



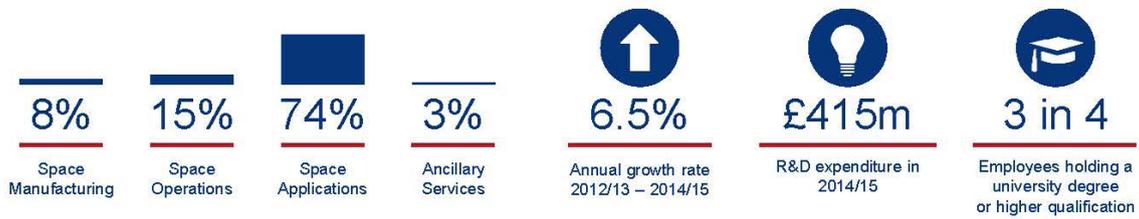
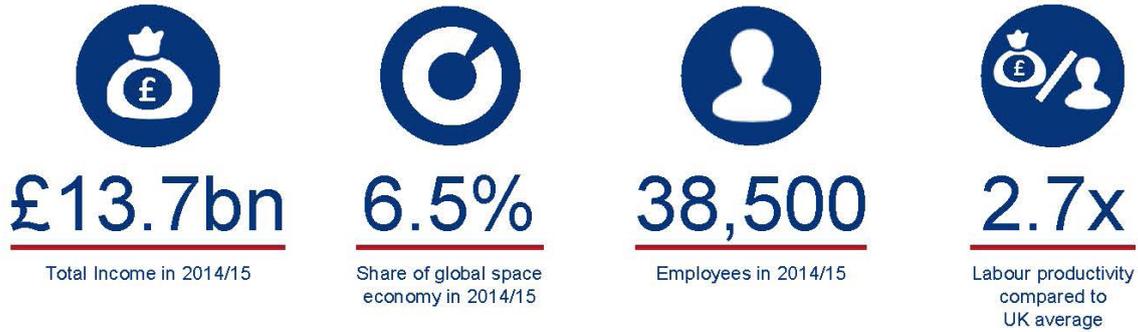
# Would Like to Meet

London

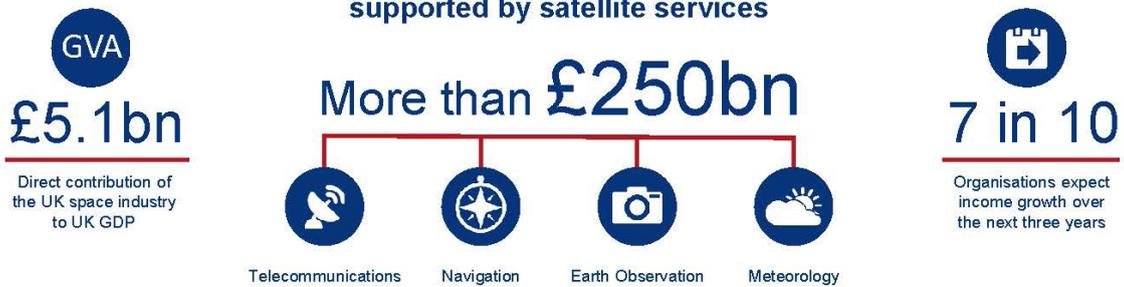
February 2018



# Size & Health of the UK Space Industry 2016



## Wider UK GDP\* supported by satellite services



Note: Based on analysis of 697 UK-based space-related organisations.  
Source: London Economics (2016) *Size & Health of the UK Space Industry*.  
\*UK non-financial business economy only. Owing to complexities in measuring their Gross Value-Added (GVA) accurately, this figure excludes financial services and insurance, public administration and defence, public provision of education, health and all medical and dental practice activities (this restriction is a feature of the ONS *Annual Business Survey* data series employed).



# CONTENTS

---

<b>Welcome</b>	<b>3</b>
Conference Centre Map	4
Contacts	4
<b>Attendees</b>	<b>5</b>

# WELCOME

---

I'd like to welcome you to 'Would like to meet' the first, of what I hope will be many, opportunities for the Applications and Services sector to come together in the UK. I am delighted to see so many of you registering for this event, showing that there is a real passion for this work and for the superb opportunities that are available.

I decided to set this event up when, last year, I was approached by investors asking for information about companies who I had said 'no' to, but who had 'something'. We have a HUGE number of companies and people with 'something' but, I was not at liberty to disclose this information. What I could do was to put as many of you as possible in a room together and let the magic happen. I hope that you meet some interesting people today, that ideas can be exchanged, that there can be lively debate and that business can be done. If nothing else, then I hope that you are interested by the speakers that are here today, all offering support to you.

The UK Space Agency is working to support the UK's Applications sector - as was shown by our investment in the ESA Applications programmes in December 2016. Nationally, the UK is also supported by the Government's Industrial Strategy, which will help the UK Space Agency continue working with industry to develop new technologies, infrastructure and services and to help grow the UK's share of the global space market from 6.5% to 10% by 2030 - most of which will be applications and services.

Our economics team would not forgive me if I didn't mention the UK's 'Size and Health' study - a bi-annual study looking at the, you guessed it, size and health of the UK Space Industry every 2 years. In 2016, the Applications sector was, I think, under-represented. In the summer, I will be writing to you all asking you to participate - please do - it takes about 20 minutes, and having an accurate representation of our sector will allow us to better plan, both Nationally and Internationally.

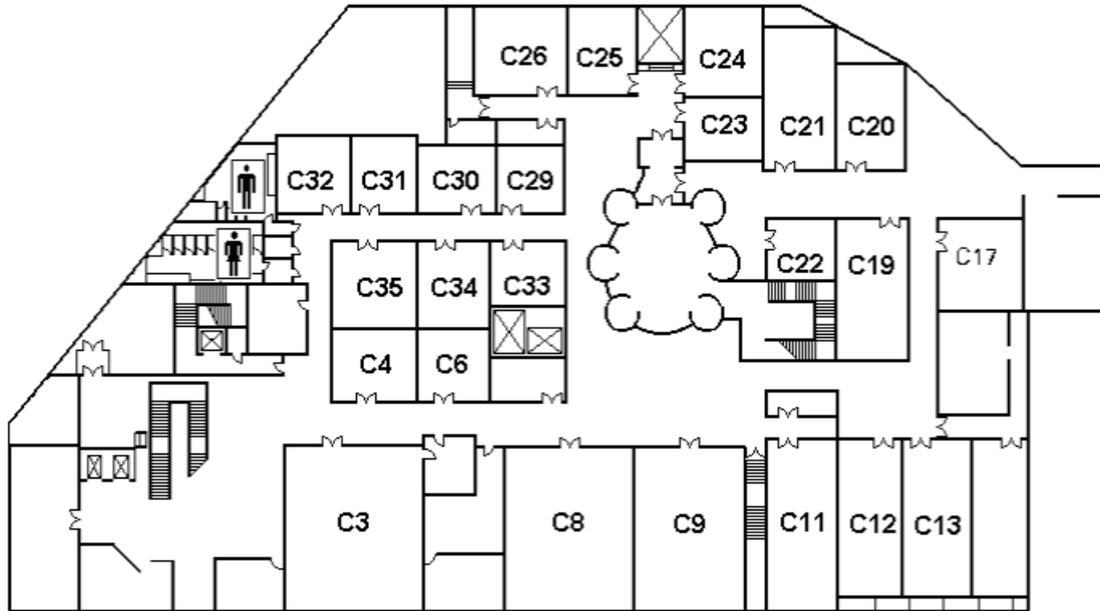


Finally, I hope you all have a successful and interesting afternoon, take the opportunities to meet others, use the private rooms if you need to, and learn from our speakers.

Please don't hesitate to come and speak to me, or one of my team, if we can help you in any way.

**Emily Gravestock**  
UK Space Agency  
Head of Applications Strategy

# CONFERENCE CENTRE MAP



## Contacts at UK Space Agency

Emily Gravestock, Head of Applications Strategy  
Chris Hall, Space Applications Project Manager  
Priti Mehta, Space Programmes Project Officer

07788 334 852  
07803 442 425  
[artes@ukspaceagency.bis.gsi.gov.uk](mailto:artes@ukspaceagency.bis.gsi.gov.uk)

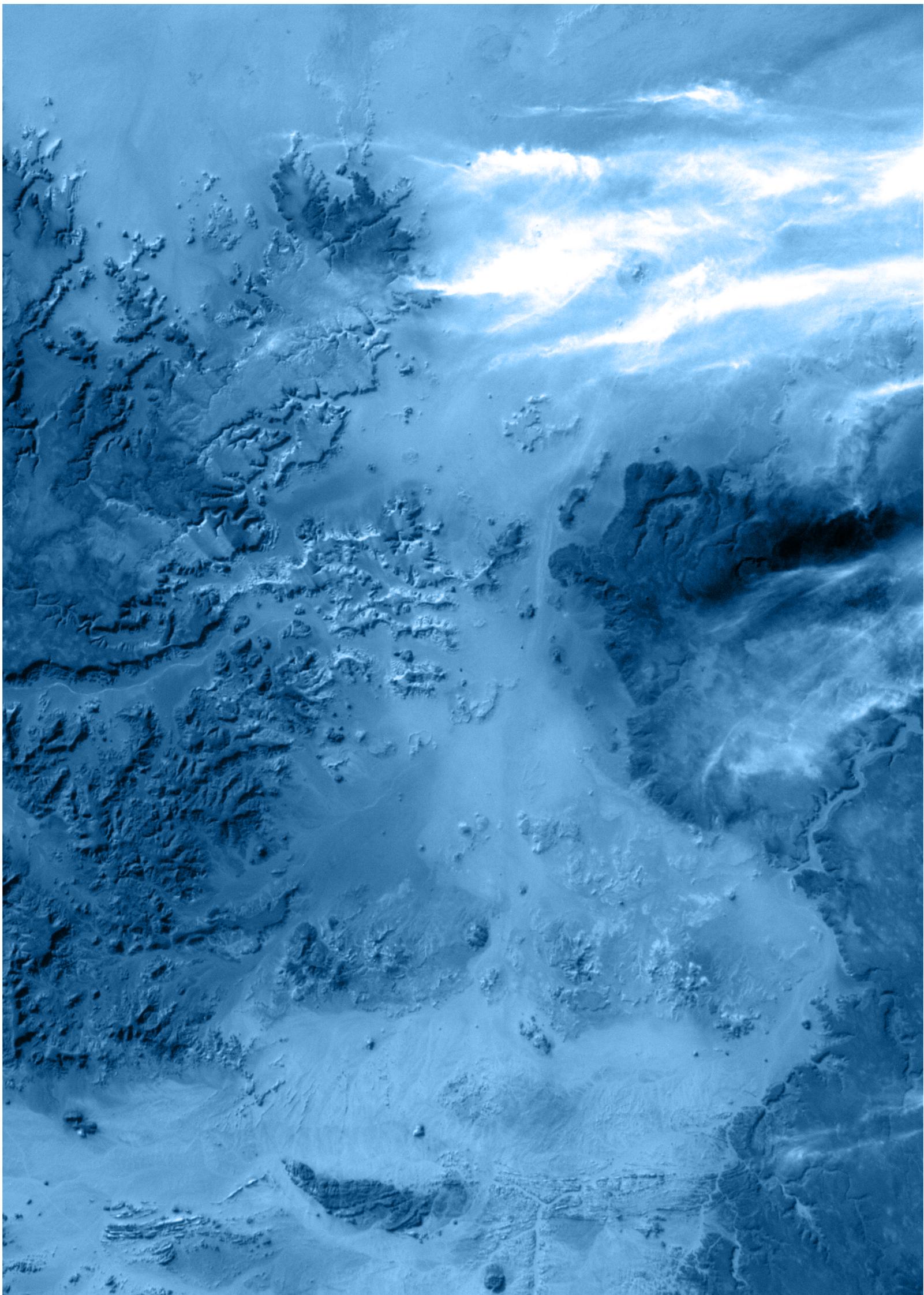


UK Space Agency Business Applications Team

Space applications are at the forefront of the UK space sector, accounting for £10 billion to the economy and employing 27,000 people.

