

NEWS & EMERGING TECHNOLOGY

HEXAGON TO UPDATE HIGH-RESOLUTION GEOSPATIAL DATA OF TWELVE US STATES

Hexagon's Geosystems division announced that the HxGN Content Program will refresh aerial data of twelve U.S. states at **6-inch** (15-centimeter) **resolution** for the 2023 collection season, namely Georgia, Mississippi, Alabama, Tennessee, Texas, Washington, Florida, South Carolina, Virginia, Maine, Montana, and Idaho. Approximately **996,532 square miles** (2,392,008 square kilometers) of updated high-resolution ortho imagery, stereo imagery and digital surface models will be added to the program. The four-band ortho imagery will be available through a **streaming subscription** using standard mapping APIs or via pixel download on the Hexagon Digital Reality (HxDRe) Data Store, the new online store for purchasing aerial data from the HxGN Content Program. www.hexagon.com



RIEGL LIDAR TECHNOLOGY FOR THE DIGITAL TWIN LAB OF JOANNEUM RESEARCH

In 2021, Riegl was awarded the contract for the delivery of three laser scanning systems for the Digital Twin Lab of Joanneum Research. Now, post-COVID, both teams could finally meet in person at the Riegl Laser Measurement Systems headquarters in Horn, Austria. Upon delivery of a complete and **fully integrated terrestrial, airborne, and mobile surveying system**, Riegl also invited the Joanneum Research team for a tour of the Manufacturing, Production, Research & Development headquarters. Delivery and commissioning had been successfully carried out despite the COVID-19 pandemic, but the campus visit in Horn had to be postponed indefinitely due to the Coronavirus regulations in force at that time in addition to internal company precautionary measures. www.riegl.com

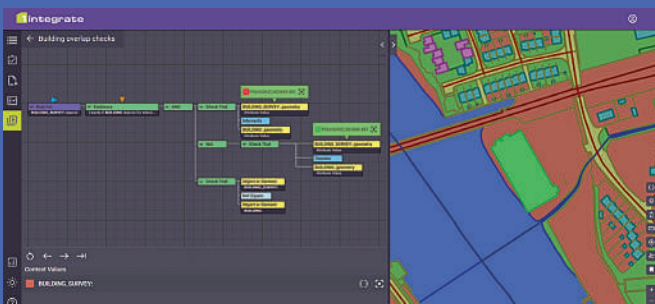
BLUESKY PARTNERS WITH UP42 TO WIDEN ACCESS TO AERIAL IMAGERY AND GEOSPATIAL DATA

Bluesky International has announced a partnership with Berlin-based UP42, a geospatial developer platform and marketplace. The recently signed agreement will see Bluesky supply its accurate, high-resolution aerial imagery covering **Great Britain** and the **Republic of Ireland** to UP42 along with other geospatial datasets. UP42's platform provides its customers with everything they need to access geospatial data from providers as well as **create** and **embed Earth observation insights** into applications. Since its launch in 2019, the start-up has grown quickly and the recent agreement with UK-based Bluesky brings additional, high-quality, up-to-date and accurate geospatial products to its customer offering. As part of the agreement, Bluesky will provide its aerial imagery, height and terrain datasets, its unique National Tree Map, and ultra-high resolution city imagery, both vertical and oblique. www.bluesky-world.com



ENHANCING THE GREAT IN 1INTEGRATE

1Spatial, the global provider of master data management solutions



that support data governance, announced the launch of 1Integrate v4.0, the no-code rules engine that automatically checks, controls and transforms data. 1Integrate 4 introduces a **brand-new user interface**, expertly reworked for a smooth user experience and huge productivity gains. The rule builder interface has been redesigned in close collaboration with real users, making it much more **dynamic** and **intuitive**, guiding you through the authoring process. Mistakes are minimized through controls such as class name validation, and any errors that do occur are clearly displayed. Adding comments promotes easy cooperation between authors, and **Node Previews** make even the most complex rule logic easy to understand at a glance. www.1spatial.com

JUNIPER SYSTEMS' CUSTOMISABLE MESA PRO RUGGED TABLET IS NOW AVAILABLE WORLDWIDE

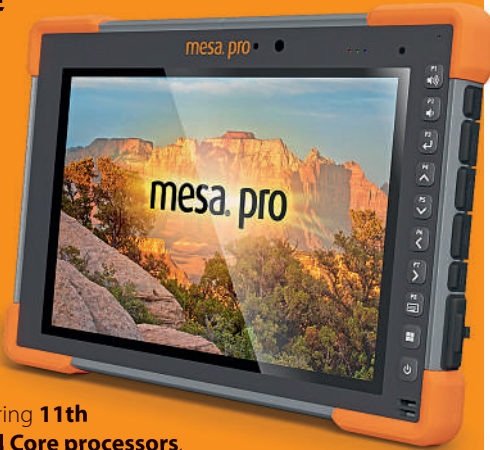
Juniper Systems Limited, a manufacturer of ultra-rugged handheld computers and precision GNSS receivers, announced that its 10-inch Mesa Pro Rugged Tablet is now available

worldwide. Featuring **11th**

Generation Intel Core processors,

a Microsoft Windows 11 operating system, device customization options, a large sunlight-readable display, and Juniper Rugged design, the Mesa Pro is the most robust 10-inch rugged tablet on the market. Mesa Pro is particularly suited to industries where **data, maps or drawings** need to be collected or referenced by outdoor workers, or those in dirty, dusty or wet environments. The ultra-rugged 10-inch tablet is already being used by workers in the Americas, in industries such as geomatics, surveying, agriculture, construction and warehousing, among others. With worldwide availability, now it can be used by workers throughout Europe, the Middle East, Africa and India.

