

# COMPANY SHOWCASE

SPRING 2023

**Our regular 'Company Showcase' feature is the opportunity for suppliers of goods and services from all branches of the geomatics industry to acquaint readers with their latest offerings. Innovation is key to success in today's geomatics market place... one where traditional boundaries are being blurred by the latest trends in convergence and functionality, and it is vital that users can take advantage of these technological advances.**

Surveying equipment now incorporates GNSS, GIS, Laser-based and communications, as well as optical capabilities to offer ever higher accuracy and greater local processing power at lower cost. Remote Sensing, in the widest sense, achieves new levels of resolution and precision from Laser, LiDAR, satellite, and aerial sensors, including those carried aboard a new generation of UAVs. The huge volumes of geodata captured by these and other sensors and devices are incorporated in ever more innovative information and location based services that support public and private sector decision makers at all levels, as well as citizens.

Look also for advances linked to the convergence between technologies, from CAD and BIM suites now incorporating GIS and decision support tools to smart phones used to collect and disseminate location-tagged data for commercial and citizen-oriented Open Source applications. For field use, consumers are now spoiled for choice with a wide variety of portable rugged and semi-rugged geodata collection devices based on PDA, tablet and notebook computers. And, of course, the advent of data and software as hosted services via the Cloud presents new challenges and opportunities for users everywhere.

This is an exciting decade for all sectors of the geomatics industry, with innovation powered by creativity, convergence and advances in several allied technologies. Watch this space to keep yourself up to date!

**Next Available Showcase:  
Autumn 2023  
(Published September)  
Entry Deadline: August 2023**

## EOS POSITIONING

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Eos Positioning Systems®, Inc. is the award-winning Canadian manufacturer of Arrow Series® GNSS receivers. Arrow GNSS receivers are device agnostic (i.e., work with iOS, Android and Windows) and support all mobile apps (e.g., ArcGIS Field Maps, Mapit Spatial). With Arrow GNSS, you can obtain centimetre or submetre real-time location accuracy into any device, and all Eos GNSS hardware is rugged, waterproof and lightweight.

In 2023, Eos is pleased to announce support for the brand-new Galileo High-Accuracy Service (HAS). The Arrow Gold+™ is the first GNSS receiver designed for the GIS market that supports the new Galileo correction service. This out-of-the-box Galileo service requires no subscription and works everywhere in the world. With Galileo HAS and Arrow Gold+, you can obtain FREE 10-20cm accuracy globally with 95% confidence.

We also offer several free advanced-mapping solutions, including Eos Locate™ (underground mapping) and Eos Laser Mapping™.

**Learn more about the Arrow Gold+ and Galileo HAS: [www.eos-gnss.com](http://www.eos-gnss.com).**

**Subscribe to [www.eos-gnss.com/](http://www.eos-gnss.com/) subscribe for the latest updates and industry news.**



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## GEXCEL

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Gexcel develops innovative solutions to make 3D mapping, surveying, LiDAR data processing, and 3D monitoring more competitive and effective. In addition to designing software and systems for 3D reality capture, Gexcel provides sales, support, and training.

• **PORTABLE 3D MAPPING | HERON®**  
- Advanced and versatile SLAM systems for indoor/outdoor/underground/complex sites and digital twin projects. Proprietary 4-lens/8K RGB pano camera for videos and high-res images. Patented algorithms for acquisitions' optimization. On-premise software packages included.

• **LIDAR DATA PROCESSING | RECONSTRUCTOR®** - Multi-sensor and multi-resolution software to manage 3D point clouds and images coming from different lidar and imaging platforms.

• **OPEN PIT MINE MONITORING | OPMMS®** - System for automatic 3D scanning and remote visualization of results with automatic alerts of geometrical changes.

**Contact us today for details!**

**Meet us at GEO Business:**

- Stop by booth G255
- Attend our Tech Talk with our partner ClearEdge3D "HERON next generation: a new flex core for a high versatility SLAM system"



### Gexcel Headquarter

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# handheld

www.handheldgroup.com

## RUGGED COMPUTERS FOR TOUGH ENVIRONMENTS

Handheld is a leading manufacturer of ultra-rugged tablets and handhelds that can withstand long workdays and rough conditions. Extreme temperatures, high altitude, rain, sand and dust, or getting dropped? No problem!