# ATTENDEES







**Name:** 350IP/Bluefield Technologies  
**Size:** SME  
**Location:** UK/US  
**Contact:** jonathan.bryers@350ip.co.uk

Bluefield Technologies uses a combination of sensors, micro-satellites and AI to provide full Earth coverage and granular detection of methane emissions. Bluefield Technologies is a Silicon Valley-backed start-up and is currently working with a range of partners to bring its product to market over the next 18 months. Bluefield is working with 350IP, a UK commercialisation advisory firm, to establish strategic and commercial partnerships.

## AB<sup>5</sup> Consulting

[www.ab5consulting.com](http://www.ab5consulting.com)

**Name:** AB5 Consulting  
**Size:** 2  
**Location:** 27 Queens Walk, London, W5 1TP  
**Contact:** +44 (0)20 8997 2987  
[www.ab5consulting.com](http://www.ab5consulting.com)  
[info@ab5consulting.com](mailto:info@ab5consulting.com)  
[betty@ab5consulting.com](mailto:betty@ab5consulting.com)  
[gabriella@ab5consulting.com](mailto:gabriella@ab5consulting.com)

AB5 Consulting ([ab5consulting.com](http://ab5consulting.com)), based in London, offers consultancy in high technology sectors, such as satellite, space, communications, defence, energy, dangerous goods and transport. It develops innovative solutions in enabled environments. The company works with the industry, regulators and UN Agencies in due diligence, system assessment, business development, market access, regulatory and licensing. Also carrying out its own projects. The above study is generating possible applications of Mega Constellations, which could be further explored, AB5 Consulting are open to new projects and collaborations.



**Name:** Agricompas Limited  
**Size:** SME  
**Location:** Oxford  
**Contact:** Roelof Kramer, [roelof.kramer@agricompas.com](mailto:roelof.kramer@agricompas.com)  
Mobile 07896929322,  
Skype: roelofjankramer

**Expertise:** Agricompas is specialised in creating and processing agricultural data sets into crop production knowledge and value chain decision support. **Business applications:** Agricompas together with Rothamsted Research are leading a project in the IPP2 competition for the improvement of rice and oil palm in Colombia. **Future plans:** To create data processing platforms for multiple crops worldwide to provide stakeholders with services that improve the technical, environmental and economical efficiency of their processes



**Name:** Agrimetrics Ltd  
**Size:** SME  
**Location:** Lawes Open Innovation Hub, Rothamsted Research, Harpenden, AL5 2JQ  
**Contact:** info@agrimetrics.co.uk  
 +44 (0)1582 938 888

Agrimetrics big data platform offers the industry an opportunity to combine data in novel ways to improve performance and create new types of applications and services. Agrimetrics power has been used in two demonstrator projects: An easy-to-use interactive and confidential benchmarking app that pulls information from multiple datasets to allow farmers to compare the performance of their crops to others on similar land; A dashboard that visualises data analysis so it is easy for non-specialists to understand. This example was developed for Defra to show how natural capital indices can be applied to different parishes. Agrimetrics is now developing whole supply chain data integration projects to illustrate the strength of its capability.



**Name:** Airbus Defence and Space  
**Size:** 130,000  
**Location:** Multiple  
**Contact:** martin.moseley@airbus.com

Airbus Defence and Space specialises in the design of secure and resilient to interference communications systems and services. One particular area of speciality is the definition, implementation and support of communications equipment and management systems that support and exhibit these features. We are currently implementing them within products that are equally applicable and saleable within the military and commercial markets. These products will come to the market through 2018. They provide benefits to Governmental and Critical National Infrastructure market, amongst others.

The logo for Alphid features the word "ALPHID" in a bold, white, sans-serif font, set against a dark blue rectangular background.

**Name:** Alphid Ltd  
**Size:** Small  
**Location:** United Kingdom  
**Contact:** yannick.melameka@alphid.com

Thermal analysis is one of the most important aspects of space technology and satellite sub systems. We have experts that deal in thermal analysis of satellites based on data that you provide us. We have on our team experts in the field of thermal engineering and analysis who will help you in attaining the best possible solution for your problem. Spacecraft and satellite subsystems 3D modeling: 3D modeling is a cost-effective way of testing any static or dynamic system before a prototype is developed. Alphid Ltd provides you with accurate 3D models and their analysis. These models can be of any subsystem of a spacecraft or satellite. The models help is further analysis of how the machine will behave in a real time environment.

## AMBIENTAL

PREDICTING · PREVENTING · PROTECTING

**Name:** Ambiental  
**Size:** 30  
**Location:** Brighton, UK  
**Contact:** Ambiental, Science Park Square, Brighton,  
BN1 9SB, UK  
www.ambientalrisk.com  
info@ambientalrisk.com1

Area of expertise: Combining advanced flood modelling, predictive analytics, machine learning and intellectual skills to provide critical insight into flooding and flood risk. Working with insurers and reinsurers, brokers, national and international government organisations, and strategic partners. Current projects: Products and services covering UK and international markets. We create flood hazard maps, risk analytics, loss models, flood forecasting and flood monitoring technologies. Pioneering the development of climate change future flood risk tools. Developing software and providing consultancy services. We are growing our expertise to maximise the use of remotely sensed data and apply machine learning and AI to solve big data problems and environmental challenges.

**Name:** Andrew Cutts  
**Size:** 1  
**Location:** West Sussex  
**Contact:** acutts@acgeospatial.co.uk

Freelancer and Consultant specialising in GIS, Earth Observation, Computer Vision, Machine Learning, Python and Data Analytics. I offer a range of services including: Technical content writing, ghost writing for blogs / articles; Technical training in Geospatial Python, from Beginner through to intermediate level; Consulting on GIS and Earth Observation. Focus area is open source and data analytics derived from satellite imagery. I plan to continue writing and sharing knowledge about the world of EO. I have written over 70 technical Earth Observation blogs and am co-host of the #scenefromabove podcast.

**Name:** Applied Physics Ltd  
**Size:** 1-2  
**Location:** Salisbury  
**Contact:** 07748 648 081

Applied Physics Ltd currently provides test management SME services to the space and defence industry. These services include thermal vacuum testing, vibration, environmental and EMC testing to ESA, Def Stan and Mil Spec standards. Applied Physics has drawn up plans to build and operate a test facility in the Salisbury area. This facility will offer thermal vacuum testing initially. This is a timely networking event to advertise the availability of a class 5 clean room 3x2x2m thermal vacuum test chamber and Test Planning Service to its future customers and also seek out helpful funding opportunities for the endeavour.



**Name:** Archangel Imaging Ltd  
**Size:** SME  
**Location:** Harwell Campus, Oxfordshire  
**Contact:** ceo@archangel.im

AI eyes for land, sea and sky. Archangel Imaging (AI) builds integrated edge intelligence camera systems as payloads for customer long range unmanned systems, or as stand alone static cameras. Most AI applications run on large centralised servers. This requires streaming all imagery back. We like problems in the middle of nowhere, where you have to push the intelligence out: Border and perimeter security; Infrastructure monitoring & inspection (pipelines); Maritime safety; Anti-illegal fishing & smuggling; Combating illegal logging & poaching; Pollution; Child labour. Our devices send alerts over satcom, cellular, IoT or, if fitted to unmanned systems, their native links.



**Name:** ARGANS Ltd  
**Size:** SME  
**Location:** UK  
**Contact:** cjacobs@argans.co.uk

ARGANS is specialized in the development and operation of ground and user segments of Earth Observation satellites, and on the supply of Geo-Intelligence. ARGANS focusses on "qualified" remote-sensing services using Big Data (time series of mixed radar and optical data), i.e. sensor calibration and validation, dataset normalization and uncertainty assessment when monitoring marine, atmospheric and terrestrial environments, as well as human activities, based on data mining and machine learning methods. ARGANS Business Applications currently include: Development of data processors; Operations of EO mission performance centres; Specification and simulations of EO missions; Coastal Mapping; Marine Litter; Maritime delimitations; Forests monitoring.



**Name:** Arke Ltd  
**Size:** Micro-SME  
**Location:** Westbury, Wiltshire  
**Contact:** Robin Smith (rsmith@arkeltd.co.uk)

Arke provide specialist engineering and analysis services in support of UK MOD Research and Development Investment decisions. Our expertise is focused on developing the economic and commercial case for successful exploitation of novel and disruptive technologies, particularly in relation to advanced manufacturing, open systems architectures and autonomy. We are currently looking to apply our skills base to other industries where there is a need to demonstrate Value for Money.



**Name:** ASIS International  
**Size:** Global 35,000, UK 800  
**Location:** UK  
**Contact:** info@asis.org.uk

ASIS International is the leading global membership organisation for security professionals, with c.35,000 members in 70+ countries including 800 in the UK. The UK Chapter celebrates its 25th anniversary in 2018 and its members come from across industry and government including c.60 members in the Foreign and Commonwealth Office. Stephen Ackroyd CSyP, Aviation Lead ASIS International UK Chapter.



**Name:** Applied Satellite Technology Systems Ltd (AST Systems)  
**Size:** 20+  
**Location:** Southampton, UK  
**Contact:** sales@ast.systems

AST Systems specialise in satellite and radio solutions including fixed and mobile voice and data services, Internet of Things (IoT), location based services and PTT. Our proprietary web application enables users to remotely control and monitor their systems and sensors anywhere in the world; even where there is no cellular or fixed infrastructure. Including pipelines, generators, environmental conditions, vehicles, smart clothing, livestock and many more. The future possibilities are limitless. Part of a market leading Global Group, AST Systems has partnered with the Scottish Government, delivering resilient satellite communication services to the Highlands and Islands. See our website for details.

## ***ATKearney***

**Name:** AT Kearney  
**Size:** 100  
**Location:** London, UK  
**Contact:** 02074 688 000

A.T. Kearney is a global management consulting firm that focuses on strategic and operational CEO-agenda issues facing businesses, governments and institutions around the globe.



