

## ESRI PARTNERS WITH FLIGHTAWARE FOR EXTENSIVE FLIGHT TRACKING

Esri and FlightAware have partnered to combine the power of the world's leading flight tracking and status company with the world's leading ArcGIS mapping platform. The partnership features the ability to view and analyze large amounts of accurate, live-aviation data in one powerful spatial system. "Esri has the tools and expertise to visualize data in a proven GIS environment," FlightAware business development manager **Max Tribolet** said. "FlightAware data is the perfect addition. We're the largest flight tracking company in the world, based on how many disparate data feeds we have coming into our system. So it's pretty powerful when you pull our data into GIS." FlightAware aggregates live flight tracking data from more than 50 government air traffic control authorities; over 10 satellite data link partners such as Garmin and ARINC Direct; and FlightAware's own in-house ADS-B receiver network, consisting of more than 3,400 receivers in over 100 countries. [www.flightaware.com](http://www.flightaware.com) [www.esri.com](http://www.esri.com)

## REMOTE GEO ADDS NEW DJI INSPIRE 1 UAV SURVEY VIDEO MAPPING APPS

Remote GeoSystems, Inc., a pioneer in Geospatial Full Motion Video (FMV) solutions, is pleased to announce direct support in all LineVision Cloud, Server and Desktop Applications for the world's most popular UAV for HD & UltraHD video capture. This new LineVision capability immediately offers tens of thousands of DJI Inspire 1 operators and pilots the ability to create and deliver interactive professional-grade video inspection and survey work products using some of the world's most ubiquitous GIS & CAD software including the Esri ArcGIS Platform, Bing Maps, Google Earth & PLS-CADD. As the video plays, a cursor moves along the GPS track on the map, constantly indicating where and when the current video view was captured based on GPS data logged during the mission. Users can geographically navigate the video recordings by simply clicking any of the points along the GPS track on a map. [www.remotageo.com](http://www.remotageo.com)



## ELBIT SUPPLIES COMMAND AND CONTROL AND ARTILLERY SYSTEMS TO AN ASIA-PACIFIC COUNTRY

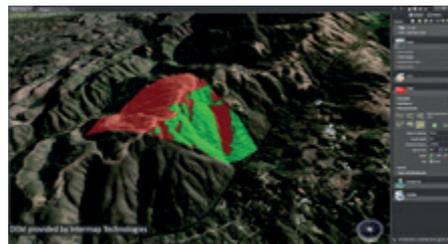
Elbit Systems Ltd. has been awarded a \$27 million contract to supply **Command and Control** and **ATMOS Long-Range Artillery Systems** to an Asia-Pacific country. This follow-on contract will be performed over a three-year period. The contract calls for the supply of a complete solution for an artillery unit, including self-propelled artillery battery, command stations, forward observation stations and target acquisition systems, as well as command and control systems, in an integrative solution to connect all systems. The

solution enhances mission flexibility, reaction speed and survivability of both the crew and the system. **Yehuda (Udi) Vered, General Manager of Elbit Systems Land and C4I Division**, commented: "The customer's decision to order additional quantities under this follow-on contract further enhances Elbit Systems' position as a world leading artillery supplier, with a variety of systems that meet the global demand for light, maneuverable and rapid response platforms."

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

## BLAZE TERRA GIVES ACCESS TO OVER 200,000 LANDSAT IMAGES

Eternix Ltd. has announced the availability of Landsat's database through **Blaze Terra**, allowing users to instantly review and analyze the entire data directly in a GIS setting. Blaze Terra gives access to all of Landsat's close to two hundred thousand images with real-time updates ensuring the latest imagery to be immediately at the user's disposal. Landsat images are represented on a global layer map, making it easy for users to work intuitively and spot areas of interest. Pinpointing a specific location, for example, returns all the Landsat imagery for that location. Despite the large number of images, search results are visualized as geospatial footprints within a split second,



easing on storage and facilitating image management. A dynamic search toolbar further allows users to query the set of images based on metadata information, cloud coverage, acquisition date, geographic area and more. [www.eternix.co.il](http://www.eternix.co.il)

# Leica Zeno 20

## More than GPS



### Simplicity without limitations: Leica Zeno 20

A GIS collector that goes further and does more, much more, than you ever thought possible. Leica Zeno 20 gives you intuitive workflows that are extremely easy, yet still offering more ways to collect data than any other solution on the market. Leica Zeno 20 sets the standard for GIS/GNSS data capturing.