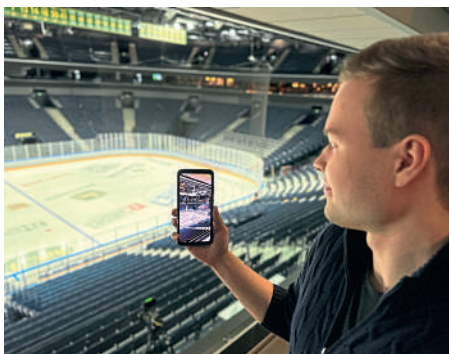
www.junipersys.com



EUROPEAN SPACE IMAGING AND AIRBUS PARTNER TO PROVIDE EMSA WITH BEST-IN-CLASS SATELLITE IMAGERY SERVICE

The European Maritime Safety Agency (EMSA) has awarded European Space Imaging (EUSI) and Airbus a 24-month framework contract for the delivery of **very high-resolution (VHR) optical satellite imagery** which can be renewed for two additional 12-month periods. EMSA relies on radar and optical satellite images as part of its maritime surveillance services to the **European Commission** and **Coastal States** to support a number of functions in the maritime domain such as pollution monitoring, maritime safety, maritime security, law enforcement, customs and support to emergencies at sea. To fulfill EMSA's imaging requirements, Airbus will supply imagery collected by SPOT, Pléiades and Pléiades Neo satellites, whilst EUSI will supply imagery from the current Maxar satellite constellation, WorldView and Geoeye, as well as other value-added services.

www.euspaceimaging.com



IMMERSAL VISUAL POSITIONING SYSTEM (VPS) CREATES AR EXPERIENCES ON TOP OF NOKIA 5G NETWORK AT NOKIA ARENA

Immersal Oy, part of Hexagon and a metaverse technology provider, announced that its Visual Positioning Technology (VPS) is used to create AR experiences in and around Nokia Arena, in Tampere, Finland. The pilot application which is currently available for Nokia and its VIP visitors at Nokia Arena includes signs inside the arena, AR experiences like the stadium decorated with playing home teams' logos, videos in AR and **interactive**

AR experiences. Different augmented reality applications and experiences are very interesting use cases for 5G. As Nokia Arena includes a 5G network from Nokia and Elisa, and the indoor arena is fitted with **5G base stations**, AR applications have the required data bandwidth and response times. Multiaccess edge computing servers can offer the low latency needed for real-time apps like player tracking in AR. www.immersal.com

HAVEBURY HOUSING INTRODUCES GIS TO MEET CORPORATE STRATEGY OBJECTIVES

Havebury Housing Partnership has selected Geographic Information System (GIS), Cadcorp SIS, as part of its strategy to streamline business processes. The integration of GIS technology into the housing association's operations marks a significant milestone in its journey toward becoming a **more efficient** and **informed housing provider**. Havebury's core values of respecting, engaging, and being fair, underpin its commitment to excellence in delivering housing services. The organization has set objectives of being a great landlord, developing new affordable homes, investing in existing homes and communities, **addressing climate change**, building a great team, and remaining a thriving business. Havebury identified that expanding its use of GIS was essential in realizing this vision. www.cadcorp.com





SPACEX TRANSPORTER-8 TO CARRY SIX SATELLITES MANUFACTURED BY KONGSBERG NANOAVIONICS INTO ORBIT

Kongsberg NanoAvionics, a smallsat bus manufacturer and mission integrator, has announced that six of its manufactured satellites are going into orbit aboard SpaceX's upcoming Transporter-8 mission. One of them, **Tiger-4**, belonging to telecoms operator OQ Technology, will expand the world's first and largest **5G Narrowband-IoT constellation in low Earth orbit** (LEO). The 6U nanosatellite is the fourth satellite manufactured for OQ Technology by NanoAvionics. The second one, a 16U optical Earth observation satellite named "**GEI-SAT**" is owned by Satlantis, a Spain-based developer and manufacturer of "Earth & Universe Observation" payloads for small satellites. The satellite is a precursor of a Satlantis' remote sensing constellation intended to perform atmospheric CH4 measurements with high spatiotemporal resolution and simultaneous geolocation of source emitters. www.nanoavionics.com

CHILDREN TEST MAPPING APPS FOR DEPARTMENT FOR EDUCATION'S CLIMATE PROJECT
 Esri UK created mobile apps that enabled children to map their emotions along with what they saw, heard and smelt across the gardens and start learning some of the skills needed to study biodiversity. Findings were explored on an **interactive dashboard**, helping them to understand how different environments cause different reactions. The National Education Nature Park is a pioneering Department for Education initiative launching later this year, created to teach children about **climate change** and **improve biodiversity** across the country. Run by a partnership led by the Natural History Museum, working with the Royal Horticultural Society and geospatial partner Esri UK, the park will enable young people to lead the way in mapping, monitoring and enhancing biodiversity at their places of education, equipping them with new skills and improving wellbeing. www.esriuk.com