**Name:** Auroch Digital Ltd  
**Size:** 15  
**Location:** Bristol  
**Contact:** tom@aurochdigital.com

We are a games development and consultancy studio. We specialise in creating games that connect to real issues, science and education. This work has gained us recognition such as the Nominet Foundations list of 100 'Tech for Good'. We are currently creating a grand strategy game about the development of a space program from inception in the 1950s to the first base on Mars around 2050. We're keen to talk to companies who would be interested to partner with us in using this game as outreach to the public about what they do, about adding their works into the game.



added value solutions

**Name:** AVS UK  
**Size:** SME  
**Location:** Harwell Campus, Oxfordshire  
**Contact:** Alberto Garbayo  
 agarbayo@a-v-s.uk.com  
 01235 567 095

AVS UK is a technology development company that produces bespoke solutions to Science and Technology markets, from the initial concept through to manufacture, integration and test. AVS is working in new electric propulsion technologies, space mechanisms and developments for exploration, scientific missions, telecommunications and Earth Observation. AVS also develops a new service that monitors air quality worldwide with short temporal resolution enhancing new business applications and establishing the stepping stone for organisations to establish new policies and regulations. AVS will soon become a new player in the UK market with a catalogue of space products enabling access to breakthrough technologies.

INSPIRED WORK

**Name:** BAE Systems Applied Intelligence Limited  
**Size:** Large  
**Location:** UK  
**Contact:** john.young7@baesystems.com

BAE Systems understands the complexity of digital systems - we deliver some of the most advanced military platforms and networked systems in the world. Through the Applied Intelligence Laboratories (AI Labs), BAE Systems develops the tools, techniques and simulations that support the planning, implementation and protection of complex, digitally connected systems. Put simply, AI Labs is the innovation hub within Europe's largest defence and security company. Currently Providing TTCP Modems to ESA for deep space TT&C capability.



**Name:** Barefoot Lightning Limited  
**Size:** 12  
**Location:** York/Jaipur  
**Contact:** Dr Simon M Holland  
 simon@barefootlightning.com  
 07740 433 444

Barefoot Lightning has been working with farmers and stakeholders in developing countries for over 10 years. Our key capabilities are around understanding their needs and how to communicate knowledge for decision making. We use a mix of animations with scientific analysis and input from farmers on their preferences to drive uptake of good practices. We have been working on two space-related projects with strong UK/International consortia. These covered animal-health, nutrition and migration in Sub-Saharan-Africa and sustainable rice production in SE-Asia. We are looking to develop these projects further as well as extend into new areas with the support of additional investment.

## ■ Barum & Dewar

**Name:** Barum and Dewar Group Limited  
**Size:** £3M  
**Location:** UK  
**Contact:** Emma Wilkinson

Barum and Dewar Ltd design and manufacture bespoke satellite and sensitive equipment cases and containers. Working to often rigorous specifications, Barum & Dewar have over 20 years' experience in the build of transit and storage containers for space hardware, optical equipment and similarly demanding assemblies. With attenuated interface plates, humidity control, complex shock and vibration analysis and sealed for purging with inert gas, our containers are designed to provide complete protection to the payload throughout transportation from laboratory to launch site.



**Name:** Blue Skies Space Limited  
**Size:** 6  
**Location:** IDEA London, EC2A 2BB  
**Contact:** marcell@bssl.space

Blue Skies Space is a company that provides access to space science satellites to universities worldwide as a service ("Space science as a service"). We have secured a Business Applications grant to develop our model further. We plan to launch our first satellite (Twinkle [www.twinkle-spacemission.co.uk](http://www.twinkle-spacemission.co.uk) focusing on IR spectroscopy from a LEO platform) in 2020 with a rapid succession of follow-on satellites focusing on other science areas in the near future. Our commercial model sets space science satellite provision onto a sustainable path.



**Name:** borwell  
**Size:** SME  
**Location:** Malvern Hills Science Park, Malvern, WR14 3SZ, UK  
**Contact:** 01684 377 980

borwell deliver secure software solutions in the following capability areas: Big Data, Visualisation, Integration, Collaboration, Cyber resilience. As a Luciad reseller, we provide geo visualisation for our clients that display massive data sets in 2D or 3D. borwell are expanding all of the above business streams as well as our cybx security operations centre or SOC.



**Name:** CACI Ltd  
**Location:** CACI Ltd, City Point, Temple Gate, Bristol, BS1 6PL  
**Contact:** 0117 403 2200  
07795 802 161  
[www.caci.co.uk](http://www.caci.co.uk)

CACI's Information Intelligence Group helps Government departments use information intelligently to make mission critical decisions and advance the security, sustainability and prosperity of the UK. Our team of security cleared engineers work across the lifecycle providing consultancy, business analysis, systems engineering, architectural design and software delivery services to help our customers derive business benefit from their data.



**Name:** Cardiff University School of Engineering  
**Size:** 2,000  
**Location:** Cardiff  
**Contact:** Richard Leonard  
 Business Interface Manager  
 07768 261398  
 LeonardR4@cardiff.ac.uk

Aerospace is one of our major research areas, with expertise in materials and structures, propulsion and transmission, lightning protection, and airborne systems. Our materials and structures group design lightweight, robust assemblies capable of meeting today's criteria for lower financial and environmental costs. Our electrical engineers investigate the impact of lightning on composite materials and components in our unique Lightning Laboratory. The airborne systems group develop compact, lightweight sensors, actuators and communication systems for fixed wing, rotor and unmanned aircraft. The propulsion and transmission group study combustion processes and emissions, as well as understanding and predicting failure mechanisms.



**Name:** Caribou Digital  
**Size:** 20-25  
**Location:** Bristol/London  
**Contact:** Elise Montano  
 elise@cariboudigital.net

Caribou Digital is a research and delivery consultancy dedicated to building ethical, sustainable digital economies. It supports the UK Space Agency's £150M International Partnerships Programme, which uses space expertise to solve challenges in developing countries, with fund management strategy, monitoring and evaluation and technical assistance.



**Name:** Catena Space Limited  
**Size:** SME (Micro)  
**Location:** Godalming, Surrey  
**Contact:** www.catena-space.com  
 @catenaspace  
 team@catena-space.com

CSL supports your training needs with cost-effective bespoke training. Our expertise includes system modelling, prototype development (in hardware and software), mission analysis, service modelling and access and propulsion design and analysis. Experience has been gained in industrial and academic environments to combine theory content with practical demonstrations and exercises illustrating real examples. We help to deliver results in space technology development with additional expertise in bid writing, evaluation and project management. Immediate future plans are focused on creating HATCH: an online portal for European space research (as part of a consortium funded through H2020) and on creating industry relevant training.



**Name:** Centre for Polar Observation and Modelling (CPOM)  
**Size:** 45  
**Location:** Leeds, Bristol, Reading, London  
**Contact:** a.e.hogg@leeds.ac.uk

The Centre for Polar Observation and Modelling (CPOM) studies processes occurring at polar latitudes that affect Earth's albedo, ocean and atmosphere circulation, and sea level. We develop quantitative satellite observations of land and marine ice fluxes and of polar ocean circulation, and we combine these with theoretical understanding to form new and improved models to explain how Earth's ice, oceans and atmosphere interact. Our data are used to test global climate model predictions in partnership with the Met Office; to inform assessments of global climate change through engagement with the IPCC; and we work closely with space agencies to exploit satellite datasets, particularly CryoSat-2.



**Name:** Cobham RAD Solutions  
**Size:** FTSE250 PLC  
**Location:** Harwell, UK and Colorado Springs, USA  
**Contact:** richard.sharp1@cobham.com

Every satellite is exposed to radiation during launch and in orbit. A thorough assessment of the risks associated with this exposure, backed up by testing where necessary, is the best way to maximise mission lifetime and reliability. Cobham RAD Solutions offers a radiation testing capability unmatched in the UK for assessing the effects of ionising radiation on materials and components for use in the challenging environment of space. We are also the only test house outside the USA with full DLA laboratory suitability for total dose radiation testing (MIL-STD-750/883).



**Name:** CPI Europe Ltd  
**Location:** Surrey, UK  
**Contact:** Joseph Bolton  
01932 268 452

Communications & Power Industries (CPI) develops, manufactures and globally distributes components and subsystems used in the generation, amplification, transmission and reception of microwave and millimeter signals for a wide variety of systems including radar, electronic warfare and communications (satellite and point-to-point) systems for military and commercial applications, specialty products for medical diagnostic imaging and the treatment of cancer, as well as microwave and RF energy generating products for various industrial and scientific pursuits for involvement in accelerator systems.



**Name:** Deep Planet  
**Size:** 1-10  
**Location:** Oxford  
**Contact:** sushma@deeplanet.ai



**Name:** Defence Science and Technology  
 Laboratory  
**Size:** 3,500  
**Location:** Salisbury, Portsmouth, Sevenoaks  
**Contact:** 01980 613 121

Deep Planet ([www.deeplanet.ai](http://www.deeplanet.ai)) develops a multipurpose machine-learning platform based on satellite imagery interpretation and provides solutions for various industries including precision agriculture, water and gas monitoring. Within agriculture, our focus is to predict and improve crop yields by identifying early signs of crop stress using state-of-the-art computer vision technologies.

Dstl ensures that innovative science and technology contribute to the defence and security of the UK. We supply specialist services to the Ministry of Defence (MOD) and wider government. It is one of the principal government organisations dedicated to science and technology in the defence and security field. The Dstl Space programme (one of 24 research programmes) includes of areas of work, including: reducing the size, weight and power required for satellite payloads; working with experimental satellites; exploring protection against space hazards, both natural and man-made; tracking and predicting behaviour of objects in space; testing emerging concepts in space S&T; and providing evidence to decision makers in defence to inform future funding and defence capability requirements.



**Name:** Deimos Imaging  
**Size:** 150  
**Location:** Madrid, Spain  
**Contact:** Steve Wallace, Sales Director Europe,  
[steve.wallace@deimos-imaging.com](mailto:steve.wallace@deimos-imaging.com)

Deimos Imaging is a geo-information company providing exclusive access to earth observation imagery through a unique virtual constellation - including 20 operational satellites with 1m or better resolution. The wide range of information products, services and customisable solutions are based on this unique foundational data offer and all are harmonised in the same environment. Primary markets include, agriculture, maritime, environment, oil and gas and emergency management. This extensive capability will be augmented by Urthedaily, an 8-satellite optical constellation in development that will provide highly cost-effective, daily, coverage of the whole Earth's landmass at 5m with scientific-grade quality data critical to facilitating geo-analytics.



**Name:** Deimos Space UK Ltd  
**Size:** 20  
**Location:** Harwell, UK  
**Contact:** michael.lawrence@deimos-space.com

Area of expertise: Space systems, services and applications including data systems, image processing, machine learning and location-based services. Current Business Applications projects. KORE - a web based precision farming toolbox for agronomists using satellite and drone data. SUMO - a web based tool for planning and monitoring marine operations based on sea conditions and vessel locations. Geoaudio - a tourism application that creates an immersive soundscape experience triggered by user mobile phone location. RetailWatch - a tool to monitor retail performance using car park analysis based on very high resolution satellite data as a proxy for customer footfall. Future plans: Priority Business areas: Agriculture/Environment, Urban Mapping, Coastal monitoring, Technology developments: Deep Learning, SAR/Optical EO data fusion.