Accuracies to the cm level, by fusing two innovative technologies, **gamtec** and **apogeetec**, it's a solution

created to overcome the limitations of GNSS, safely measuring hard-to-reach locations and extending your work range and productivity.

It's got the biggest, brightest best-in-class screen and an IP67 rating that'll give you the protection you need against dust and water to get the data you want, yet it's still the lightest asset management tool around. One capable companion – 24/7.

Leica Zeno 20 – it's simply more than GPS. It's the ultimate geospatial workhorse.

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Heerbrugg, Switzerland  
[www.leica-geosystems.com](http://www.leica-geosystems.com)



- when it has to be **right**

**Leica**  
Geosystems

PART OF  
**HEXAGON**

## DIGITAL ELEMENT LAUNCHES GEOMPRINT - NEW REVERSE GEOCODING SOLUTION

In order to get the most out of geotargeted campaigns, marketers need relevant, real-time location-based data to help create a smoother customer journey. With that in mind, **Digital Element** has introduced **GeoMprint**, a new reverse geocoding solution targeted at mobile device traffic. Offered as a web service, GeoMprint takes GPS-obtained latitude/longitude coordinates and converts that data into more useful geographic information such as ZIP/postcodes, cities, regions, etc. for businesses. This allows mobile users to automatically receive more localised content, messages, advertising and promotions. Without reverse geocoding the latitude/longitude coordinates are the only pieces of information returned which essentially amount to numbers and decimals. With GeoMprint, those coordinates are automatically converted into more expanded, understandable, and useful geolocation data that can be applied to targeted advertising, content localisation, geographic rights management, fraud prevention, and more.

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

## TRIMBLE LAUNCHES VRS NOW SERVICE IN GEORGIA

**Trimble** has announced the launch of **Trimble® VRS Now™** correction service in Georgia. The commercial subscription service provides surveyors, civil engineers, and geospatial professionals in the region with instant access to Real-time Kinematic (RTK) Global Navigation Satellite System (GNSS) corrections without the need for a base station. Using both the GPS and GLONASS constellations, the Trimble service delivers centimeter-level RTK corrections customized for each GNSS receiver's location anywhere in the network via cellular communications. The Trimble VRS Now service supplies accurate, reliable and easy-to-use GNSS positioning for a variety of applications including surveying, urban planning, urban and rural construction, environmental monitoring, resource and territory management, disaster prevention and relief, and scientific research. Service in Georgia is a continuation of Trimble's focus on providing solutions that enable customers to increase productivity by simplifying access to high-precision positioning around the world.

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



## EVONIK INDUSTRIES RELIES ON FREQUENTIS SOLUTIONS

**ELVIS - Evonik command and control centre and situation centre** - is in operation. Based on a long history of relevant expertise and many years of experience with safety-critical communication systems, **Frequentis** provides solutions to support corporate safety and security, threat management and protection, and civil protection and emergency management. With the Evonik command and control centre and situation centre (ELVIS) it is now possible for the sites Darmstadt/Weiterstadt and Worms to view data from various physical safety systems, and

communicate with each other in an unlimited manner. Also, each site can support the others if necessary. The new situation centre also supports consolidated and quick decisions. In case of an emergency, the Evonik disaster management team meets on-site and can make fast and well-informed decisions based on an optimal level of information. Warning alarms, access control and monitoring systems are available in real-time on both sites through Intergraph, Advancis Software & Services and Frequentis solutions. [www.frequentis.com](http://www.frequentis.com)

## HOLISTICIMAGING™ ANNOUNCES UNLIMITEDAERIAL™ 1.1

**HolisticImaging™** is pleased to announce the release of **UnlimitedAerial™ version 1.1**, the next generation **AeroTriangulations, Orthophoto, True-Orthophoto** and **Digital Surface Model** solutions. This release adds UAS support, oblique camera support and orthophoto support to their production pipeline. Naturally, all of the algorithms are designed to handle very large amounts of image data to cover even the most demanding of projects. Featuring a complete aerial data production pipeline, the production of **Aero-**