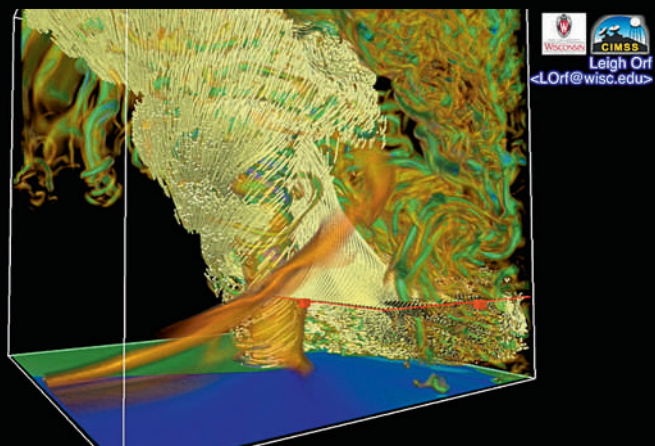


PHASE ONE ANNOUNCES IXM-SP150 AT GEOINT

Phase One, a developer of digital imaging technologies, has announced the introduction of its iXM-SP150 space camera, which boasts high-quality components that make it ideal for both **Earth Observation** and **Space Domain Awareness** applications. Phase One will officially unveil the iXM-SP150 at GEOINT 2023 in St. Louis. The Phase One iXM-SP150 is a 150 megapixels snapshot matrix camera for high-demand Earth Observation and Space Domain Awareness applications. Its snapshot matrix imaging technology provides high photogrammetric precision, eliminating errors associated with line Time Delay Integration scanning cameras. It is specifically engineered to endure the harsh conditions of **Low Earth Orbit**, providing high resolution, high sensitivity, and low noise for both color and multispectral imaging applications. www.phaseone.com

WEATHER CUBES UP TO 7D

The basic supply of weather information provided by the German Weather Service (DWD) is used in many ways, refined and offered again as specialized products. The recently completed **project DeepRain**, funded by the German Ministry of Research (BMBF) and led by Forschungszentrum Jülich, has contributed to the evolution of such services. In the consortium, Jacobs (now: Constructor) University was in charge of the weather and climate datacubes. The researchers took additional experts on board using part of the budget tasking French company **Spatialys** to extend the widely used reprojection **open-source tool PROJ** with support for rotated coordinates. As a consequence, PROJ can now transform rotated "weather coordinates" into **standard GIS coordinates**. This functionality has since become an official part of PROJ. Thus, an obstacle on the way to GIS integration of weather data has been removed through joint work by researchers and open-source developers. www.rasdaman.com



KOREC EXPANDS UK TRIMBLE FOOTPRINT WITH NEW SEP GEOSPATIAL RESELLER AGREEMENT

KOREC Group announced the consolidation of its relationship with sales, hire and service providers, SEP Geospatial. Under the terms of a new agreement, which is effective immediately, SEP Geospatial will become a **KOREC reseller** for Trimble Geospatial in the UK. The new agreement entitles SEP Geospatial to resell **Trimble Geospatial products** into the **construction sector**. Through this agreement, KOREC, as the authorized Trimble dealer in the UK and Ireland, will seek to strengthen its presence in the onsite construction market. The KOREC agreement puts in place a structure to accommodate the growing demand for Trimble technology within the UK and to enable a greater Trimble presence within new markets whilst ensuring that the high level of expertise and service experienced by existing customers is continued into new areas. www.korec-group.com



GEOALERT RELEASES NEW REGION-SPECIFIC BUILDING FOOTPRINTS AI MODELS

GeoAlert has released new region-specific Building footprints AI models and unified them under the single Buildings pipeline. Currently, there are three global regions and three corresponding Building segmentation models, which will be further improved. Whatever neural network architecture is used, the output results depend on the quantity and quality of the training samples. GeoAlert's approach is to go for a **'best-fit baseline model'** that can be quickly **fine-tuned** with additional training sets. These fine-tuned models are integrated into the platform to be selected by the released recommendation algorithm with adjusted processing parameters based on the user input data. Launching the processing, the actual regional model is selected based on the user area of interest and is now available at both Mapflow Web and Mapflow QGIS plugin. www.mapflow.ai

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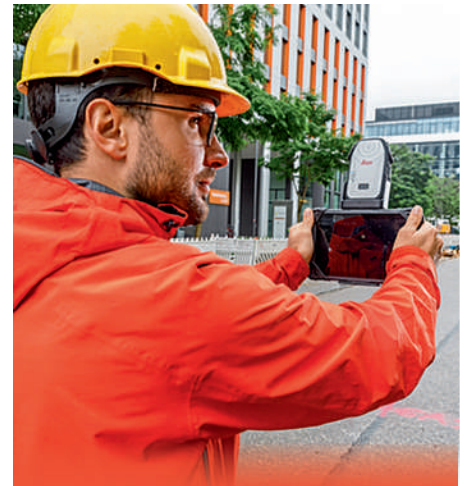
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MACH9 LAUNCHES NEW GEOSPATIAL PRODUCTION SOFTWARE TO MEET GROWING DEMAND FROM THE \$3 TRILLION GLOBAL INFRASTRUCTURE MARKET