**Name:** Denroy Plastics Ltd  
**Size:** SME  
**Location:** Balloo Drive, Bangor, BT19 7QY, Northern Ireland  
**Contact:** +44 (0) 28 9147 4822  
 www.denroy.com  
 Warren Bell  
 w.bell@denroy.com

Denroy Plastics Ltd is a leading supplier of injection-moulded components to the aerospace industry specialising in the manufacture of high grade engineering polymers such as PEEK, Ultem and PPS. Typical components include: Structural Wing Fairings, Cable Management Brackets and Engine Nacelle components. Denroy provides a complete design solution from concept design using 3D CAD modelling and mould flow analysis through to manufacture. Software packages include: CATIA V5, PRO/E Wildfire 3. The company holds accreditation to ISO9001: 2000 and AS9100 from BSI (Cert No FM14106). Denroy holds accreditation from a number of major customers including: BAE SYSTEMS, AIRBUS, Bombardier, Thales.



**Department for International Trade**

**Name:** Department for International Trade  
**Size:** 4,000  
**Location:** Global, represented in every British Embassy & Consulate, and local representatives in every region of UK, HQ 55 Whitehall London  
**Contact:** julian.mann@trade.gsi.gov.uk  
 ian.encke@trade.gsi.gov.uk

DIT offers key support services to UK Industry. Supporting exports from/with the UK and supporting those considering moving to or inward investment into the UK: Global export support network; Export finance (20% UK content), and space focused private venture capital funds; Government financial support (maximum 50%) for set-up or expansion in the UK; Assistance with UK's favorable regulatory environment; Identification of UK government, academic & industrial partners, resources and locations; Favorable tax deals and access to substantial UK government R&D budgets; What you want is not listed? Just ask - we are here to help you help the UK economy.



**Name:** Digital Globe  
**Size:** 6,500 employees, \$3.1Bn Revenue (Maxar Group)  
**Location:** Headquarters: Westminster, Colorado (USA)  
 UK Office: 576-578 Chiswick High Road, London W4 5RP  
**Contact:** Paulo Godinho  
 paulo.godinho@digitalglobe.com

DigitalGlobe is the global leader in commercial high-resolution satellite imagery used by decision makers to better understand our changing planet in order to save lives, resources and time. Sourced from the world's leading constellation, our imagery solutions deliver unmatched coverage and capacity to meet our customers' most demanding mission requirements. Each day customers in defense and intelligence, public safety, civil agencies, map making and analysis, environmental monitoring, oil and gas exploration, infrastructure management, navigation technology, and providers of location-based services depend on DigitalGlobe data, information, technology and expertise to gain actionable insight. DigitalGlobe is a business unit of Maxar Technologies, a U.S. operating company (NYSE: MAXR; TSX: MAXR). For more information visit [www.DigitalGlobe.com](http://www.DigitalGlobe.com).

## DLOptics

**Name:** DLOptics Ltd  
**Size:** 1  
**Location:** Chislehurst, Kent  
**Contact:** dan@dloptics.com  
 01689 824 846

DLOptics Ltd is the one-man company run by Dan Lobb to provide expertise in development of optical instruments, particularly operating in space. Relevant skills include analysis of system requirements - spatial, spectral and radiometric - detailed design of optical systems, tolerance and performance analyses including stray light, and specifications for structure/thermal design and detector interfaces. Dan's extensive background includes design of optics for high-resolution and multispectral imagers and hyperspectral systems. DL plans to continue in space optics, hoping for new challenges and opportunities for innovation.



**Name:** Domen Las Ltd  
**Size:** 1  
**Location:** Beeston, Nottinghamshire  
**Contact:** duncanfyfe@domenlas.com  
 07908 424 977  
<https://linkedin.com/in/duncanfyfe>  
 Website: <https://www.domenlas.com>

Domen Las is a data science consultancy with experience of developing high-level user products from satellite data. We implement data pipelines for the routine creation of science products. We are currently investigating the potential to use data from the Copernicus services to help monitor the health of remote or inaccessible landscapes. By mapping, for example, the encroachment of invasive species or the spread and impact of tree diseases, we aim to support better, targeted, environmental management. In future we are planning to integrate non-satellite sources into our products to provide a more detailed, multifaceted, picture of the landscape.



**Name:** e2E Group Limited  
**Size:** 45  
**Location:** Welwyn garden City and Gateshead  
**Contact:** andrewdavies@e2eservices.co.uk

e2E has been operating in the satellite communications domain since 1999 bringing extensive proven experience backed by a world class development team. We see satellite communications still presenting a barrier-to-entry for many enterprises and our aim is simply to make these communications more affordable to these. We are addressing this from 3 levels in terms of equipment simplification, providing for uninterrupted communications and addressing air time charges by using smaller cheaper platforms. e2E will disrupt the way satellite communications are provided in the future by delivering niches services using smaller platforms thereby opening the market to a much wider audience.



**Name:** Earth-i  
**Size:** 50  
**Location:** Guildford  
**Contact:** www.earthi.space  
info@earthi.co.uk  
Owen.Hawkins@earthi.co.uk  
0333 433 0015

Earth-i is a leading global Earth Observation company, providing very high-resolution satellite imagery and data services for advanced analytics and insights. Earth-i launched VividX2, the first satellite in the new Vivid-i Constellation, in January 2018, to deliver the world's first full-colour high definition video from space. The purpose of the Vivid-i Constellation is to provide a rapid response service delivering very high-resolution full-motion video and still imagery of anywhere on Earth, multiple times of day. The company already supplies high-resolution image data services from the DMC3 and KOMPSAT satellites, and aggregates commercial satellite imaging capacity to assist policy makers and innovators make more effective decisions, fast.



**Name:** Ecometrica  
**Size:** 50-100  
**Location:** Headquarters in Edinburgh, offices in London, Montreal  
**Contact:** mark.cleverley@ecometrica.com

Ecometrica is fast becoming a global leader in downstream space information services. Curating and sharing satellite and other remote sensing data effectively is a growing challenge, for which Ecometrica provides a range of scalable spatial data infrastructure solutions. Ecometrica is project lead for Forests 2020, part of the UK Space Agency's International Partnership Programme. The project will help protect and restore up to 300 million hectares of tropical forests by improving forest monitoring in six partner countries through advanced uses of satellite data.



**Name:** Effective Space Solutions Ltd  
**Size:** Up to 30 personnel spread between UK, US & IL  
**Location:** HQ, London  
**Contact:** Daniel Campbell  
 Daniel.c@effective-space.com  
 Shahida Barick  
 shahida.b@effective-space.com

Pioneering last-mile logistics in space. Deploying and operating a fleet of small SPACE DRONE™ spacecraft that will deliver, position, maintain, monitor and guarantee space assets in orbit and beyond. Phase One rollout is based on an existing solid business case: life-extension services to operators of satellites in GEO via a patent pending universal docking system. Signed several Letters-of-Intent with operators for a life-extension service, aiming to sign agreement with first customer before end of 2017. Bidding for LEO mega constellation and debris removal services with leading players. Secured Seed and Series A funding and now seeking further funding of Series B growth equity and debt/export credit to fund its full-scale development and operations. Securing 'freedom to operate' from UKSA, OFCOM and underwriters.



**Name:** Enterprise Florida inc.  
**Size:** 120  
**Location:** Headquarters in Orlando, Florida and UK & Ireland office: London, UK  
**Contact:** yassin.nahi@eflorida-europe.com  
 +44 (0)2078 220 718  
 www.enterprise-florida.com/uk  
 6th Floor, 36-38 Whitefriars Street, London EC4Y 8BQ, United Kingdom

Enterprise Florida, Inc in London is here to help UK companies setting up or expanding in Florida by providing information, permitting, financial incentives etc. Florida is a hub for the growing commercial space industry, with current and planned major operations for path-breaking companies such as SpaceX, BlueOrigin and OneWeb. Florida's aerospace industry: Rocket launching and landing at the Cape Canaveral Spaceport; Development of navigation and guidance control systems in Orlando and Clearwater; Manufacturing of rocket engines and advanced helicopter systems in West Palm Beach; Significant MRO centres around the state in Miami, Jacksonville, Melbourne, and the Pensacola to Panama-City corridor.



**Name:** Environment Agency  
**Size:** Large  
**Location:** Head Office, Bristol  
**Contact:** john.kupiec@environment-agency.gov.uk

The Environment Agency works to create better places for people and wildlife, and support sustainable development. Within England we're responsible for: regulating major industry and waste; treatment of contaminated land; water quality and resources; inland river, estuary and harbour navigations; fisheries; conservation and ecology. We are also responsible for managing the risk of flooding from main rivers, reservoirs, estuaries and the sea. Earth Observation techniques already support some operational functions (principally flooding) and may offer further opportunities to improve the efficiency and effectiveness of others. We will be interested to discuss any applications that may help us deliver our mission.



**Name:** Environment Systems Ltd  
**Size:** SME  
**Location:** Based in the UK, working throughout the world  
**Contact:** Steve Keyworth  
steve.keyworth@envsys.co.uk  
+44 (0)1970 626 688



**Name:** EnviroSAR Ltd  
**Size:** SME  
**Location:** Manchester  
**Contact:** info@envirosar.com

**Name:** ESA Business Applications  
**Size:** €400M fund  
**Location:** Harwell Campus, UK  
**Contact:** business@esa.int  
business.esa.int



**Name:** Eurisy  
**Size:** 5  
**Location:** Paris  
**Contact:** toby.clark@eurisy.org

Environment Systems is an environmental and agricultural data consultancy. We are trusted providers of evidence and insight to governments and industry across the world. Our consultancy delivers bespoke advice and solutions for land management, monitoring and policy. Our data services <https://data.envsys.co.uk> deliver always-on, accessible data insights from satellite earth observations. For further information please visit [www.envsys.co.uk](http://www.envsys.co.uk) or follow @envsystems.

EnviroSAR is a targeted solution for peat moorland and heathland using radar and other innovative satellite technology to deliver all-weather wildfire burned-area products. Having won the Copernicus Masters Sustainable Living Challenge award in 2016, we have been establishing EnviroSAR as a satellite application start up through 2017. During the coming year we plan to test the Sentinel-1 and TerraSAR-X datasets for post-2015 wildfires in the Peak District National Park, providing the foundation for expanding our product range.

From agriculture to infrastructure, tourism, transport and health, our core industries in Europe are powered by Space. The European Space Agency has a specialist department of innovation consultants who can help you to leverage Space to launch your big idea or expand the horizons of your existing business. ESA Business Applications offers zero-equity funding, an expansive network of partners, project management support with technical and commercial expertise, and a brand association that will be invaluable in raising future rounds of investment. They have invested over €190M in over 300 business applications projects and their portfolio continues to grow.

Eurisy is an association of members comprising mainly space agencies in Europe who have the common aim of promoting the benefits of satellite applications in society. Eurisy collects examples of good practices in many different subject areas, and organises events focussing on specific themes. Our current focus consists of satellite applications for: health and ageing; the Alps; smart cities. Information available at <https://www.eurisy.org>

## fieldfisher

**Name:** Fieldfisher LLP  
**Size:** 1,700+  
**Location:** UK, Europe, Silicon Valley  
**Contact:** john.worthy@fieldfisher.com

Fieldfisher is a leading international law firm with a special focus on space business. Working with space businesses large and small, we support the growth of the business, from corporate set up and financing, through mergers and acquisitions, commercial contracts and regulation, to intellectual property, employment, tax and real estate. As winner of a string of awards, including Law Firm of the Year 2017 and a Global Award for Satellite/Space Transactions 2016, we offer real insight and practical guidance on managing all legal aspects of space business, based on the dynamics of the sector.