**Triangulations, Digital Surface Models, Orthophotos** and **True-Orthophotos** are now available in their solution. **HolisticImaging™** is a one-stop-shop which specializes in **Big-Geodata** production, handling and visualization. The award-winning products allow users to produce, manage, edit and interpret accurate aerial 3D information - regardless of its size. This provides customers with a unique data visualization option and possibilities to process aerial image data from any kind of source. [www.holistic-imaging.com](http://www.holistic-imaging.com)

## AIRPORT SURVEILLANCE RADAR FROM AIRBUS D&S MONITORS AUSTRALIAN AIRBASES



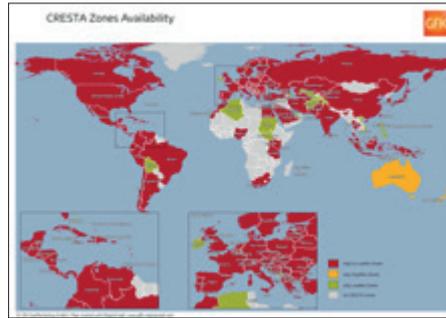
**Airbus Defence and Space** has received two contracts worth approximately €130m from Australia's new **Capability, Acquisition and Sustainment Group** to equip and support nine military and civil/military Australian airfields with the world's newest and most powerful

airport surveillance sensors. Under the project ten **ASR-NG** (Airport Surveillance Radar - Next

Generation) radars will provide enhanced input into the **Australian National Air Traffic Management Surveillance** picture and contribute to the achievement of Air Battle Management missions. Deliveries, including nine complete and one training system, are planned until end 2020. ASR-NG provides outstanding performance for wide-area surveillance around airbases as well as safe guidance of individual aircraft during take-off and landing. The system also includes the secondary radar MSSR 2000 I allowing for reliable individual identification of more than two thousand transponder-equipped aircraft at a time. [www.airbusdefenceandspace.com](http://www.airbusdefenceandspace.com)

## GfK SHOWS IMPORTANCE OF BOUNDARY DATA TO RISK MANAGEMENT

An **Intelligent Insurer-hosted** webinar demonstrated the vital role played by **GfK boundary data** such as **CRESTA zones** in successfully managing risk in the insurance and reinsurance industries. A use case by **ImageCat** shows how GfK boundary data brings greater clarity and precision to exposure data and allows it to be aggregated and shared more effectively. GfK provided administrative, postal and CRESTA boundary data specifically designed for reinsurance applications. The Intelligent Insurer-hosted webinar titled "Improving exposure data quality and usability with GfK boundary data" shows how **GfK geodata** supports risk management activities, such as loss assessment, forecast modeling and premium adjustment. The webinar featured a use case by **ImageCat**



that showed firsthand how this GfK partner and provider of risk and disaster management technologies uses CRESTA zones to extract insights from exposure data in areas prone to natural catastrophes, such as Turkey. [www.gfk-geomarketing.com](http://www.gfk-geomarketing.com)

## EUROPEAN FUNDING BRINGS ZEPHIR 300 WIND LIDAR TO MALTA



**The University of Malta** has successfully brought wind lidar technology to the country, with funding from an EU Project. The industry's single most validated wind lidar, **ZephIR 300**, will be utilised by the University to assist with

Degree program course delivery and further research within the academic communities based at the University. Furthermore, the high-resolution 50Hz wind data will aid in the prospecting of coastal wind resources. The ZephIR 300 has been assessed and accepted to deliver against strict criteria. The introduction of wind lidar to Malta ensures engineers and scientists of tomorrow's world will start their adventure with ZephIR 300 wind lidar technology as the core. This type of CW wind lidar gives very accurate measurements of the wind speed, direction and other wind characteristics including Turbulence Intensity. ZephIR 300 is also the single most validated wind lidar at a consistent IEC compliant met mast site. [www.zephirlidar.com](http://www.zephirlidar.com)

