

Welcome

Welcome to our 2015 Spring newsletter! I am enjoying writing this having been trading under MGISS for over one year now. Yes, we have celebrated our first birthday already! Not only has it been the most exciting and challenging period of my career to date, but has also proved to be the most rewarding. Why?



Well, having made the decision to go it alone and then expand by acquiring another business, I am happy to report that we have grown and now number five people in the team, including our newest team member in Business and Technical Support, Stephanie Enright. We are continuing to develop our consultancy and training services, (read more on our successful training days including one at Ordnance Survey HQ below). We are investing in Research and Development, (there's more on our Innovate UK funded UAS project and upcoming service "launch" inside) and we continue to develop our solutions to meet the requirements of industries such as Environment, Energy and

Infrastructure (EIE) by focusing on risk-reduction and regulatory compliance.

I also write this as we are right in the middle of a series of spring events within the Geospatial Industry, at which we're showcasing new products such as our Smartphone and Tablet GNSS software and sensors to new and existing customers and industry partners across the UK and Ireland. If you are able to come along we would be delighted to see you and talk about how we can help you and your business to be more productive and save you and your clients' money at the same time! Our presentation theme for this year is "If you want to have you head in the cloud, you need to keep your

feet on the ground - a look at cost-effective mapping solutions for any application."

Here at MGISS we aim to deliver a complete return on investment within a single project, by working with our customers to build a business case, providing independent advice on most cost-effective Geospatial solution, and comprehensive training, service and support throughout the lifecycle of your project.

So if you can, take a break, sit in the sunshine and hopefully pick up some useful information for your business!

Best Regards

Mike Darracott.

In the News...

MGISS recently held a scheduled training course at Ordnance Survey in Southampton which was not only hailed a success but we were very impressed at the newly unveiled OS branding!

We were showcasing some new field data capture functionality in our Digiterra Explorer product and even found time for taking some Spike Smartphone laser measurements as you can see in our pictures!



For information on our consultancy and schedule training days, please contact us on 0151 329 0820.



New Products

MGISS is delighted to announce the launch of a range of products and applications suitable for enhancing mapping capabilities on SmartPhones and Tablets. They support enterprise initiatives such as Bring Your Own Device (BYOD), and provide maximum flexibility and scalability for higher-accuracy receivers. We now have a complete range of external professional GNSS receivers and sensors to build on our existing product range including.

In addition, we launched the eagerly-awaited SmartMapper for Android product from Digiterra at the GeoBusiness show on 27th-28th May in London.

The new Spectra Precision Mobile Mapper 300, Arrow Series and Trimble PG200 all provide scalable and cost-effective solutions for data capture, inspection, mapping and surveying applications.

Spectra Precision Mobile Mapper 300

The **Spectra Precision Mobile Mapper 300** is a Smart antenna designed to be used in combination with a wide variety of mobile devices, including smart phones, tablets, and notebook computers.

- Scalable from mapping grade to full RTK accuracy (30/30cm, 7/2cm options)
- Compact, light weight and configuration-free GNSS receiver (multi-constellation)
- Space control application GNSS settings (freely available on Google Play)
- When synchronized with applications such as Digiterra SmartMapper for Android or Esri Collector, the MM300 delivers reliable positional data and robust performance.

The Mobile Mapper 300 is ideal for GIS applications that require high-accuracy GIS data including heights/elevations such as in:

- Utility as-built surveys
- Ground-profiling
- Stockpile surveys



Arrow Series GNSS

The **Arrow series** is the world's first GNSS receiver series able to provide down to 1cm real-time accuracy on your Android, iOS and Windows mobile device.

- Supports existing and future GNSS (GPS, GLONASS, Galileo, BeiDou, QZSS)
- Android, iOS, Windows compatible.
- Down to 1cm RTK real-time accuracy.
- Supports Digiterra, Esri and other mapping software
- Supports OmniSTAR® HP and G2 service
- Eos Tools application freely available on Apple store



With an Arrow receiver you will not be tied to legacy GNSS receiver hardware software, the Arrow can grow with you!

The Arrow series is ideal as a scalable GNSS solution for many applications including: Arboriculture, Ecology and Land/Estate mapping.