**Name:** Flow Drive Energy Ltd  
**Size:** 5  
**Location:** Kidderminster  
**Contact:** Jon Silvester  
 01562 741 866

We have designs for a new propulsion system to get you in to orbit and a propulsion system when you are in space. We are in the process of designing a system that will work with the Bow shock and give users extra protection against solar winds. I am not a space expert we have ideas and the designs that hopefully will work and we would like to connect with people who specialise in this field.

## FORREST CONSULTING

**Name:** Forrest Consulting  
**Size:** 1  
**Location:** Cobham, Surrey  
**Contact:** William Forrest  
 07977 241 423  
 william@wforrest.co.uk

William Forrest is MD of Forrest Consulting, a freelance business advisor/consultant providing support to technology companies, institutions and government in Space, Aerospace and Defence. His science and technology background spans research, engineering, product development, marketing, business plans, strategy, due diligence and M&A, with an outstanding domestic and international track record. Currently undertaking an EGNSS supply chain vulnerability assessment for the EC covering the entire EGNSS supply chains, helping InnovateUK understand the UK PNT testing landscape, tender assessor for the UKSA, S&T advisor to the MoD, and assisting companies grow their business. Plans: supporting business, government departments and Non-Executive Director roles.



**Name:** Fulcrum Maritime Systems Ltd  
**Size:** SME  
**Location:** Essex  
**Contact:** enquiries@fulcrum-maritime.com

Fulcrum Maritime Systems Limited was established in July 2008 to provide services to the maritime sector. Today Fulcrum is part of the global network of the CLS Group, a French owned company based in Toulouse with a global network of subsidiaries. We have a portfolio of services and applications for maritime surveillance, many of which make use of data that is only available through satellite based observation and communications networks, such as LRIT or Sat-AIS. These services are provided to both public sector and private user communities and often result from various international regulations.



**Name:** Future Space  
**Location:** Bristol  
**Contact:** Nuala Foley  
n.foley@oxin.co.uk

Purpose built laboratories and workspace designed to develop the technology of the future of today. We are an Innovation Centre on the University of the West of England campus creating a collaborative community of innovators who can benefit from our specialist on site business support taking them to the next level.



**Name:** Geocento Limited  
**Size:** SME  
**Location:** Harwell, UK  
**Contact:** kim.partington@geocento.com

Geocento offers the ability to provide environmental business intelligence based on aggregated and consolidated imagery from a very wide range of suppliers and sources, providing organisations with the ability to leverage the wide range of available imagery constellations and networks that are available. We sell image-based services into multiple global markets through digital marketing and work with strategic partners to offer high quality value-added services. We save our partners and clients significant cost in sourcing and exploiting imagery as well as bringing in business opportunities from our marketing, with about half of our leads being from inexperienced users of imagery, often in key markets.



**Name:** Geoconomy  
**Size:** Start-up  
**Location:** Surrey  
**Contact:** gthisdell@geoconomy.com  
 geoconomy.com

Geoconomy.com will be a news service for the civil Earth observation community, tracking the use of satellite surveillance data to support large and small businesses, government, regulators and researchers. I'll be writing about technologies, services, business models and funding, with a particular focus on the people developing downstream applications. With the UK's strength in Earth observation, visible in the Harwell technology cluster and other centres.



**Name:** Geoger Ltd  
**Size:** Micro-business  
**Location:** Harwell Campus  
**Contact:** Alastair Graham:  
 a.graham@geoger.co.uk  
 @ajggeoger

Geoger Ltd. is a spatial and environmental data consultancy, specialising in remote sensing, image processing and elements of mapping, as well as environmental and spatial data analysis and project management. We apply scientific methods and commercial standards to data, primarily using open-source software and advocating the inclusion of open data. We provide services to commercial and academic clients with the aim of increasing awareness of remote sensing and open-source. Geoger Ltd also convenes the Rasters Revealed conference. Geoger looks to partner with likeminded individuals and companies to deliver exciting products and services based around raster datasets of all types.



**Name:** GISCOOL  
**Size:** 1  
**Location:** Wiltshire  
**Contact:** Richard Metcalfe  
 richard.metcalfe@gisco2l.com

GISCOOL is focused on capacity building for monitoring natural resources and agriculture using earth observation technologies that allow countries develop their economies in a sustainable way. Monitoring agricultural crops and animal pasture productivity for food security in Mongolia. Natural capital inventory in Ivory Coast and Peru to support sustainable land management and REDD+



**Name:** Glenair UK Ltd  
**Size:** 600 (UK based)  
**Location:** Harwell, ESA-BIC  
**Contact:** Simon Breese  
 marketing@grounddata.co.uk  
 07999 444 193

Glenair UK Ltd, Mansfield, Nottinghamshire have been supporting industry for over 50 years with advanced interconnect solutions. These include; Nano and Micro D connectors built to ESA, NASA & commercial space flight standards; Next generation Rectangular and Circular Mil standard interconnect; Cable assemblies; Fibre optic connectors and cable assemblies; Photonics; High speed interconnect solutions; Hermetic and filter interconnect; In-house test laboratory; ISO class 8 cleanroom and Project specific connector and cable harness design.



**Name:** GMV Innovating Solutions Ltd  
**Size:** 10-20  
**Location:** Harwell Innovation Centre, 173 Curie Avenue, Harwell Campus, OX11 0QG Oxfordshire, UK  
**Contact:** Ana Sebastian  
 asebastian@gmv.com  
 Business Development Manager

GMV expertise includes: space segment subsystems (Mission analysis, GNC, robotics, satellite and mission simulators and on-board SW), GNSS (Algorithms, processing, precise positioning, receivers and applications), ground segments (control systems, payload data segment, payload management, flight dynamics, mission planning and stations Monitoring), space applications for different sectors. Business Applications projects: GMV is seeking the use of the satellite technologies and EO and GNSS data in Business sectors such as: Agriculture, Maritime surveillance, Urban management, logistics, emergency response, forest monitoring, health and Energy. GMV is adapting Autonomous and AI space technologies to Oil and Gas, Nuclear and offshore Renewable Energy sectors.



**Name:** GrantTree Ltd  
**Size:** 40  
**Location:** London and Manchester  
**Contact:** William Cooper  
 will@granttree.co.uk  
 02077 488 999  
 www.granttree.co.uk  
 07743 392 791

GrantTree is a team of engineers, scientists and consultants dedicated to helping the UK's most innovative organisations win grant funding. Across all our services, we've raised in excess of £70million for our clients. Alongside writing the highest quality funding applications, we help organisations interested in applying for grant funding to: 1. identify where they can apply; 2. to build suitable consortiums; 3. define winning projects; 4. later, to execute their projects. We are familiar with most business-led innovation funding programmes, including those led by Innovate UK, the EC (H2020 etc.), DASA, ESA and others.



**Name:** Grounddata Limited  
**Size:** Micro SME  
**Location:** Harwell, ESA-BIC  
**Contact:** Simon Breese  
 marketing@grounddata.co.uk  
 07999 444 193

Grounddata produces remote autonomous sensors for agriculture and Earth Observation. For agriculture; Our lead market is potato growers but we can vary the sensors we deploy to address other crops such as sugar beet, other root crops and are working on projects involving crops such as cotton. For Earth Observation; Our rugged remote solar powered sensors are designed to work independently without human intervention. They collect data every 15 minutes and remit it to our cloud-based data warehouse from where it can be used to validate remote observations. For 2018 we are introducing improved reliability, remote management and data integrity features.



**Name:** Harris Geospatial Solutions UK Ltd  
**Size:** Small  
**Location:** Winnersh, Berkshire, UK  
**Contact:** Andrew Iwanoczko  
 +44 (0)1189 641 475  
 +44 (0)7860 929 027  
 andrew.iwanoczko@harris.com

Harris Geospatial Solutions is a subsidiary of Harris Corporation, a global technology leader, providing complete solutions encompassing advanced sensors and payloads, processing systems, and analytics for global situational awareness, space superiority missions, and Earth insights. Whether you are a defence analyst who supplies actionable information to support a mission or a utilities professional who needs to efficiently maintain assets across a system, our data and software solutions give you the confidence and information needed to make better decisions.



**Name:** Harwell Space Cluster  
**Size:** 80 space related organisations employing 800 people  
**Location:** Harwell Campus, Oxfordshire, OX11 0QX  
**Contact:** Joanna Hart  
 Harwell Space Cluster Development Manager  
 Joanna.Hart@stfc.ac.uk  
 +44 (0)1235 446 070  
 +44 (0)7592 120 323

Harwell Campus is home to over £2bn of facilities, including the Diamond Synchrotron managed by STFC and 5,500 employees. There are three Clusters at Harwell Campus: Space, Healthtec and Energytec, promoting interdisciplinary innovation. The Harwell Space Cluster is composed of 80 space organisations employing 800 people, which has been growing at 13% pa for the last two years. Organisations include public sector, inward investors, satellite majors, scale-ups and start-ups helped by business incubators and the Satellite Applications Catapult. If you are looking to partner with space companies or set up a new operation at Harwell, please get in touch.



**Name:** HR Wallingford  
**Size:** 240  
**Location:** Wallingford, Oxfordshire  
**Contact:** d.lumbroso@hrwallingford.com

Areas of expertise: Flood risk management; Early warning systems for floods and droughts; Water resources management including water security and drought planning; Modelling floods and droughts; Modelling rivers and estuaries; Dams and reservoirs; Drainage including Sustainable Drainage Systems; Coastal processes; Ports and harbours. Current relevant projects: Lead of UK Space Agency International Partnership Programme funded project to develop an EO-based dengue early warning system in Vietnam. Space Agency IPP project to produce a Drought and flood mitigation service in Uganda. Responsible for the hydrological modelling. Future plans: To participate in other EO projects related to our areas of expertise.



**Name:** Huduma Ltd  
**Size:** SME  
**Location:** Harwell, Oxfordshire  
**Contact:** Paulette Elliott  
+44 (0)7710 088772  
+44 (0)1235 567325  
info@huduma.co.uk

Huduma Limited is a young and ambitious emerging technologies consultancy based at Harwell Campus in Oxfordshire. For over five years, we are helping businesses and project consortiums to take their innovations to market with sustainable business and services models. We know that in the emerging technologies sector, great ideas don't always translate into commercial successes. That's why we're committed to working collaboratively with our clients to not only deliver outstanding solutions but also commercially-viable products and services. Current projects include developing remotely piloted aircraft systems (RPAS)/commercial drones for intelligent parcel delivery); Internet of Things (IoT); connected and autonomous vehicles (CAV).



**Name:** Huxley Engineering - Space  
**Size:** SME  
**Location:** Bristol  
**Contact:** 01179 388 088

Huxley Space is one of the most well-established space consultancies in Europe. We hold key relationships with leading strategic government space industry professionals, major ESA contractors and thriving start-up and SME businesses; all as passionate about growing the industry as we are! Furthermore we are already embedded in the various segments of the industry; launchers, spacecraft, traditional satellites, nano satellites and cubesats. Our mission: Develop and implement strategies to attract the best space industry professionals from around the globe; Consult on transferable skill-sets in candidate driven areas; To introduce access to our network of both candidates and businesses; Identify methods to break into and maximise the space industry; Give our clients confidence in a recruitment partner that values candidates as much as our clients.