## AIRBUS DEFENCE AND SPACE DEMONSTRATES "SFERION" HELICOPTER PILOT ASSISTANCE SYSTEM

**Sferion**, the most advanced pilot assistance system from **Airbus Defence and Space**, has proven its capabilities to protect helicopters in restricted visibility conditions during a series of live flights during the **German Army Aviation's Helicopter Forum** at its **International Training Centre in Bückeburg**. Thereby, the company demonstrated the systems' ability to prevent the most significant causes of non-hostile losses and mission failures, such as controlled flight into terrain, degraded visual environments (DVE), object and wire strike and lack of situational awareness. Furthermore, Sferion in combination with state-of-the-art flight control systems builds the fundamental baseline for further developments of semi-automatic flying in DVE. The flight demonstration was carried out on a Bell 206 platform in front of numer-

ous representatives of NATO army aviation services. Among the manoeuvres shown were take-offs, enroute flights like low-level flights over hilly terrain and obstacles such as high-voltage pylons and power lines, and landings. [www.airbusdefenceandspace.com](http://www.airbusdefenceandspace.com)



## ROMTECK COLLABORATES WITH U-BLOX TO UPGRADE ITS REMOTE MONITORING SYSTEMS

**Romteck Australia**, has collaborated with **u-blox**, a global leader in wireless and positioning modules and chips, to upgrade its product portfolio. One of Romteck's flagship products, **Romteck ASE** (Alarm Signaling Equipment), is part of the collaboration. Designed to overcome the shortcomings of more traditional fire alarm systems, it constantly monitors tens of thousands of building alarms and centralizes these at a fire alarm monitoring center that then relays confirmed fire alarm information to the relevant fire and rescue services. The system allows instant knowledge and alerting of fire alarms and provides specific information as to the location, type and extent of the alarm. State-of-the-art cellular technology is therefore essential to the ASE so that it can convey life-or-death critical information in a timely way. [www.u-blox.com](http://www.u-blox.com) [www.romteck.com](http://www.romteck.com)

## BELFAST CITY COUNCIL IMPLEMENTS INTELLIGENT TELEMATICS

**Masternaut** has been awarded a tender by **Belfast City Council** for vehicle tracking and driver behaviour improvement. Belfast City Council will now benefit from **Masternaut Connect** and its powerful suite of fleet management solutions to effectively track its fleet and monitor, manage and improve driver behaviour, creating a safer fleet and providing cost savings. The contract, worth over £300,000, will see Masternaut intelligent telematics installed in approximately 350 commercial vehicles, ranging from LCVs and vans to larger vehicles like refuse collections. Masternaut will be providing in-cab devices driver feedback devices, back office software, training, and installation, as well as on-going support and maintenance. Fleet managers at Belfast City Council now have in depth visibility of the entire fleet in real time, minimising coordination challenges and helping cut fuel costs. Driver behaviour will be introduced after the initial implementation phase to create a safer and more efficient mobile workforce. [www.masternaut.com](http://www.masternaut.com)

## NRCAN BECOMES A PRINCIPAL MEMBER OF THE OPEN GEOSPATIAL CONSORTIUM

The Open Geospatial Consortium has announced that **Natural Resources Canada (NRCan)** has raised its membership level from **Technical** to **Principal level**. Led through the **GeoConnections Program** at the **Canada Centre for Mapping and Earth Observation (CCMEO)**, Natural Resources Canada has been an active member in the **OGC** since 1998. As a Principal Member, **NRCan** will participate in OGC's Planning Committee to explore market and technology trends relevant to OGC's mission to assure that OGC's policies and procedures remain effective and agile in a changing technological environment. OGC standards are an essential part of the Canadian Geospatial Data Infrastructure (CGDI). NRCan's commitment to OGC standards has contributed to the success of the CGDI as a generator of innovation, societal benefits and economic value. NRCan as providers of data, software and services in Canada are recognized as early implementers of OGC's international standards. [www.nrcan.gc.ca](http://www.nrcan.gc.ca)  
[www.opengeospatial.org](http://www.opengeospatial.org)