Trimble PG200



The **Trimble PG200** is a rugged, pocket-sized GNSS receiver that provides sub-metre precision to users of any Bluetooth connected mobile device including smartphones, tablets, or more traditional integrated data collection tools such as the Trimble Juno T41, Yuma 2 and Nomad 900.

- Supports multiple GNSS constellations (GPS, GLONASS, Galileo, QZSS and BeiDou)
- Utilises Satellite Based Augmentation Services (SBAS), Trimble ViewPoint™ RTX or Virtual Reference Station (VRS) correction
- Trimble GNSS Status app freely available

The Trimble PG200 series is ideal as a truly pocket-sized, reliable GNSS solution for applications including:

- Asset inventory
- “BYOD” Bring Your Own Device Enterprise mobility
- Public Sector infrastructure inspections

For more information about any of our products or to order, please call us on 0151 329 0820 or email info@mgiss.co.uk

Training Courses

Are you tired of paying large software licence and maintenance fees for Desktop GIS Software? Did you know that there is an open source free alternative called QGIS?

QGIS (or Quantum GIS) is becoming increasingly popular in the GIS industry. Not only is it Opensource and free to use but its continual development has led to mainstream use and replacement of enterprise GIS tools across both the private and public sector

where cost-savings and value for money are continually having to be found. MGISS are pleased to announce that we are now offering a series of training courses for QGIS which are aimed not only at our DigiTerra mobile users, but also novices and experienced users of mainstream desktop GIS software.

The MGISS QGIS course has been tailored to create a field to office workflow, linking to DigiTerra/ESRI mobile applications, and desktop data management/analysis/export in QGIS.

Topics that are covered include:

- Project Setup
- Integration with Mobile data capture software (DigiTerra)
- Map functionality (Zoom, Pan & Bookmarks)
- Measuring
- Layer Styling and annotation
- Print Composer
- Digitising & editing
- Data selection & Querying
- Data Export
- Creating New Layers & Attributes
- Creating points from text files
- Geo processing (clip, buffering, intersect, union)
- WMS and Open source mapping
- Snapping
- Spatial Queries
- Spatial and table goings
- Advanced Symbology
- QGIS Extensions

MGISS are currently offering QGIS training courses at various locations across the UK. Prices start at £295 per person for a 1 day course and £395 for a two day course. Alternatively, MGISS can offer an onsite training day for up to 4 people tailored to your individual needs for £995 per day (all ex VAT). **Please contact us for more details.**

We also deliver training on the following:

- DigiTerra Explorer
- GNSS Post processing
- ESRI ArcPad
- ESRI Collector App
- ArcGIS for Mobile including setup within ArcGIS for Server
- Relational Database Design
- PostgreSQL/PostGIS



MGISS awarded Innovate UK SMART grant to develop its “Drone” technology solution!



Earlier this year, MGISS were successful in receiving a grant from Innovate UK (formerly the Technology Strategy Board) to assist in developing a cost-effective Unmanned Aerial Vehicle solution (UAVs or Drones as they are more commonly known) for its core markets including Environment, Energy and Infrastructure.

Smart is a grant scheme which offers funding to small and medium-sized enterprises (SMEs) to engage in Research and Development projects in the strategically important areas of science, engineering and technology, from which successful new products, processes and services could emerge.

The scheme supports SMEs carrying out R&D which offers potentially significant rewards

and that could stimulate UK economic growth. Having completed the project in April, MGISS are grateful to its project partners including Liverpool John Moores University (LJMU), Insightful Dimensions (aka Will Tomkinson), Point4Geo and Arbonaut for their able assistance.

As a next stage, MGISS will be tailoring the solution further, using both Fixed Wing and Rotary platforms, and working more closely with industry partners to provide some live project input. We will also be partnering with commercial providers to “launch” a UAV mapping and inspection service very soon.

Watch this space...

Save the dates...