Mach9, the company building the fastest technologies for geospatial production, launched its first product. The new product leverages AI and computer vision to produce **2D** and **3D CAD** and **GIS engineering deliverables** faster than ever before. This product launch comes amidst Mach9's pivot to a software-first business model – a move driven by the rising demand for tools that accelerate geospatial data processing and analysis for infrastructure management. Coinciding with the product launch, Mach9 is strategically investing in growing the company. They recently moved corporate headquarters to **Pittsburgh's Bloomfield neighborhood**, centrally located within the thriving Pittsburgh robotics network, and established a presence in Silicon Valley with the hire of Josh Dague, a seasoned software engineer. www.mach9.ai

INTERMAP ANNOUNCES NEW CONTRACT FOR AGRICULTURE MANAGEMENT IN SOUTHEAST ASIA

Intermap Technologies announced a contract to supply 3D digital elevation models (DEMs) to reduce crop loss for an agricultural company in Indonesia. Indonesia's economy relies on its agricultural sector, employing one-third of its labor force and representing approximately **14%** of its **GDP**. With one of the world's largest agricultural productions, the sector plays a vital role in supporting the country's growth and development. Intermap's customer is utilizing the Company's precision data for **monitoring** and **site assessment** over large areas across the islands of **Sumatra** and **Borneo**. Intermap's innovative datasets provide the client with critical information to manage their plantations efficiently, resulting in better yields. Elevation data is a key tool for agriculture companies as they decide when to irrigate and fertilize, which results in reduced crop loss due to pests and diseases. www.intermap.com



MGISS PARTNERS WITH LEICA GEOSYSTEMS TO DRIVE A DATA-CENTRIC APPROACH FOR ASSET MANAGERS

MGISS, a UK-based geospatial technology company, has signed a partnership agreement with Leica Geosystems to drive a data-driven approach to the capture, management, and exploitation of asset information. **AI, Data Analytics** and **Machine Learning** are increasingly being used to drive value within utility and infrastructure organizations and the asset data being used must be accurate and richly attributed to delivering the required results. The development of **Digital Twins, BIM** and **GIS** are demonstrating the value of a data-driven approach to industry challenges surrounding productivity, resilience, and asset performance. By placing easy-to-use Apps leveraging **high-accuracy satellite positioning** in the hands of field users, the capture, management, and utilization of authoritative asset information has become more accessible to those tasked with maintaining the asset estate. www.mgiss.co.uk

SONARDYNE LAUNCHES NEW ORIGIN ADCPS FOR INTELLIGENT OPERATIONS

Sonardyne, a provider of underwater acoustic technology, announced the launch of its new Origin Acoustic Doppler Current Profilers (ADCPs). The new ADCPs are designed to be simple to operate with data results, integrated communications and positioning, making it ideal for a wide range of applications, including **marine research**, offshore renewable energy and defense. The new Origin ADCPs feature several innovations that make them the most advanced ADCPs available on the market. These include an **integrated modem** for communications and positioning, new **Edge processing capability** and **ecosystem** where users can write their own apps for their projects. As well as the industry standard PD0, a new and exclusive A-gram and B-gram proprietary data formats offer up to ten times greater spatial resolution producing astonishing data sets. www.sonardyne.com



FREQUENTIS TO IMPLEMENT DRONE MANAGEMENT SOLUTION IN LITHUANIA

Oro Navigacija, the Air Navigation Service Provider (ANSP) of Lithuania, has selected Frequentis to provide its proven UTM solution to allow the safe, efficient, and conformant introduction of drones into Lithuanian airspace as drone use cases in the country grow. Shared situational awareness is a pre-requisite for integrating both **Air Traffic Management** (ATM) and UTM in the same airspace. Frequentis will provide Oro Navigacija with a UTM suite including **Common Information Services** (CIS) functionality for real-time, shared situational awareness and information exchange. The solution will also include cloud-based UTM Airspace Manager and UTM Operation Manager applications for both pilots and drone operators to log, manage, and visualize all flight plans and requests. The UTM solution is fully compliant with the U-space regulation by covering the U-space services and an extended set of additional UTM services. www.frequentis.com



NEW USGIF SCHOLARSHIPS

The United States Geospatial Intelligence Foundation (USGIF)'s 2023–2024 scholarship program is open for applications, including three new multi-year scholarships offered by AWS, Leidos, and GDIT. The AWS Scholarship for Inclusive Leadership in GEOINT is a **\$10,000 annual scholarship** that will be awarded to one undergraduate, graduate, or Ph.D. student studying in a GEOINT-related field who embodies AWS' commitment to Diversity, Equity, and Inclusion. The Leidos Scholarship for **AI/ML Advancement** is a \$10,000 annual award for one graduate or Ph.D. student who uses artificial intelligence, advanced analytics, or machine learning for geospatial research. GDIT has also pledged a scholarship with a uniquely important focus. The GDIT Horizons Scholarship is a \$10,000 annual award for a graduating high school senior who intends to study a **STEM** or **geospatial-related field**. First-generation students, students from diverse backgrounds, and students attending community college are particularly encouraged to apply. www.usgif.org