## ICONNECT SPACE® LTD

**Name:** ICONNECT SPACE LTD  
**Size:** SME  
**Location:** Suite 1, 3rd Floor 11-12 St. James's Square,  
 SW1Y 4LB, London, United Kingdom  
**Contact:** Babacar N. SECK

ICONNECT SPACE LTD is an innovative technology company providing mobile communications solutions and cyber-security services to Satellite, Space and Aviation industry. Current business applications are: 1. Mobile communications solutions for fleet of Aircrafts, drones and ground transportation 2. Innovative Satellite based "Internet of thing" applications. Future plans: ICONNECT SPACE LTD is currently developing innovative applications enhancing the future of European Airspaces segregation of unmanned aircrafts and drones. The company also develops a "big data" platform for future risk mitigation and operational services. The mid term approach of the company development plan is to leverage on European Satellite capabilities to offers a "global drone 4D navigation system".

## IMGeospatial

**Name:** Intelligent Modelling Ltd T/A  
 IMGeospatial  
**Size:** 10-30  
**Location:** Burnham  
**Contact:** Gary Gale - CTO  
 gg@imgeospatial.com  
 Ed Halsey - Business Development  
 Manager  
 ehalsey@imgeospatial.com

IMGeospatial provides world class, innovative geospatial analytics to people and business. We have developed unique artificial intelligence algorithms which are capable of autonomously extracting actionable business intelligence from a range of satellite datasets. This intelligence supports critical decision-making in a world where geospatial analytics has become the tool of choice across all business and commercial sectors. Benefits from choosing our cost-efficient range of products include unprecedented accuracy of up to 95%, and resilience-with datasets renewed at either 3, 6 or 12-month cycles. IMGeospatial can provide customers with a genuinely game-changing opportunity to access actionable business intelligence that is available in weeks not months or longer. We identify where change in an Area of Interest (AoI) has occurred, using readily available satellite imagery- thus offering valuable insights to aid critical decision-making. We have customers throughout the UK and United States, demonstrating that there is a requirement for our services across the globe. We satisfy the need for accurate, cost-effective, timely and resilient actionable business intelligence for customers no matter which sector they operate in, or their geographical location.



ROTHAMSTED  
RESEARCH

**Name:** Dr Khalid Mahmood  
**Size:** RTO  
**Location:** North Wyke, Devon  
**Contact:** khalid.mahmood@rothamsted.ac.uk

Impact Lab is a partnership among seven partners from Southwest of England including Exeter University, Plymouth University, Rothamsted Research, Plymouth College of Art, Plymouth Marine Laboratory, the Met Office and Exeter City Futures. The Impact Lab is a response to a growing demand for innovation in Environmental Futures and Big Data. The partners have research expertise and facilities including the Met office super computers, Rothamsted Farm Platform and many other unique assets to attain a competitive advantage by becoming a national centre of excellence for environment-related Big Data analytics. The Impact Lab will be exploiting 'Big Data' working with SMEs. The funding for this project is provided by European Regional Development Fund (ERDF).

## Innovate UK

Knowledge Transfer Network

**Name:** Innovate  
**Size:** SME  
**Location:** London  
**Contact:** Andy Bennett  
andy.bennett@ktn-uk.org

The Knowledge Transfer Network is the UK's innovation network, established by Innovate UK to help to deliver economic growth. We develop and maintain our core innovation network on behalf of Innovate UK, as well as working with other funders to leverage the network and broaden its impact. We connect people to speed up innovation, solve problems and find markets for new ideas. We bring together businesses, entrepreneurs, academics and funders to develop new products, processes and services to create value and benefit society. KTN has network membership of more than 96,000 people across all industries and technologies.



**Name:** Institute for Environmental Analytics  
**Size:** 25  
**Location:** Reading  
**Contact:** c.mckinnon@the-iea.org

The IEA is a world-leading environmental data organisation supporting customers within the energy, food and infrastructure markets to solve environmental challenges using advanced data analytics and machine learning. Our team blends expertise in the natural sciences with the latest developments in computing technology and remote sensing to provide cutting edge insight to drive operational improvement and new revenue streams. We are currently working on a wide range of early stage data-driven applications utilising earth observation including the development of an innovative renewable energy data analytics platform (RE-SAT) as part of the UK Space Agency's IPP Programme.



**Name:** Intelsat Global Sales and Marketing Ltd  
**Size:** UK <100  
**Location:** London  
**Contact:** +44 (0)2030 366 700

Intelsat is the world's leading provider of fixed-satellite services (FSS), delivering high performance connectivity applications for the past 50 years covering more than 99% of the world's populated regions and serves a wide variety of customers in the UK, from large telecommunications carriers and broadcasters to corporate networks and Internet service providers. Intelsat is intending to grow its already strong presence in the UK (we are already a large exporter of satellite services from the UK) engaging with UK Government to build on the Government's commitment to enable broadband for at least 95% of UK residents by 2017 using satellite solutions and meet the Space Growth Partnership growth objectives. Intelsat's exceptionally flexible global network provides critical communications infrastructure in the UK to consumers and businesses enabling them to have access to services critical to their business, daily lives and other services primarily in the C- and Ku-bands within the UK. Citizens feel these benefits in a number of ways, providing them with the connectivity to stay in touch with friends and families and to benefit from the increasingly digital nature of commercial services supporting industrial sectors across the UK, creating jobs and boosting productivity.



**Name:** isardSAT Ltd  
**Size:** SME (4 people in UK office)  
**Location:** Surrey Research Park in Guildford  
**Contact:** Dr. Chandra Amber Taposeea chandra.  
 taposeea@isardSAT.co.uk 01483685584

isardSAT is an R&D enterprise providing services and solutions in the Earth Observation field. We carry out scientific and technological projects, specialising in altimetry, passive microwaves and SAR imaging. We develop on-board and on-ground algorithms to process microwave instruments data, and studies for scientific applications with Earth Observation instruments data. Our innovative services using Earth Observation data include better air quality forecast and modelling, climate change adaptation and mitigation, forecasting locust swarms' locations in Northern Africa, and also the calibration of ESA's CryoSat. Our future plans include expanding our reach in the UK space sector with meaningful and impactful projects.



**Name:** iTrinegy  
**Size:** SMB  
**Location:** Welwyn Garden City, Herts. AL7 1HL, UK  
**Contact:** +44 (0)1799 252 200  
 info@itrinegy.com  
 www.itrinegy.com

Organisations using Satcoms are always concerned about how "Satellite Effects", especially latency, will affect their applications. iTrinegy's Network Emulators provide an easy method to create "Virtual Test Networks" in which to "verify" these satellite effects: latency, congestion, packet loss, rainfade etc. Unlike the real network, these environments are realistic, controllable and repeatable: You can easily mimic VSAT, GEO, MEO and LEO satcoms including their ground segments, and simply try out the benefits of different accelerators and compression tools - all without the need for satellites, dishes or modems (terminals). Certainty of success in the Live satellite testing phase becomes assured, leading to large cost savings.

# JALLCO

**Name:** JALLCO Ltd  
**Size:** <10  
**Location:** Cambridge, UK  
**Contact:** john@jallco.com  
07508 085 075  
<https://sites.google.com/jallco.com/geospatialexpertise>

JALLCO Ltd is a specialist Geospatial sales, marketing and business development consultancy, set up in 2014 to provide short and medium term support to organisations around the world who need help in building, expanding or simply growing their business. To date, it's focus has been on working with start-ups in the Geospatial, Surveillance and Location Based Services markets who are involved in GIS, BIM, Big Data, IOT and Small Sats. Product Strategy and Brand Review; Market Positioning and Marketing Communications Planning; Creation of Go To Market Strategies and Demand Generation Marketing Programs; Sales Process and Strategy Implementation; CRM Definition & Implementation.

# K2

**Name:** K2 IP Ltd  
**Size:** 30  
**Location:** UK wide, London  
**Contact:** Adam.brocklehurst@k2ip.com  
+44 (0)20 7329 8888

K2 IP is an intellectual property services company handling every aspect of IP management and protection. . Our patent attorneys, trade mark attorneys and other IP professionals have a unique blend of in-house and private-practice backgrounds. We have a number of clients in the space, aerospace and defence sectors, and our attorneys speak on IP at sector events such as UK Space Conference and the Satellite Finance Network Conference. Business applications: one client is a large, well known UK satellite applications innovation and development company; numerous applications projects ongoing Future plans: help more businesses in the UK space sector.

# kx

**Name:** kx  
**Size:** 2,000  
**Location:** Global, HQ in Northern Ireland  
**Contact:** Shannon Jones, First Derivatives  
07716 293 271  
sjones@kx.com

First Derivatives plc, is a global technology provider with 20 years of experience working with mission critical systems. The Group's Kx technology (kdb+) is a leader in high-performance, in-memory computing, streaming analytics and operational intelligence. Within Kx for Space we work with NASA FDL and have a global partnership with Airbus and ESA. The Kx Technology Fund is now investing in Space Startups and SME's, with a need for Kx Technology, enabling them to fast track their business with reduced risk. The Fund is a strategic investor, providing seed and growth finance (£250k - £5m+) and business support to early stage companies.



**Name:** Kx Systems  
**Size:** 30  
**Location:** Newry, Northern Ireland  
**Contact:** 00442830252242

Kx for Space. Kx sets the standard for in-memory time series database technology. Kx Technology is a uniquely integrated software platform, an in-memory time-series database for processing streaming, real-time and historical data. Kx seeks to address 'Big Data' challenges within the space sector and has recently announced engagements with Airbus and the European Space Agency. The Kx Technology Fund, supports entrepreneurs who are seeking to build disruptive domain specific solutions. Businesses are encouraged to bring their ideas to market quickly through leveraging software that sets the standard in in-memory, time-series technology.



**Name:** Livewire Digital Ltd  
**Size:** SME  
**Location:** Leatherhead  
**Contact:** Sonja Wood  
 +44 (0)1372 385 064

With over 25 years experience in implementing communications protocols, Livewire Digital has designed RazorLink® Smart Networking technology, meeting the 5G objective of a seamless transition between satellite and terrestrial services. Phase 3 developments of Smart Networking form part of a contract with the European Space Agency and will realise a Cloud/SaaS model. RazorLink® is transparent cross platform, Software Defined Networking which provides IP Mobility, Bonding, Acceleration and Prioritisation. Razorlink® is deployed with some high profile customers including the Volvo Ocean Race, UK MOD and Reuters. Livewire Digital would welcome discussions with Service Providers, Systems Integrators and OEM.



**Name:** London Economics  
**Size:** SME  
**Location:** Somerset House, Strand, London, WC2R 1LA  
**Contact:** Greg Sadlier  
 Divisional Director, Space  
 02037 017 707  
 gsadlier@londoneconomics.co.uk

Experts in the economics of space. We're a leading independent economics and policy consultancy with a dedicated team of economists specialised in the space sector. Since 2008, we have pioneered innovative analytical techniques to provide trusted economic advice to decision-makers across the space industry, space agencies (UK Space Agency, GSA, ESA) and international governments. We offer expertise in: market quantification; business cases; value-for-money; cost-benefit analysis; evaluation. Recent publications: Size & Health of the UK Space Industry; Economic impact on the UK of a disruption to GNSS; GNSS Market Report; Case for Space; Nanosatellite Telecommunications: A Market Study for Machine-to-Machine Applications.



