

Peter Fitzgibbon, Editor

## Having your cake ...



Just as the brinkmanship between London and Brussels over the Galileo satellite navigation system threatens to derail Theresa May's preferred 'deep and special relationship' with the EU on security and defence matters, so British companies face the prospect of being cold-shouldered from future EU projects.

Already, a big question mark hangs over British aerospace industry's participation in future work on Galileo, the final phase of which is expected to be worth some €10 billion. It's worth noting here that Surrey Satellite Technology Ltd (SSTL) has built all 22

Galileo satellites to date and that other UK-based businesses are also heavily involved, most notably in supplying technology and expertise for its highly sensitive Public Regulated Service (PRS) for defence and security purposes. All that is now in jeopardy.

There can be no denying the complexities of the ongoing discussions, but time is pressing and – as with the EU/ESA Copernicus remote sensing satellite programme – nothing of substance has been agreed. Uncertainty is rife and, perhaps as another 'backstop' option, the UK Space Agency has been charged by

Government to lead the development of a British alternative to Galileo.<sup>1</sup> So maybe it comes down to what science writer Philip Ball suggested in a recent article in *The Guardian*<sup>2</sup>, "Once again it seems that the only way we'll have our cake and eat it is by baking our own."

1. <https://www.gov.uk/government/news/uk-space-agency-leads-work-on-options-for-independent-satellite-system>

2. <https://www.theguardian.com/commentisfree/2018/may/28/galileo-space-eu-satellite-brexit-microcosm>

NEWS EXTRA

### Cadcorp launches Extended Support Service

In addition to its standard annual maintenance support package, **Cadcorp** is now offering their UK customers the option of a new Extended Support Service. The **Cadcorp Extended Support Service** includes consultancy days to be called off against a range of services throughout the year. Typical services that can be provided are: Installation and configuration of service releases, Building and maintenance of additional test environments, Database support and installation, GIS and Web mapping implementation reviews, Data Management, System integration, Custom application development and configuration, and Cloud Migration. Benefits of the extended support service include discounted consultancy rates, ease of purchase, flexible call off and priority scheduling of consultancy. [www.cadcorp.com](http://www.cadcorp.com)



### GeoPlace announces winners of the 2018 Exemplar Awards

**GeoPlace** has announced the winners of the **2018 Exemplar Awards** which were presented at the 13th annual GeoPlace conference and exhibition Edgbaston cricket club on 10th May 2018. The Exemplar Award 2018 was presented to **Mid Sussex District Council** for its work using its local address register to underpin a bid for money from the Chancellor's £190m Local Full Fibre Networks Challenge Fund to encourage the roll out of fibre broadband to homes and businesses. To submit a bid, the council had to demonstrate that their proposal would harness public sector connectivity to deliver a significant economic benefit to the local economy, driving up inward investment and the growth of local businesses; particularly those in the digital economy. [www.geoplace.co.uk](http://www.geoplace.co.uk)

### Fleetcheck Teams Up With Ctrack To Support Connected Fleet Management

**FleetCheck** has entered into a new agreement with **Ctrack**. FleetCheck's advanced fleet software will be integrated with the **Ctrack Online** vehicle tracking system to meet growing demand for connected solutions from customers. Ctrack joins a select number of preferred telematics partners that are working with FleetCheck, so vehicle operators can take advantage of live information to enhance fleet management and performance reporting. With this integration, businesses of all sizes will now be able to benefit from a joined-up approach that streamlines existing fleet management, compliance and maintenance processes. The availability of multiple data sources, direct from the vehicle in real-time, will also provide operational insight, enabling users to identify areas of improvement around fuel usage, road safety and duty of care. [www.ctrack.co.uk](http://www.ctrack.co.uk)



### 1Spatial launches Data Gateway

**1Spatial** has launched **Data Gateway**, a new extension for the popular **1Integrate** data management solution. Data Gateway allows users to access powerful, self-service data validation and enhancement capabilities without specialist training. The extension lets system administrators provide a simple drag-drop-and-play portal for non-specialist users. Internal staff and external partners can then apply validation or enhancement rules to files of geospatial data using a simple web interface. Administrators can control the available rules on a project or user basis and monitor results. Data validation and enhancement becomes faster and more efficient while administrators' expert-time is freed up to focus on more complex tasks. Data Gateway is ideal for: Organisations who want to provide data processing capabilities to their users or partner organisations. [www.1spatial.com](http://www.1spatial.com)