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TOPCON ANNOUNCES STRATEGIC INVESTMENT IN DDK POSITIONING

Topcon Positioning Systems announced it has made a strategic investment in DDK Positioning, an Aberdeen-based specialist in GNSS receivers and PPP correction services. DDK Positioning delivers services exclusively over the Iridium network to provide global precision positioning services that can **augment GNSS constellations** to significantly enhance their accuracy for critical industrial applications. Terms of the investment are not being disclosed. "For several years, Topcon has been a supplier of core GNSS components to DDK Positioning to deliver their MAX services. With the expansion and growing success of this business, specifically in the Marine sector, closer cooperation will ensure **optimal integration** for the **highest possible** accuracies and performance in the most demanding applications," according to Ian Stilgoe, VP of Emerging Business at Topcon. www.topconpositioning.com

INNOVUSION AND WIDEYE BY AGC COLLABORATE TO LAUNCH BUILT-IN WINDSHIELD LIDAR SOLUTION

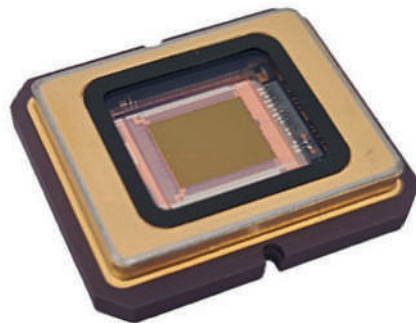
Innovusion and Wideye have announced their intention to develop an innovative integrated LiDAR solution for vehicles. This collaboration aims to provide a practical and **aesthetically pleasing** installation of LiDAR systems behind the windshield, addressing the increasing demand for LiDAR integration as mass production accelerates. The optimal installation location for LiDAR systems has been a topic of discussion in the industry. The solution proposed by Innovusion and Wideye involves integrating LiDAR and camera modules seamlessly behind the windshield, a high position that **minimizes the impact on vehicle design**, provides better protection against environmental factors, reduces the chance of damage, and benefits from existing cleaning solutions. www.innovusion.com

VISIONTRACK INTRODUCES LATEST AI VIDEO TELEMATICS INNOVATION

VisionTrack (stand 5E80) is continuing to deliver ground-breaking road safety benefits with the launch of an AI detection camera at the Commercial Vehicle Show 2023. The VT650-AI will eliminate HGV blind spots around the vehicle and enable complete **360-degree visibility** to better protect vulnerable road users (VRUs). It is part of the company's growing range of AI-powered video telematics solutions that provides the most comprehensive risk detection and intervention (RDI) currently available. The **intelligent and high-precision AI VRU detection camera** is suitable for an HGV's front, side or rear using deep learning technology to detect pedestrians, cyclists, motorcyclists and

people on scooters while disregarding street furniture. With configurable safety zones, all angles can be covered, providing the precise location of nearby VRUs in relation to the vehicle.

www.visiontrack.com



SPIE 2023: SCD TO LAUNCH THE SWIFT-EI SOLUTION

SCD, a global provider of the development and manufacture of cooled and uncooled infrared detectors and high-power laser diodes, announces the launch of its latest product, the SWIFT-EI. This groundbreaking **SWIR detector** is designed as a very low Size Weight and Power (SWaP) and low-cost VGA format 10-micron pitch SWIR detector. The SWIFT-EI is the world's first SWIR detector **integrating event-based imaging capabilities**, making it a revolutionary addition to the defense and industrial sectors. Its advanced FPA level detection capabilities enable tactical forces to detect multiple laser sources, laser-spots, Hostile Fire Indication (HFI), and much more. Its state-of-the-art ROIC imager technology offers two parallel video channels in one sensor - a standard imaging SWIR video channel, and a very high frame event imaging channel. www.scd.co.il

EAGLEVIEW TECHNOLOGIES LAUNCHES TRUEDESIGN VERSION 2.0

EagleView Technologies, a provider of software and services for the solar industry, announced the launch of TrueDesign Version 2.0, the latest release of its solar design solution. TrueDesign, a cloud-based solution, bridges the gap between sales and installation enabling users to **design solar panel layouts**, determine shading analysis, and **estimate energy production** quickly and accurately. TrueDesign is a web-based application, with **SDK and API connections**, allowing customers to use it on the EagleView website, or embed and control it within their applications. TrueDesign Version 2.0 introduces a host of new features and enhancements that make designing solar panel systems faster, more accurate, and more intuitive. www.eagleview.com