The new ALGIZ RT10 RTK Android tablet gives you centimeter accuracy.

See: [www.handheldgroup.com/algiz-rt10-rtk](http://www.handheldgroup.com/algiz-rt10-rtk)

Handheld provide truly mobile solutions with multi-band GNSS high precision receivers that uses RTK network corrections to deliver precise, continually satellite-corrected position and time information for centimeter accuracy.

Scan the QR-code to learn more:



You can now also get RTK expansions for some of your favorite handhelds

Whenever you need centimeter accuracy and full mobility, Handheld has got you covered – at a very competitive price.

**Get in contact for a product demo, or meet us at GeoBusiness. We'll be in Stand G520.**



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Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at [hexagon.com](http://hexagon.com) and follow us @HexagonAB.

### The Smart Digital Reality™

Hexagon's Smart Digital Reality is a digital replica of a complete physical world, where all associated things, places and processes within it are machine-readable and subject to the power of algorithms. Every Smart Digital Reality has three defining characteristics:

- **Digitally accessible:** Provides seamless access to physical world information in a digital world
- **Infinitely connected:** Draws and acts on data from multiple sources simultaneously
- **Autonomously intelligent:** Leverages data to make unaided decisions and becomes smarter over time



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### Mesa Pro: Robust and Versatile 10-inch Rugged Tablet

The all-new **Mesa® Pro Rugged Tablet** features an 11th Generation Intel® Core™ processor, Microsoft® Windows 11 operating system, and is the most robust 10-inch rugged tablet available.

From running CAD programs and viewing construction plans, to mapping and surveying, to vehicle-mounted solutions, Mesa Pro fits the processing needs of every user.

- Intel Core i5, Core i7, and Celeron™ processors available
- Many customisation options
- Large, sunlight-readable display
- Juniper Rugged™ design
- Dustproof, waterproof, shockproof
- 8+ hours battery life

Perfect for workers in the field who need a larger screen and greater processing power. Select the computing performance to fit your needs while staying within budget.

Mesa Pro's ultra-rugged design means your data is always protected, regardless of the environment around you.

For complete reliability and low cost of ownership choose Juniper Systems' rugged solutions.

### Rail Live: Visit us on Stand M94

### Juniper Systems

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## PHASE ONE

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**PHASE ONE**  
IMAGING BEYOND IMAGINATION

### Aerial imagery solutions for highest accuracy and reliability

Phase One is the global leading provider of high-end imaging technology across many business segments. This includes both hardware and software for aerial mapping, industrial inspection, and cultural heritage digitization, as well as serving the world's most demanding photographers.

Founded in 1993, Phase One provides the world's highest image quality in terms of resolution, dynamic range, color fidelity and geometric accuracy. With a passionate commitment to imaging technology, creative freedom and data to boost productivity, quality, efficiency and safety, we empower our customers with imaging beyond imagination.



Meet us at:

**AUVSI XPONENTIAL 2023, 8th to 11th May 2023, Denver (US), booth #4011**

**Geo Business 2023, 17th & 18th May 2023, London (UK), booth #G550**

**Commercial UAV Expo, 5th to 7th September 2023, Las Vegas (US), booth #823**

**Intergeo 2023, 10th to 12th October 2023, Berlin (Germany), booth #C25.38**

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## RIEGL

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### The RIEGL Turnkey Sensor Pod Solution for Airborne Mapping

As a service provider in the aerial mapping market, you don't want to waste time and money on aircraft modifications but want to focus more on your real main task?



The EASA (STC) approved RIEGL VQX-1 Wing Pod now provides a fully integrated, modular airborne laser scanning system for user-friendly operation with single-engine Cessna 172, 182 and 206 aircraft.

The wing pod is designed to carry one of the RIEGL Laser Scanners VQ-480II, VQ-580II(-S), VUX-240, VUX-120<sup>23</sup>, VUX-160<sup>23</sup>, or VQ-840-G/-GL as well as up to three high-resolution cameras and an appropriate high-end IMU/GNSS system. It can be easily and quickly installed to the aircraft without further approvals and enables the execution of diverse 3D mapping applications including topo-bathymetric surveying, corridor mapping, and wide area surveying without permanent modifications or installations to the aircraft.



Watch the RIEGL VQX-1 video and explore the capabilities and the potential benefits for your business!