## TCarta Delivers Satellite Derived Bathymetry Data

TCarta has delivered satellite derived bathymetry (SDB) to Total SA, one of the world's largest oil and gas producers. Total will use the water depth data for preparing seismic survey works off the coast of Myanmar. TCarta generated the SDB dataset by digitally extracting accurate water depth measurements from multispectral imagery acquired by the European Space Agency's Sentinel-2 satellite. The resulting bathymetric data had a point

spacing of 10 meters with measurements to a depth of 15 meters. The deliverable covered a 30-square-kilometer area around Prepara Island in the Bay of Bengal. "Our processing team delivered the satellite derived bathymetry just a few weeks after Total placed the order," said TCarta CEO David Critchley. "Traditional airborne or shipborne bathymetric mapping would have taken several months and cost ten times more." [www.tcarta.com](http://www.tcarta.com)



## thinkWhere's Cloud GIS helps Digital Scotland Superfast Broadband

thinkWhere is supporting the Digital Scotland Superfast Broadband (DSSB) programme. The ambitious infrastructure programme, designed to maximise the coverage of superfast broadband across Scotland, recently announced that it has achieved its target of **95 per cent fibre coverage**. Underpinning work on the DSSB programme, thinkWhere provided a range of services including an extensive address matching exercise, the implementation of a cloud-based Geographical Information System (GIS) and bespoke training. Digital Scotland funding partners include the Scottish Government, Highlands and Islands Enterprise, BT Group, the UK Government through Broadband Delivery UK (BDUK), local authorities and the European Regional Development Fund. The GBP 428M DSSB programme is helping to bring high speed broadband to Scotland and is one of the most ambitious infrastructure programmes in Europe. [www.thinkwhere.com](http://www.thinkwhere.com)

## KOREC invests in 'New Generation' Trimble MX9 Mobile Mapping System

Combining high-quality performance, simple installation and easy operation. KOREC, Trimble's leading distributor in the UK and Ireland, has taken delivery of Trimble's 'New Generation' MX9 Mobile Mapping System. The MX9 will be available to KOREC customers either through purchase or as KOREC's preferred system for undertaking large-scale scanning and mapping surveys on behalf of its clients through its services company, K-SERVICES. The Trimble MX9 is a complete field-to-finish mobile mapping

solution and has been developed to deliver survey-grade data and detail in an easy to use and install design. The MX9 combines a vehicle-mounted mobile lidar system, multi-camera imaging and field software for efficient, precise and high-volume data capture, delivering up to 500scans/second. The end result is data of unrivalled accuracy, density and repeatability. [www.korecgroup.com](http://www.korecgroup.com)



## ELWAG Project announced to advance autonomous vehicle positioning

Spirent Communications plc has received funding from Innovate UK to help research sensor fusion. The Enhanced Assured Location Simulator Leveraging WiFi and GNSS Sensor Fusion (ELWAG) project will develop better testing to assure position accuracy. Spirent will be working with project partners WMG, University of Warwick and Chronos Technology Ltd. on the project, which will last 18 months. GNSS offers the opportunity for providing highly accurate position determination and developers are keen to exploit the additional performance offered through "fusing" location information from multiple sensors. Complementing GNSS accuracy with a microelectromechanical systems (MEMS) inertial sensor, which is always available, and WiFi, results in a fused solution that has higher accuracy, availability and integrity than any of the primary sources. [www.spirent.com](http://www.spirent.com)

## Gatwick's new passenger app wins two awards at separate ceremonies

Gatwick's new passenger app won **Mobile Innovation of the Year** at the **National Technology** awards, and also picked up **Mobile App of the Year** at the **Real IT** awards. The airport also won **Cloud Project of the Year** at the Real IT awards after becoming the world's first major airport to introduce a cloud-based Flight Information System (FIDS). The App and FIDS are the first of several passenger-facing digital innovations coming on stream, with Gatwick's 'digital transformation' programme. Under the slogan App App and Away, Gatwick's first passenger app launched at the start of the year and provides personalised, real-time flight updates, gate information and check-in and security queue times straight to your phone. [www.gatwickairport.com](http://www.gatwickairport.com)





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## Trimble Catalyst

**Trimble Catalyst** is a revolutionary technology that features a subscription-based software GNSS receiver, so you can get insanely close to your world. Whenever, wherever, you want to.

## MX9

**The wait is over, the MX9 is here.** A Mobile Mapping Solution for Large-Scale Scanning and Mapping Missions.

The MX9 is a complete field-to-finish mobile mapping solution combining state-of-the-art, advanced hardware with intuitive field software and a reliable, efficient office software workflow.

## Locate 2 Protect

**Protect your assets with Trimble's easy to use, convenient tracking and theft deterrence solution Locate to Protect (L2P).**

Find an asset's location both indoors and outdoors down to street level address by utilising GPS and A-GPS technology within the tracker. The embedded product is currently installed on all Trimble S5, S7 and S9 Total Stations, and can be retrofitted to older models.

AND THEN THERE WAS

# ONE

## SX10

**The Trimble SX10 will change the way you work.**

**The device is an all-in-one solution that combines 3D LiDAR scanning, total station measurement, and the TrimbleVISION imaging technology into a single device.**

**Book your appointment today with one of our geospatial consultants**

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