**Name:** MapLarge  
**Size:** 40  
**Location:** UK, USA  
**Contact:** adam.etches@maplarge.com

MapLarge delivers access to the value trapped in Big Data and provides faster insights with lower risk to enhance business decisions. The MapLarge platform improves time-to-value by enabling the real-time analysis and visualization of geospatial Big Data to help you see the complete picture. MapLarge empowers analysts to discover the unknown unknowns at the speed of thought, starting with entire ecosystems of data with billions of rows, allowing them to iteratively pare the data down to discover the “needle in the haystack.” The platform provides a new view of data that helps improve decision-making, planning, and collaboration across the enterprise.

## Marshall

**Name:** Marshall Aerospace and Defence Group  
**Size:** 1,700  
**Location:** Cambridge, Kirkbymoorside  
**Contact:** The Airport, Cambridge, CB5 8RY  
+44 (0)1223 373 737

Marshall Aerospace and Defence Group is one of the largest privately owned and independent aerospace and defence companies that delivers innovation and excellence in engineering and support solutions in the air, on land and at sea. Our comprehensive in-house capabilities include engineering design, metallic and composite manufacture and ground and flight test. We specialise in the conversion and modification of military and commercial aircraft and land vehicles, as well as the design and manufacture of ground station shelter and advanced composites.

**Name:** Massterra Ltd.  
**Size:** 2  
**Location:** 20 Widgate Street, London, E1 7HP  
**Contact:** iain.meek@massterra.com

We currently offer our Equinox sounding rocket to take up to 4kg to 110km with 4 min total flight time as part of an economic production run costing of £120,000 ex factory. There have been 7 successful launches since 1998. We are working to raise £2m for our MINSAT-2000 orbital launcher to take up to 20kg to Low Earth Orbit at a target cost of £600,000 (2017 price) ex factory by 2021. We have no current Business Applications projects.



**Name:** Moniteye  
**Size:** SME  
**Location:** Oakham, Rutland  
**Contact:** Mr G Phipps  
 Mr A Keal  
 78 High Street, Oakham, Rutland  
 LE15 6AS

Moniteye are a remote sensing business that works in a number of varied sectors including Subsidence Insurance, infrastructure assets and historical buildings / structures ([www.moniteye.co.uk](http://www.moniteye.co.uk)). A number of years we became aware of the ARTES 20 program, as we could see the potential benefit of using InSar data to monitor ground movement. In fact, we are currently leading a demonstration project to assess movement in London (PLIMM) and are also involved in a number of other ESA demo projects (GIRP and LIVELAND). We are now actively looking at exploiting the work done in the ESA projects and looking for expanding opportunities across the UK, Europe and beyond. As we are currently working in the US, we would specifically like to explore opportunities / collaborations and understand what assistance the UK Space Agency and others can provide to help us expand.



**Name:** Mutualfruit Ltd  
**Size:** Micro-Enterprise  
**Location:** London  
**Contact:** Michael Rivers  
 Managing Partner  
 +44 (0)7768 747 447  
 mrivers@mutualfruit.com

Mutualfruit has deep experience in end-to-end innovation management, with specialised capability in strategic marketing, roadmapping, IP management, portfolio management, establishing productive collaborations, project design for impact, and programme management. Engaged in South Africa since 2010, particularly in building and implementing national research, development and innovation strategy and investment plans in ICT, Waste, Water and Energy. Currently working with main SA EO and ICT players to shape and drive SA national initiatives and applications development, including in: Digital Agriculture; Oceans Economy; Disaster and Risk Monitoring; Water Quality; Human Settlements.



**Name:** National Centre for Earth Observation  
**Size:** 100  
**Location:** Various, led by University of Leicester  
**Contact:** Dr Zofia Stott  
 Programme and Impacts Manager  
 zof.stott@nceo.ac.uk

NCEO is a research centre distributed across leading UK universities and research organisations and led by Professor John Remedios at the University of Leicester. With an income of over £12 million per year, including core funding from the Natural Environment Research Council (NERC), we provide the UK with world class expertise in Earth Observation science; data sets and merging techniques; and model evaluation to underpin Earth System research and the UK's international contribution to environmental science. Our scientists work strategically with space agencies, play significant roles in mission planning, and generate internationally-recognised data products from satellite instruments. Our scientists publish more than 200 research articles every year and contribute to major environmental science reports.



**Name:** National Composites Centre (NCC)  
**Size:** 300  
**Location:** Feynman Way Central, Bristol & Bath Science Park, Emersons Green, Bristol, BS16 7FS  
**Contact:** enquiries@nccuk.com  
0117 3707 621

The NCC provides engineering expertise in Composite Materials such as thermoset, thermoplastic and ceramics through our people, equipment and facilities. Our services range from research and development to bespoke training courses and business networking. Our team have extensive multi-disciplinary and cross sector experience in design, simulation and analysis; materials research, process development and optimisation, robotics, tooling and testing. Our specialist competencies include hand-layup, robotic fibre placement, liquid composite moulding, material deposition, forming methodology, press manufacturing and out-of-autoclave technologies. These capabilities are all supported by an extensive Verification and Validation offering from Metrology, Non-destructive testing and a fully equipped materials laboratory.



**Name:** Natural Environment Research Council (NERC)  
**Size:** 87  
**Location:** Swindon  
**Contact:** a.e.hogg@leeds.ac.uk

NERC's remit includes terrestrial, marine, freshwater, science-based archaeology, atmospheric and polar sciences, and Earth observation. Our scientists study and monitor the physical, chemical and biological processes on which our planet and life itself depends. Working with our partners, we fund strategic research that addresses key societal challenges, helping business, government and society benefit from natural resources, build resilience to environmental hazards and manage environmental change. NERC's discovery science helps us understand how the Earth works, past, present and future. Whether pure, applied or policy-driven, discovery science addresses clearly-defined environmental science questions. Our translation and innovation activities deliver impact and help business, government and society use our science knowledge.



**Name:** Newtec  
**Size:** 400+  
**Location:** Belgium  
**Contact:** jrai@newtec.eu  
+44 (0)7469 218 418  
+44 (0)208 127 0093  
Skype: jagmohan.rai7

Newtec is specialized in designing, developing and manufacturing equipment and technologies for satellite communication. As a pioneer in the industry, Newtec is dedicated to creating new possibilities for broadcast; consumer & enterprise VSAT; government & defense; cellular backhaul & trunking and mobility, offshore & maritime. Since 1985, our dedicated team has set industry standards with the development of the most efficient, scalable and economical technology solutions. New challenges and customer needs offer opportunities to explore new boundaries. This empowers us to work even harder, helping our customers to perform their best so that, together, we can make the world a safer, more informed and connected place.



**Name:** NE Satellite Applications CoE  
**Size:** 3  
**Location:** NETPark, Sedgefield, Durham  
**Contact:** Graeme.miller2@durham.gov.uk  
 07584275949

The Northeast Satellite applications CoE is funded by the Satellite Applications Catapult and the UK Space Agency. We support organisations in the Northeast to develop innovative products and services for the sector. Our aim is to bring societal challenges to our network, form collaborations, develop projects and support innovation. Current projects are focussed around AI and machine learning techniques using satellite data. We also host the UK Space Agency funded 'Space Incubator Programme'.



**Name:** Numa Health  
**Size:** <10  
**Location:** London  
**Contact:** 07572 425 026  
 anthony@numa.io

Numa is a health technology company, we provide a healthcare application suite which empowers patients and allows healthcare professionals and health systems to better manage patient and population level health. Future plans: Expansion across EU and EMEA region.



**Name:** Oasis Loss Modelling Framework Ltd  
**Size:** 0-15  
**Location:** London  
**Contact:** Community Manager  
 Julia.arevalo@Oasislmf.org  
 info@oasislmf.org  
 www.oasislmf.org

Oasis Loss Modelling Framework (Oasis LMF) is a not-for-profit company founded in 2012 to open up the world of catastrophe modelling. It is collectively owned by close to 40 of the world's leading (re) insurers, brokers and financial institutions. Together with an Associate Member community of over 100 companies and academics it forms a widespread community of organisations dedicated to improving exposure management and catastrophe risk modelling. We provide open source software and work to encourage a vibrant community and stimulate innovation. Oasis software, code and full documentation is available via GitHub, enabling active engagement with a broad community of users.



**Name:** Olsen Actuation UK Ltd  
**Size:** SME  
**Location:** Daresbury  
**Contact:** Piers C. Olsen

We supply advanced electric servo linear and rotary actuators Mil Spec COTS which can be used for thruster vector control, rocket nozzle control, fuel control, stabiliser deployment and landing mechanism. We also offer motion control servo drive electronics and software solution for accurate control of movement to 2µm. We are working with Space Systems Engineering LLC, Skyrora Ltd, Reaction Engines, Airborne Engineering, BAE Systems, Rolls Royce, Babcock. We would like to grow our business in this sector and produce more solutions in the UK for UK companies.



**Name:** Open Geospatial Consortium  
**Size:** Membership 500+ organisations  
**Location:** Worldwide  
**Contact:** Denise McKenzie, Executive Director,  
Communication & Outreach,  
dmckenzie@opengeospatial.org,  
07581118189

The OGC® is an international consortium of more than 500 companies, government agencies, research organizations, and universities participating in a consensus process to develop publicly available geospatial standards. For more than 20 years OGC Standards have supported globally, interoperable solutions that "geo-enable" the Web, wireless and location-based services, and mainstream IT. These open standards empower technology developers to make geospatial information and services accessible and useful with any application that needs to be geospatially enabled. Visit the OGC website at <http://www.opengeospatial.org>



**Name:** Optocap (a company of Alter Technology Group)  
**Size:** 40  
**Location:** Livingston, UK  
**Contact:** matt.booker@optocap.com  
01506 403 550

Optocap is a technology oriented company active in the field of assembly / packaging of Optoelectronics, Microelectronics and MEMS. Services include wafer saw, wire bonding, die bonding, optical fiber alignment and hermetic sealing. A full design service is available for custom packages, with experience including hermetic packages, precision optical benches, heat spreaders, sub-mounts and high-power laser coupling. Optocap have recently installed an ISO7 clean-room to support the full project lifecycle, from prototype units to automated production of Flight Model / production parts. Alter Technology Group can also perform full device screening and qualification, including electrical, environmental, mechanical and radiation tests.



**Name:** Orange Tree Partnership Limited  
**Size:** Micro SME  
**Location:** Guildford  
**Contact:** 07909 902116,  
 victoria.christmas@orangetreeltd.com

Company area of expertise: Providing advice and guidance on proposals, bidding and their associated process.



**Name:** OR3D  
**Size:** 5-10  
**Location:** Bristol and Chirk  
**Contact:** Bristol@or3d.co.uk

OR3D provide 3D scanning services for reverse engineering, inspection, design and virtual reality workflows. We specialise in combining cutting edge technology with advanced software to deliver accurate and useable 3D models. Our techniques include industrial CT and X-ray scanning, laser based metrology and infrared projection techniques that bring high accuracy and repeatable measurements to the shop floor. Currently developing a complete dent inspection and monitoring solution for the aerospace and automotive industries advancing the standard procedures during the maintenance, repair and operations schedule. Continuously striving to push the boundaries of technology, bringing high-end metrology solutions coupled with added sensory functionality.