**RIEGL**

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## SPYROSOFT

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**spyrosoft**



Spyrosoft is an international software development company specialising in digital geospatial products. Our specialists have extensive experience in geoinformatics and the geospatial industry. We combine our knowledge with cutting-edge technology to develop first-class geospatial products. We're using AI, machine learning, IoT, fusion sensors and computer vision to develop systems and solutions that give our clients innovative market advantage.

Throughout the years, we have worked with clients with various business needs. We can help you build complex GIS tools and integrate them with existing geospatial frameworks and systems. We can support you in creating custom-made first class geospatial solutions from start to finish. We'll help you design and build a scalable and flexible geospatial application, allowing the users to interact with collected data.

**Let's talk about your needs. Meet us at GeoBusiness 2023– we'll be at stand G224.**

**Feel invited to our keynote speech, "Role of software engineering in Geospatial industry and its innovation capabilities", during the GeoBusiness 2023.**

**Spyrosoft Ltd**

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GENEQ inc. is the developer and manufacturer since 2003 of the popular SXblue GPS family of GNSS receivers.

With revolutionary technology, our mapping-grade receivers are the first to achieve sub-meter accuracy in real time without post-processing.

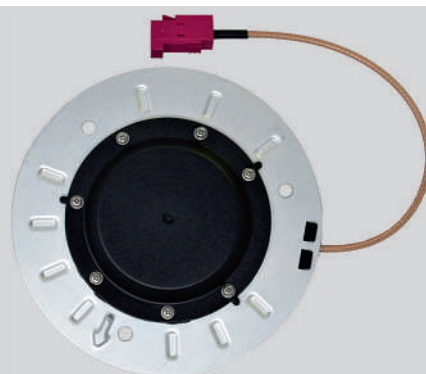
The iSXblue is the world's 1st GNSS receiver that connects via Bluetooth to any Smartphones, PDAs, Tablets and Notebooks.

Powered by its 372 channels, the SXblue Platinum is the Ultimate Survey Grade GNSS receiver designed for RTK centimeter accuracy with any GIS application, including NEW ArcGIS Field Maps from Esri, Esri Collector and Survey 123.

For surveyors looking for flexibility and cost-effectiveness, our A90 and SMART models are both smart GNSS receivers with state-of-the-art positioning and communication technologies.

We also have the most extensive accessories catalog for all of our receivers.

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**TWA928LXF AccuAuto Embedded Automotive and Autonomous Vehicle Grade Triple-Band GNSS + L-Band Antenna**

The Tallysman® TWA928LXF AccuAuto Embedded Autonomous Vehicle antenna has been designed to meet the demanding needs of the autonomous vehicle market.

It features a patented Tallysman® Accutenna® technology multi-constellation and multi-frequency antenna element. This antenna features an integrated ground plane, radome, and underside cover that provides mist and condensation protection.

The TWA928L supports Tallysman's eXtended Filtering (XF) technology which mitigates all near band Radio Frequency (RF) signals. Trust Tallysman to provide a clean and pure GNSS signal in today's noisy RF world.

The bottom cover also supports the antenna cable and mitigates cable vibration to ensure the antenna has a long service life, while the ground plane improves antenna performance. All TWA928LXF electronic components are Automotive Electronics Council (AEC) certified, designed to perform under the most challenging environmental conditions, such as extreme temperatures, continuous shock, and vibration.

When precision and robustness matter, trust Tallysman.

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**THE GLOBAL LEADERS OF AERIAL IMAGING**

When you combine expertise in aerial camera systems and photogrammetry software, a dedicated fleet of up to 50 aircrafts equipped with large format cameras and the largest aerial imagery and geospatial data program in the world, you get the industry leaders in aerial imaging.

Vexcel Imaging develops best-in-class aerial cameras and photogrammetric processing software with constant product upgrades and world-class support. The broad UltraCam lineup offers



optimized cameras for all applications in airborne photogrammetry. UltraCam data is processed with the UltraMap photogrammetry software, providing an end-to-end processing workflow for highly automated generation of quality data products including point clouds, digital surface and terrain models, orthophotos and 3DTINs.

The Vexcel Data Program (VDP) features the most comprehensive and accurate off-the-shelf library of aerial content in 35+ countries. VDP offers 8 different products including Elements for most up-to-date property and building attributes including roof condition, roof material, defensible space metrics, and much more.



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