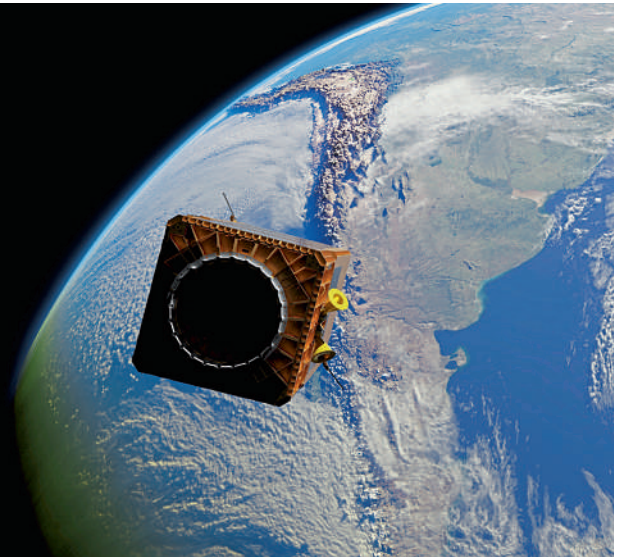


MAXAR REBRANDS SPACECRAFT PORTFOLIO, FORMING FLEXIBLE FAMILY THAT FITS ANY MISSION

Maxar Technologies, provider of comprehensive space solutions and secure, precise, geospatial intelligence, announced a rebranded lineup of spacecraft platforms that reflects Maxar's broad manufacturing capabilities and continuing investment to serve evolving commercial, civil and national security space missions. The portfolio, which includes **Maxar 300 series, Maxar 500 series** and **Maxar 1300 series buses**, reinforces Maxar's 60-plus years of satellite manufacturing leadership. These flexible platforms are designed to serve a variety of missions, ranging from proliferated low Earth orbit constellations to multi-orbit systems. www.maxar.com

ORBITAL SIDEKICK SUCCESSFULLY LAUNCHES FIRST SATELLITES IN GHOST CONSTELLATION

Orbital Sidekick (OSK), a provider of space-based hyperspectral intelligence, announced the successful launch of GHOSt 1 and 2, the first satellites in its planned GHOSt (Global Hyperspectral Observation Satellite) constellation, aboard the Transporter 7 rideshare mission on a SpaceX Falcon 9 rocket. OSK will deploy four more satellites this year aboard the **Transporter 8** and **Transporter 9** rideshare missions to complete the company's initial constellation. By year-end, GHOSt will consist of six equivalent hyperspectral imaging microsattellites, each featuring a **proprietary hyperspectral imager** unique to OSK. Now in orbit, these first two GHOSt satellites will offer unmatched global monitoring capacity, capturing nearly **500 bands of light** across the electromagnetic spectrum with **20x greater sensitivity** than traditional monitoring. The payload will produce the highest resolution commercial hyperspectral imagery ever in orbit, with a ground sampling distance of eight meters. www.orbitalsidekick.com



BLACKSKY RESELLER TELESPIAZIO TO PROVIDE SPAIN'S FIRST EVER HIGH-CADENCE, LOW-LATENCY IMAGERY SERVICE FOR DISASTER RESPONSE

BlackSky Technology reseller Telespazio Ibérica will deliver Spain's first-ever high-cadence, low-latency rapid emergency imagery service to the Government of Aragon and the Geographic Institute of Aragon (IGEAR). The autonomous community of Aragon will use the imagery service to streamline responses to various crisis **situations** including fires, floods and other **natural disasters**. BlackSky has supported several international customers and partners using satellite imagery for disaster management, including the **Turkish** and **Syrian earthquake response** in 2022 and the Beirut, Lebanon, chemical explosion that displaced more than 300 thousand people in 2020. www.blacksky.com

PLANETOBSERVER RELEASES AN ALL NEW 10M GLOBAL IMAGERY BASEMAP

PlanetObserver announced the release of PlanetSAT Global 2023, a base map that provides ready-to-perform, cloudless, and homogeneous imagery. PlanetObserver has done major improvements to their latest base map for 2023. Designed to offer a more comprehensive understanding of our planet's terrain and geography, PlanetSAT Global 2023 now provides **exceptional clarity** and **sharpness**, capturing every nuance of the Earth's diverse landscape. With realistic and natural colors, PlanetSAT Global 2023 offers an unprecedented level of detail, allowing users to zoom in and explore different geographical features with ease, from cityscapes to natural areas and industrial sites. By providing a better geographic context with every pixel, PlanetObserver aims to give users a deeper understanding of the Earth's surface and its various features, ultimately improving the user experience. www.planetobserver.com



GAF AG PROVIDES SUPPORT TO THE EUROPEAN UNION'S KNOWLEDGE HUB FOR SCIENCE, SPACE, AND DIGITALIZATION

The European Commission has selected the Stantec team, featuring GAF AG as a partner, to support the EU knowledge hub dedicated to Science, Technology, and Innovation (STI), space and earth observation, and digital development. Known as the **Knowledge Hub Digital** (KHD), this facility aims to boost international cooperation and enhance knowledge sharing in the area of digitalization, in line with the global ambition of the European Union (EU) to promote a fair, inclusive, gender-responsive, sustainable, and human-centric digital transformation worldwide. The contract requires the provision of highly specialized knowledge and technical assistance during the creation and development of the knowledge hub. www.gaf.de

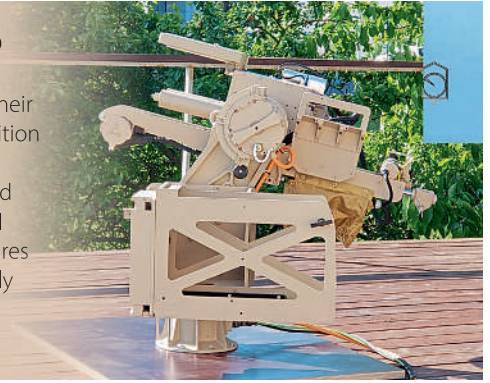
UK SPACE AGENCY FUNDING FOR INTERNATIONAL SPACE PARTNERSHIPS

The UK Space Agency is launching a £20 million fund to support international partnerships that will harness the UK's national strengths, support new space capabilities and catalyze investment. Up to **£2 million** will initially be available from the International Bilateral Fund (IBF) to help strengthen the space sector's partnerships with other space nations, with further funding to be made available over the next two years, it was announced on the opening day of the **Space Symposium conference** in the US