MGISS will be showcasing all new products and services at a number of key events this Spring/Summer including:



Unravelling the Mystery - UAVs, London

www.eventbrite.co.uk/e/unravelling-the-mystery-uavs-25-june-2015-tickets-15154631912?aff=ebapi%3Fnomo%3D1%3Fnomo%3D1%3Fnomo%3D1



LJMU UAVs Conference, Liverpool

www.ljmu.ac.uk/about-us/faculties/faculty-of-technology-and-environment/general-engineering-research-institute/events-and-collaborations/uavs-conference-2015



Space Enabled Futures, Liverpool

www.ukspace2015.co.uk



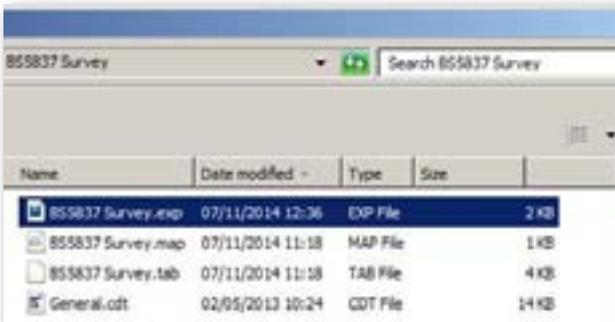
Spatial Ecology Conference, Bristol University

http://www.ert-conservation.co.uk/sec3_introduction.php

Pop along and say hello!

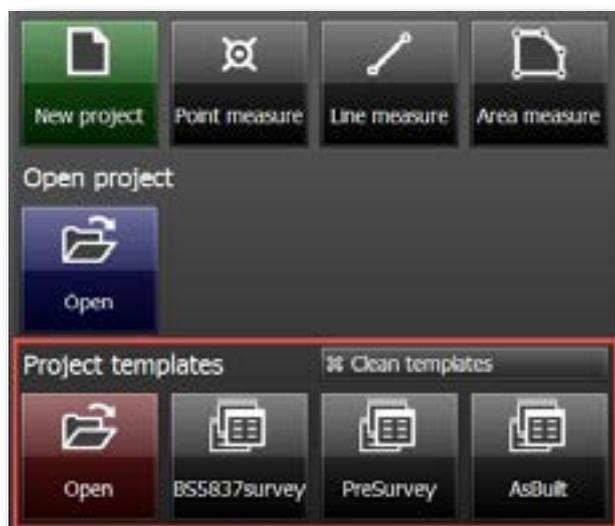
Did you know?

The latest version of DigiTerra supports Project Templates. Templates enable multiple workflows in DigiTerra on the fly. Setup is in the same way as a standard project. Templates contains an empty schema of your layers in shapefile format, 1 CDT file and 1 DigiTerra explorer project within the same folder.



The project templates sit within the MapTemplates folder located on the SD card or DigiTerra Explorer v7 program folder. An example of where this can be used is with BS5837 tree surveys, where the data is to be collected to a set specification but must be separated for different sites.

Project templates can then be easily accessed from the new start up splash screen within DigiTerra V7.



Ever struggled with GNSS coverage at certain times of the day under tree canopy or in a dense urban canyon?

Online GNSS Planning Tools are available such as the one shown from Trimble. This means mapping staff and surveyors can determine times optimum GNSS coverage in difficult environments such as under tree canopy and within built up areas.

Simply enter your location from the interactive world map and the time period of survey to get the predicted number of satellites and geometry throughout the day. This is particularly important when using High accuracy GNSS such as the ProMark 220 and SP80.

[The Trimble tool can be accessed here.](#)

Are you an ESRI customer who uses any of the ESRI mobile products? Are you having difficulty customising these products your needs?



MGISS now offers a bespoke customisation service for ESRI ArcPad, ArcGIS for Mobile and the Collector App. This includes the customisation of layers, forms and toolbars to match your workflow requirements. Don't keep hitting your head against a brick wall, please contact us with your requirements and we would be more than happy to help!

We are Recruiting!



As part of our expansion, MGISS are looking to recruit talented people in Technical Sales and Pre/Post Sales Support.

For further information and to apply please refer to [our Careers page](#).

Welcome Steph!

We are delighted to welcome Stephanie Enright to the MGISS team. Steph is a Geography graduate from Edge Hill University and joined us back in November 2014 as Business and Technical Support Analyst based in Liverpool.

Steph is responsible for all Digital Marketing website and social media updates, as well as first line of technical support response. Steph will be attending many of our upcoming events and is looking forward to meeting existing and new customers.

Welcome aboard Steph!

Website Updates



MGISS has made a number of changes to its new website including improved visibility of all products and services, and will be updating our case studies and blog much more regularly.

Visit our site at:
www.mgiss.co.uk

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