## JUNIPER UNMANNED PROVIDING TRAINING SERVICES FOR TRIMBLE'S UAS

**Juniper Unmanned, Inc.** has been designated as an official training services provider for **Trimble's Unmanned Aircraft System (UAS)** portfolio, which include the **Trimble® UX5, UX5 HP and ZX5** multirotor aerial imaging rovers. In this role, Juniper will provide classroom and field training services for Trimble UAS customers worldwide. To fully support Trimble's UAS global training needs, Juniper has assembled a team of experienced mapping professionals from universities, commercial firms and the military to deliver expert technical instruction supporting both distributors and operators in implementing solutions for commercial applications. Working closely with Trimble, Juniper's team has also developed an extensive UAS curriculum and supporting training materials and will provide on-site personal training, coaching, and advising. Juniper Unmanned has put together a great, week-long training course that help Trimble's customers put their UAS systems to use quickly and safely. [www.trimble.com](http://www.trimble.com)  
[www.juniperunmanned.com](http://www.juniperunmanned.com)



# MGISS'S MOBILE GIS TECHNOLOGY SAVING TIME, MONEY AND REDUCING RISK!

Remote measurement equipment provided by **MGISS** to a company who provide a wide range of technical services to the Power and Rail industries across the UK and Ireland has managed to double the daily outputs of the team compared to the traditional way of working. **LSTC** (Line Survey and Transmission Consultancy) have been tasked by a major **Electricity DNO** (Distribution Network Operator) to measure distribution overhead line conductor clearances on 1800 sites adjacent to domestic

and commercial buildings. By implementing **GE Mapsight** and tailoring custom measurement workflows, as LSTC was advised to do by **MGISS**, a single Mapsight operator surveying 50 sites per month, reducing survey costs by over 50% and improving the level of visual information provided to the client. The savings are made at the 'verification stage' where GE Mapsight replaces the visual clearance estimate and records a more accurate record of the clearance issue. [www.mgiss.co.uk](http://www.mgiss.co.uk)

## LOVELL JOHNS - A MAP MAKING COMPANY STILL THRIVING AFTER 50 YEARS

**This year marks Lovell Johns' 50<sup>th</sup> year in business.** To convey this message in a clear and refreshing way the **50<sup>th</sup> anniversary video** has been launched, providing an insightful look into all the production processes within cartography and to have a sneak peak behind the scenes a map makers world! The video link is <https://vimeo.com/136725302>. Many things have changed since the company was established and Lovell Johns has adapted and modernised, allowing the company to thrive in its 50<sup>th</sup> year. Lovell Johns has grown to now include two further brands - Maps International and Business Map Centre. **Maps International** was launched in 2003 to capitalise on the growing e-commerce



market. **Business Map Centre** evolved as it was recognised that there was a gap in the market for mapping products. Lovell Johns is a truly diverse company with passionate and highly skilled staff working on a large variety of projects. [www.lovelljohns.com](http://www.lovelljohns.com)

## SIMACTIVE RELEASES CORRELATOR3D™ VERSION 6.2

**SimActive Inc.** has released **Correlator3D™ version 6.2**, featuring a new module for tie point editing during aerial triangulation. Users can visually inspect and edit any link, with the ability to add tie points as an alternative to projects with low overlap or poor image quality. Correlator3D™ 6.2 also introduces advanced volumetric measurement tools, NDVI maps, and colorized point clouds. The added features are of particular interest for datasets col-

lected by UAVs. "Correlator3D™ has increased robustness at addressing challenging projects, salvaging sub-optimal data by producing deliverable results", said **Louis Simard, CTO of SimActive**. "The expanded capability for data analysis helps both advanced photogrammetrists and experts in applications such as agriculture and mining. We continue to offer simple solutions to complicated problems." [www.simactive.com](http://www.simactive.com).