(17 April 2023). The IBF is the UK Space Agency's first dedicated fund focused on building and strengthening the UK's relationships with strategically important international partners and partners from emerging space nations. The funding is available to industry, academia and research organizations to work with international partners on projects that could help, for example, bring new services to market or support cutting-edge research. www.gov.uk/government/publications/international-bilateral-fund

UAVOS OFFERS AI SOFTWARE FOR AUTOMATIC RECOGNITION AND TRACKING OBJECTS IN SECURITY INDUSTRY

UAVOS, developer and manufacturer of unmanned systems, has created and integrated into their autonomous systems video processing and computer vision algorithms for automatic recognition and object tracking. Featuring the **Vision** and **Recognition AI algorithms**, with end-to-end solutions from autonomous labeling to a model training of a tracking algorithm which is based on a neural network, the software is specifically geared towards the **security industry**. The AI algorithms work through training a tracking algo based on a neural network to learn the features of objects and their movements within a video sequence. The software has already successfully been integrated into UAVOS' Pan-Tilt Platform for real-time long-range observation as well as advanced border protection, airports and other public facilities. www.uavos.com



LARGE US TELECOM OPERATOR SELECTS IQGEO TO REPLACE COMPETITOR

IQGeo, a developer of geospatial software that is "Building better networks" for telecom and utility operators, announced that IQGeo's OSPI Insight fiber network management software has been selected by a rapidly growing large tier 1 telecom operator in the US to replace a competitor's solution. This is a significant contract for IQGeo's SMB software division (having a subscription value of **US\$500k** over three years plus over **\$2.0 million** in professional services to be recognized this year), reflecting the success of this team in securing larger customers. Operating in multiple markets across southern states, the operator has grown significantly through organic expansion and acquisition. With their existing Esri-based mapping software unable to meet their increasingly complex requirements, they turned to IQGeo for an optimized fiber network management and workflow solution. www.iqgeo.com

TRIMBLE AND FHNW ESTABLISH TRIMBLE TECHNOLOGY LAB IN SWITZERLAND

Building on a vision to cultivate a highly-trained workforce that will drive the innovative solutions of tomorrow, Trimble and the University of Applied Sciences and Arts Northwestern Switzerland FHNW have collaborated to establish a state-of-the-art Trimble Technology Lab at FHNW's School of Architecture, Civil Engineering and Geomatics program in **Muttenz, Switzerland**. The Trimble Technology Lab builds upon FHNW's leadership and excellence in training and research in engineering, construction and the sustainable built environment. The lab brings a range of professionals, including future experts in **virtual design and construction**, geomatics and architecture, direct access to state-of-the-art technologies for the entire construction process. Switzerland's universities of applied sciences combine their academic programs with a strong practical orientation and a close collaboration with industry partners. www.trimble.com



SBG SYSTEMS UNVEILS ITS LATEST MINIATURE HIGH-PERFORMANCE GNSS-AIDED INERTIAL NAVIGATION SOLUTION FOR MISSION CRITICAL APPLICATIONS

SBG Systems announce Ekinox Micro, a compact and rugged high-performance inertial navigation solution designed to deliver unmatched accuracy in even the most challenging environments. Combining high-performance MEMS tactical inertial sensor with a quad-constellation, dual-antenna GNSS receiver, Ekinox Micro is the logical choice for **mission-critical applications**. It meets the MIL-STD-461, MIL-STD-1275, and MIL-STD-810 standards, ensuring **reliable** and **accurate performance** even in the harshest environments. Measuring just 4.2 x 5.7 x 6.0 cm and weighing only **165 g**, Ekinox Micro is small and lightweight, yet rugged enough to handle any application. It includes pre-configured motion profiles for land, air, and marine applications, allowing the sensor and algorithms to be tuned for maximum performance in any condition. www.sbg-systems.com

CGI AND ORDNANCE SURVEY DEVELOP WATER POLLUTION PREDICTIVE TOOL FOR NORTH DEVON UNESCO BIOSPHERE RESERVE

CGI, a global IT and business consulting services firm, in partnership with Ordnance Survey, has developed an initiative designed to remotely detect sewage overspill events from space. The project will utilize a newly created **artificial intelligence (AI) model** that can predict with high levels of accuracy the conditions most often associated with pollution events. This is the latest project undertaken by CGI's **Sustainability Exploration Environmental Data Science (SEEDS)** programme, a research initiative designed to challenge the thinking and practice around sustainability in partnership with academia, launched with the United Nations last year. SEEDS operates across multiple sectors, and nations, addressing multiple challenges with several partners. www.cgi.com

SEPTENTRIO COLLABORATES WITH BRAEMAC, STRENGTHENING ITS MARKET REACH

Septentrio signed a distribution partnership with Braemac for North America and Mexico, which will enable it to connect to new industry players, reduce lead time and improve its ability to stock and deliver products. Braemac will distribute the full Septentrio portfolio including the compact mosaic module family. With nearly 40 years of experience, Braemac distributes **electronic components** in the North American market. Seasoned in **GNSS applications**, Braemac also offers GNSS antennas, **wireless connectivity solutions** and other products, which are complimentary to the Septentrio portfolio. Septentrio will broaden market reach in North America by tapping into Braemac's well-established distribution network. www.septentrio.com

