (HUD), presenting flight and navigation data overlaying the real world by using two and three dimensional symbols, enhanced degraded visual landing applications and head tracking capabilities. Airborne refueling was also demonstrated as part of the flight tests. **www.elbitsystems.com**

GSSI ANNOUNCES NEW GROUND PENETRATING RADAR SYSTEM FOR UTILITY LOCATION

GSSI has announced the release of the UtilityScan HS, the **newest product in** its popular **UtilityScan GPR** system line. The UtilityScan line is the industry standard for efficiently identifying and marking the location and depth of subsurface utilities, including gas, sewer, and communication lines. The newly released UtilityScan HS model incorporates the 350 HS antenna, a state-of-the-art digital antenna designed with features GSSI's patented **HyperStacking™** technology. HyperStacking technology greatly improves the depth and data resolution performance over traditional RTS technologies. HyperStacking is a revolutionary real-time sampling (RTS) technique patented by GSSI, which greatly improves the receive performance of a GPR system while maintaining the measurement speed and radiated emission limits. By incorporating the 350 HS antenna, the UtilityScan HS deliver higher data resolution, better RF noise immunity, and better depth penetration than traditional GPR antennas. **www.geophysical.com**

HERE WEGO, THE ULTIMATE URBAN MOBILITY COMPANION

HERE has introduced the mobile trip companion **HERE WeGo**. The app is designed to simplify urban mobility by making it on-demand, personal and stress-free. It offers people on the go an overview of different transport options to get around the city and reach their destination the way that best fits their needs. "Today people have more choices than ever to reach their destination. HERE WeGo brings them into one place and provides users with flexible, end-to-end options for their journeys, easily comparable to make individual choices. Ultimately, HERE WeGo is the only app people need to get around the city", said **Leon van de Pas, Senior**
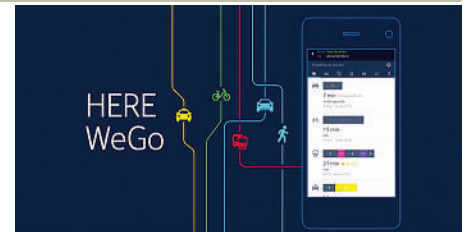
Vice President, Internet of Things at HERE. Centered around route planning and giving directions, HERE WeGo covers every part of people's journeys from start to finish, including parking suggestions and walking directions for the last mile. **http://360.here.com.**

BARTHAUER COMPANY BICYCLE PROGRAM: GERMAN COMPANY GETS EMPLOYEES MOVING

Riding a bike to work is not only good for your health and the environment: for the employees of **Barthauer Software GmbH,** it pays off financially as well. Based on the fact that the company car privilege also applies to bicycles since the end of 2012, the Braunschweig Company provides its employees with a company bicycle through its self-financing company bicycle program. Equal tax treatment of company cars and company bicycles in Germany is enabling entrepreneurs to offer bikes as a means of transportation for employees. Since the lease payment is deducted directly from the

gross salary, employees also have the option of leasing the bicycle of their choice at lower cost with a tax benefit. This legal change sends an important signal for the equal recognition of bicycles as an inner city means of transport and clearly supports environmental protection. **www.barthauer.de**

TOMTOM VIA: SATNAV RELIABILITY WITH REAL-TIME SMARTS OF A PHONE

TomTom announces two new smart satnavs, which use your smartphone to enhance their intelligence further. The **TomTom VIA 52 and 62** feature a smartphone connection – meaning drivers get much more for their money. The satnavs double as Bluetooth® connected hands-free kits for calling, feature real-time traffic information, and live speed camera alerts, all at an affordable price. The highly-praised real-time traffic information means that drivers can avoid sitting in queues, while the live speed camera alerts gets drivers to new locations safely, and stress-free. After pairing their satnav with their smartphone, drivers can simply slip the phone in their pocket, get in the car and everything is ready to go – leaving them to focus on enjoying the drive. By combining the connected smartphone and satnav, the driver gets the best of both worlds. **www.tomtom.com**

SSTL EXPANDS LEO PLATFORM CAPABILITY WITH VESTA NANOSATELLITE

Surrey Satellite Technology Ltd (SSTL) has signed a contract with **Honeywell** to supply the **VESTA satellite platform,** a technology demonstration mission that will test a new two-way **VHF Data Exchange System** (VDES) payload for the **exactEarth** advanced maritime satellite constellation. The contract was signed as part of an MOU between **Honeywell Aerospace** and the **UK Space Agency. John Paffett, SSTL's Director of Telecommunications, commented** "The SSTL nanosatellite range provides flexible and highly capable payload accommodation, engineered with SSTL's unrivalled class-leading reliability and I am delighted that VESTA will be first nanosatellite to be manufactured in our new NanoLab here in Guildford." Leveraging SSTL's extensive track record and proven heritage in the provision of high quality, cost effective small satellite platforms, VESTA is a new configuration of the SSTL-12 satellite platform, a product in SSTL's scalable LEO platform range covering 3kg to 1000kg. **www.sstl.co.uk**
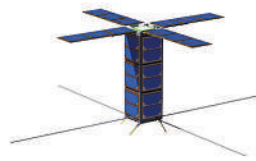
OGC ANNOUNCES V3.0 OF ITS CATALOGUE SERVICES (CAT) STANDARD

The Open Geospatial Consortium (OGC®) announces the release of version 3.0 of the **OGC Catalogue Services** standard. Catalogue services support the ability to publish and search geospatial data and services. Information (metadata) provided by catalogues supports evaluation and further processing by both humans and software. The OGC Catalogue interface standards specify the interfaces, bindings, and a framework for defining application profiles required to discover and access digital catalogues of metadata for geospatial data, services, and related resource information. The query capabilities of the **OGC General Catalogue Model** provide a minimum set of data types and query operations that can be assumed of OGC Compliant Catalogue implementations. In addition, these query capabilities provide a high degree of flexibility enabling alternate styles of query, result presentation, and the potential support of any geo-enabled query language. **www.opengeospatial.org.**