## OXTS CREATE THE WORLD'S FIRST LOCATA+INS SYSTEM

OxTS have successfully integrated a **Locata** receiver with their **Inertial+** to create the world's first **Locata+INS** device-capable of achieving centimetre level accuracy where GPS systems fail. The **Inertial+** series, first developed in 2008, was designed for users who had an external GNSS receiver already, but still wanted to gain the benefits of an inertial system. Locata is an innovative positioning system designed to complement rather than replace GPS, by addressing the issues and shortfalls of a Global

Positioning System. One of the many benefits of Locata is that it enables positioning in environments where GPS is either marginal or unavailable. Instead of using signals from satellites, a network of ground-based Locata transmitters can be set up around any specified local area. As always, the Inertial+ allows Locata users to take advantage of their existing technology while enjoying the extra layer of measurements an aided-inertial navigation system brings. <http://www.oxts.com>

## SEAFLOOR SYSTEMS DELIVERS ECHOBOAT-MB TO CONSORCIO IUYET S.A. DE C.V.

**Seafloor Systems** has announced the delivery of one of its **EchoBoat-MB** systems to **Consortio IUYET S.A. de C.V.**, one of Mexico's largest engineering firms. The EchoBoat-MB is a remotely controlled, multi-purpose vessel, capable of carrying multiple sensors for hydrographic survey projects. The system, delivered to Consortio, is equipped with the following: **Sonic 2020 Multibeam Echosounder** by R2Sonic LLC, **Ekinox-D High Accuracy Dual GPS Inertial System** by SBG Systems, **miniSVS Sound Veloc-**

**ity Measurement Sensor** by Valeport Ltd, **HYSWEEP Multibeam Software** by HYPACK, Inc. Installation and training will take place in Mexico City for the Consortio IUYET personnel, to cover the operation and maintenance of the overall system. The **EchoBoat-RCV** is designed to carry customer-specified equipment payloads such as single- or multibeam sonar, ADCP, and sidescan sonar with ancillary sensors, pre-installed, or ready to accept existing equipment from the user's survey pool. [www.seaflorsystems.com](http://www.seaflorsystems.com)

## LASTOOLS TOOLBOX NOW ALSO FOR ERDAS IMAGINE 2015

The latest release of **LASTools** from **rapidlasso GmbH** now also contains a toolbox for the latest 15.1 version of **ERDAS IMAGINE® 2015** from **Hexagon Geospatial**. For the new 2015 version of the toolbox the installation procedure has been significantly simplified so that users of ERDAS IMAGINE can - just moments after downloading LASTools - utilize 19 of the most popular LiDAR processing modules from rapidlasso GmbH either via the icons of a new toolbar or as operators within the IMAGINE

Spatial Modeler framework. The toolboxes for the 2014 and the 2015 version of ERDAS IMAGINE are both distributed with the latest LASTools release. The new tools empower users to validate, quality-check, clean, classify, thin, raster, contour, and compress LiDAR point-clouds in LAS or LAZ formats as well as directly consume and further analyze the resulting raster or vector products with the rich functionality of ERDAS IMAGINE. [www.rapidlasso.com](http://www.rapidlasso.com) [www.hexagongeospatial.com](http://www.hexagongeospatial.com)

## TRIMBLE LAUNCHES VRS NOW SERVICE IN NEW MEXICO

Trimble has announced the launch of **Trimble® VRS Now™** correction service in **New Mexico**. The commercial subscription service provides surveyors, civil engineers and geospatial professionals in the region with instant access to **Real-time Kinematic (RTK) Global Navigation Satellite System (GNSS)** corrections without the need for a base station. Using both the GPS and GLONASS constellations, the Trimble service delivers centimeter-level RTK corrections customized for each GNSS receiver's location anywhere in the network via cellular communications. The Trimble VRS Now service supplies accurate, reliable and easy-to-use GNSS positioning for a variety of applications including surveying, urban planning, urban and rural construction, environmental monitoring, resource and territory management, disaster prevention and relief and scientific research. Service in New Mexico is a continuation of Trimble's focus on providing solutions that enable customers to increase productivity by simplifying access to high-precision positioning around the world. [www.trimble.com](http://www.trimble.com)



## Come fly with us...

As an aerial survey specialist, Bluesky uses the very latest technology to ensure its products including imagery, LiDAR and thermal data, are second to none.

### Equipment:

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Multi sensor - LiDAR, Thermal & Aerial Photo

### Microsoft UltraCam Eagle

Ultra-large-format aerial survey camera

### Other Services

- Orthophotos
- Air Quality Mapping
- Tree Mapping
- Solar Panel Mapping
- 3D Building Models
- Nightsky Mapping™

[www.bluesky-world.com](http://www.bluesky-world.com)

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