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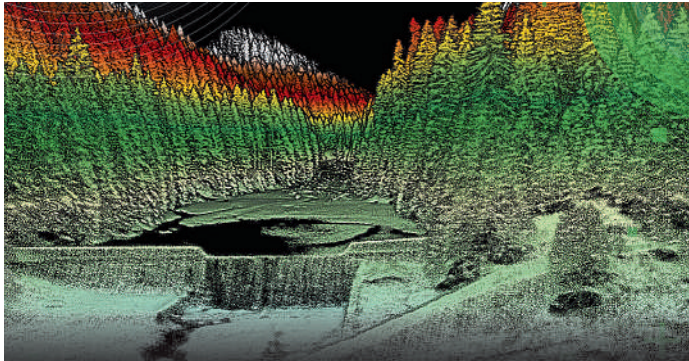
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EUROGEOGRAPHICS AND EUROGI AGREE ON COLLABORATION TO PROMOTE USE OF GEOSPATIAL DATA

The European not-for-profit associations, which represent national mapping, cadastral and land registration authorities, and users and producers of geospatial data, respectively, will work together on activities of **mutual interest**. These include opportunities for knowledge exchange and the sharing of expertise and best practice. Colin Bray, President of EuroGeographics, said: "We are proud to represent **official providers of geospatial data** across geographical Europe. Members' accurate, high-quality, reliable high-value location data is fundamental to everyday life and **underpin the infrastructures** we rely on as a modern society. We are committed to working with them to ensure it can be easily accessed by users and producers. Furthering our cooperation with EUROGI is a very positive step in achieving our vision of a society empowered by the use of trusted geospatial data and services." www.eurogi.org



TOPODRONE TO UNVEIL A NEW LIGHTWEIGHT 360° LIDAR MODEL RANGE

Topodrone, a Swiss-based designer and manufacturer of high-precision surveying equipment, releases a new lightweight 360° LiDAR model range with advanced features and capabilities: LiDAR 100 & 100+ with a **100 m working flight altitude** and LiDAR 200+ with a **200 m working flight altitude**. All of them can be used as a single payload for different carriers and installed on a drone, car and backpack. Topodrone LiDAR 200+ has successfully passed field tests and has been implemented in a test mode by two European customers. BDS Topografie conducted a surveying project in **Romania** to study a dam and mountain river with a very difficult terrain structure. Atyges and Gonzalo Malvarez from the Coastal Environments research group of the **Universidad Pablo de Olavide de Sevilla** experimented with the combination of bathymetry, LiDAR and photogrammetry approaches to survey a reservoir in Spain. www.topodrone.com

CARTO SELECTS DOORDA FOR TRUSTED, ANALYTICS-READY DATA

Doorda has been chosen by CARTO, the cloud-native Location Intelligence platform, as a geospatial data partner. Doorda's trusted, unique data—gathered only from official sources in the UK—is now a core part of CARTO's data marketplace. The need for reliable and relevant data has been identified as a critical component for data teams' **Business Intelligence** and **Data Science projects**. Recognizing the ability to dramatically improve speed and business outcomes for its end customers (analysts, data scientists & developers across sectors), CARTO has incorporated Doorda's UK geodemographic data into its **Data Observatory**, bringing together thousands of open and premium datasets to take the pain out of sourcing location data. Data teams now have immediate, simple access to curated data products delivered in standardized formats that can be easily ingested, linked and analyzed. www.carto.com

NEUSOFT AND HERE JOIN HANDS TO PROVIDE MORE COMPETITIVE GLOBAL NAVIGATION

Neusoft Corporation, an information technology, product and solution company for the global market, and HERE, an international map data service provider, announced to upgrade their strategic cooperation during **Auto Shanghai 2023**. The two sides will offer more competitive navigation product solutions to automakers around the world by leveraging Neusoft's product solutions and mass production experience in the field, and **HERE's map data services** and **online service platform**. The cooperation between Neusoft and HERE dates back a long time ago. Taking cutting-edge software technology as the core, Neusoft has integrated with the global vehicle connectivity ecosystem and established in-depth cooperation with many top map service providers, including HERE, and created competitive navigation products like OneCoreGo, Neusoft's global navigation solution. www.here.com

SPIRE GLOBAL AND ORORATECH AWARDED CONTRACT BY CANADIAN SPACE AGENCY TO DEMONSTRATE WILDFIRE DETECTION METHODS FROM SPACE

The Canadian Space Agency (CSA) has awarded a contract to Spire Global, subsidiary ExactEarth to deliver preparatory work for implementation phases of a wildfire monitoring satellite. The contract is the initial step towards CSA's planned **WildFireSat mission**, which aims to monitor all active wildfires in Canada from space on a daily basis to support wildfire management, provide Canadians with more precise information on **smoke** and **air quality conditions**, and more accurately measure the carbon emitted by wildfires. Spire will partner with **Ororatech**, a provider of space-based thermal intelligence, for the contract. The two firms have previously worked together on the successful launch of OroraTech's wildfire detection and monitoring mission on a Spire satellite in 2022. www.spire.com