**Name:** Oxford Space Systems  
**Size:** 22  
**Location:** Harwell Space Cluster  
**Contact:** Shefali Sharma  
 Business Development  
 s.sharma@oxford.space  
 www.oxford.space

Venture capital backed Oxford Space Systems (OSS) designs and supplies a range of unique deployable antennas & structures for the global satellite industry. These are based on proprietary materials such as its flight-proven AstroTube™ flexible composite and offer customers products that are lighter, lower cost and more stowage efficient than legacy products. OSS is under contract with a well-known US satellite builder to produce a novel deployable Synthetic Aperture Radar (SAR) antenna for a forthcoming earth observation constellation. This will produce asset tracking & identification at a resolution not before seen with the cost disruptive platform being employed.



**Name:** Ordnance Survey  
**Size:** 1,500  
**Location:** Head Office - Southampton  
**Contact:** James.norris@os.uk

Ordnance Survey is Great Britain's mapping service for government, business and citizens, delivering geospatial data to support the national interest. With our partners, we provide expertise and accurate location data and services to help create a resilient nation, ready for next-generation technology. Remote Sensing underpins Ordnance Survey's operational business, with an active R&D programme to exploit new technology developments in optical sensors and GNSS. Recent activity includes: Support to UK-GEOS (full time secondment); SSGP funded pilot project: assessment of coastal erosion monitoring from EO sources. An OS led (Defra funded) study with EA, SEPA/ Dynamic Coast and SAC. EODIP M106 streaming lining RPA's land change detection to improve control efficiency: An OS led (Defra funded) study with SAC to examine EO suitability to detect features appropriate to RPA processes. Group on Earth Observation (GEO) secondment: Representing UK in development of GEO Disaster Risk Reduction programme. Further integration of EO data to core work-flows. Seeking partners to develop international opportunities supporting our National Mapping Agencies develop their capabilities (via Ordnance Survey International).



**Name:** Pembrey West Wales Airport Ltd  
**Location:** Pembrey, Carmarthenshire, SA16 0HZ  
**Contact:** Winston Thomas MBE

Pembrey Airport Unique Features. The only airport in Wales on the main railway line to London Paddington. The only airport in the Country with 4000 acres of development land. The only airport with 7 Miles of beach, and in a Micro Climate, therefore does not have snow problems during the winter. One of only three airports in the United Kingdom that can provide Rotas Running refuelling 24/7. The airport is ideal situated for MRO Maintenance Repair and Overhaul for large aircraft which can provide training facilities with the local College's. For the last seventeen years Pembrey Airport has been providing refuelling and logistics 24/7 for the following:- Police, Air Ambulance, Ministry of Defence, including the French, German, and the United States Air Force's. Western Power, Forestry Commission, the airport is also an approved contractor to the Ministry of Defence.

## Pixalytics

**Name:** Pixalytics Ltd  
**Size:** Micro-SME  
**Location:** Plymouth, UK  
**Contact:** slavender@pixalytics.com  
ALavender@pixalytics.com

Pixalytics is a trusted independent Earth Observation (EO) consultancy, combining cutting edge scientific knowledge with data to provide answers to questions about our planet's resources and behaviour. Our services include scientific consultancy, training, research and development services covering both marine and terrestrial remote sensing alongside geospatial analysis. We also offer some unique EO products through our Pixalytics Portal ([www.pixalytics.space](http://www.pixalytics.space)) including maps and point extractions for Landcover, Inland Water & Floodwater Extent, Coastal Turbidity, and Oceanic Water Quality with additional products in development. As a growing company we're focussed on increasing our sales & exports through expanding our product offering.



**Name:** Power Market  
**Size:** 1-5  
**Location:** Oxford  
**Contact:** +44 (0)7460 092 929

PowerMarket, a product of SunReign Ltd, is a spin-out of Oxford University and European Space Agency. PowerMarket uses downstream satellite data and advanced AI for solar mapping applications. Its current products are: Targeted solar marketing and customer acquisition solution; Existing solar installation mapping and impact forecasting. Geared towards solar companies, utilities and transmission companies looking to actively participate in smart-energy and smart-grid sectors. PowerMarket is aimed as a centralised, digital solution to facilitate sales, finance and maintenance of solar projects, globally.



**Name:** Precision Decisions

Precision Decisions is agricultural services company focused on making technology and data available to farmers' and growers' to improve their decision making concerning field variability. The company measures soil variability as well as crop variability and depicts this in an online mapping portal MiFarm®. Satellite imagery is integrated into the platform to give the farmer the optimal visibility to his field variability leading to increased productivity and profitability. We would be interested in networking with others in adjacent industries especially focused on precision agriculture and robotics supported by satellite imagery.



pcbs.space

**Name:** Printech Circuit Laboratories Ltd  
**Size:** SME  
**Location:** Chelmsford Essex  
**Contact:** Nick Howland sales@pcbs.space

Over the last 5 years we have been developing our business in the space sector. Last year our turnover was £3.5M and 31% was for product used in space flight. Our current and future plan is to design, manufacture and test flat panel antennas for use in the space sector, either flight or ground based and demonstrate the lower weight and lower cost that these antennas can deliver.



**Name:** Quarry One Eleven  
**Size:** 1-5  
**Location:** Guildford, Surrey  
**Contact:** alistair@quarry-one-eleven.com

Marketing is often an overlooked discipline in scientific companies but as this industry becomes ever more crowded, the presentation of an organisation's products and ideas will be crucial to the success or failure of those companies. Quarry One Eleven provides a unique combination of space-industry knowledge and expert marketing services to promote our clients' work above the noise of the competition. The networking event will give us an opportunity to explain this importance face-to-face with space-based companies.



**Name:** Centre for Wireless Innovation, Queen's University Belfast  
**Size:** 65  
**Location:** Belfast, Northern Ireland  
**Contact:** Norbert Sagnard  
Business Development Manager  
n.sagnard@qub.ac.uk  
07884 187 727  
www.ecit.qub.ac.uk/CWI

Our scientists have world-leading expertise in Frequency-Selective Surface used in EO space programmes, leading to three-fold improvements in receiver sensitivity in all observing channels. This technology provides the core element of the MetOp radiometer instrumentation needed for accurate global weather and climate change forecasts, while taking less footprint and weight of the satellite payload (cost saving). We also focus on retrodirective self-steering antennas, displaying a significant increase in the beam-steering range and able to automatically return a signal back in the direction it came from; they can be used as a transceiver in L-band and Ka-band to further improve communications with satellites.



**Name:** RG Product  
**Size:** 2-10  
**Location:** West London/UK for global consult.  
**Contact:** Richard Grant  
+44 (0)7802 987 147  
rgproduct@hotmail.com



**Name:** RicklerX  
**Size:** 2  
**Location:** Old Street, London  
**Contact:** Lee Rickler  
info@ricklerx.com

RicklerX is a to-the-point company that works with companies in the private space arena marketing their message to the masses by looking at what they're currently doing and what they need to be doing to help maximise their online presence.



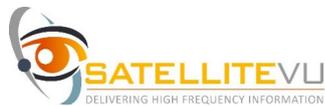
**Name:** Remote Sensing Applications Consultants Ltd  
**Size:** SME  
**Location:** Alresford, Hampshire  
**Contact:** Mike Wooding  
Managing Director  
mikew@rsacl.co.uk

RSAC Ltd was established in 1986 and specialises in agricultural and forestry applications of remote sensing. The company focusses on research and operational applications of SAR and optical satellite data. Current projects: CEH Land Cover® plus Crops, an annual crop map of GB. Remote sensing control of agricultural subsidies. Crop monitoring products for precision farming. Land use and deforestation mapping in Peru and Ivory Coast (UK Space Agency IPPs). Monitoring agricultural productivity and climatic adaptations in Mongolia. Technical support to ESA programmes.



**Name:** The Satellite Applications Catapult  
**Size:** 120+  
**Location:** Electron Building, Harwell Campus, Didcot  
**Contact:** +44 (0) 1235 567 999  
 sa.catapult.org.uk  
 info@sa.catapult.org.uk

The Satellite Applications Catapult is an independent innovation and technology company, created to foster growth across the economy through the exploitation of space. Over the past five years, we have engaged 1,000 companies, over two thirds of which were SMEs, helping them make use of and benefit from satellite technologies. We offer world-class facilities and expertise that enable the best businesses, researchers and end-users to work together to develop new satellite-based applications, translating ideas from concept to market. We are one of a network of Catapults established by Innovate UK to accelerate the take-up of emerging technologies and drive economic growth.



**Name:** Satellite Vu  
**Size:** <5  
**Location:** London  
**Contact:** Anthony Baker  
 anthony@satellitevu.com

Satellite Vu intends to provide near real time insights into the pattern of life using high resolution high frequency earth observation data. We intend to provide 24/7 monitoring of dynamic events on earth on an hourly basis day & night. We will apply our technology to tracking pollution, forest fires, maritime surveillance, border security, economic activity assessment including commodities tracking and competitive analysis. Our current project is optimising our global delivery platform to provide a low latency user experience from tasking to information delivery. We are open to discuss collaborative projects to index the globe in real time.



**Name:** SCISYS  
**Size:** 500+  
**Location:** Methuen Park, Chippenham, SN14 0GB  
**Contact:** Frauke Diehl  
 Business Development Manager  
 +44 (0)1179 165 220  
 +44 (0)7900 167 083  
 frauke.diehl@scisys.co.uk  
 www.scisys.co.uk

SCISYS is a leading supplier of solutions to the Space, Defence, Government and Media sectors. The company manages projects which range from mission critical services to consulting, from custom-developed systems to manpower services. The continuing 35 year-long involvement in the upstream activities of Earth Observation (EO) missions, including data handling systems, has enabled the company to have a holistic view when undertaking downstream EO projects and this is an area of anticipated growth. In addition the SCISYS group develops information and communications technology services, artificial intelligence and autonomy, machine learning, web and mobile applications, e-business and editorial newsroom technology solutions.



**Name:** SenSat Surveying Ltd  
**Size:** 15 FTE  
**Location:** 5th floor, 1 Fore Street, London, EC2Y 9DT  
**Contact:** romain.kirchhoff@sensat.co.uk  
07508 126 237  
james.dean@sensat.co.uk  
07454 618 296

SenSat is digitising the world. We started as a drone service provider, gaining several exemptions through being the only UK Company able to fly BVLOS, over live highways and cities. Then developing a data aggregator platform called Mapp - used to visualise point cloud data; integrate other data (CAD / LiDAR); integrate IoT sensors data; collaborate with key stakeholders; and much more. Our focus is smart highway. Thanks to our 3D model the planning phase can be reduced from 6-9 months to 1 day. Also delivering topographical survey along with CAD designs to construction sites, reducing surveying costs by 90% while improving the safety and quality. We plan to build an artificial intelligence behind our Mapp and the data aggregates within the model in order to predict: pollution, weather conditions, emergency response, traffic, and more.



**Name:** Seraphim Capital  
**Size:** £100M funds under management  
**Location:** London, NY, Silicon Valley, Paris  
**Contact:** mark@seraphimcapital.co.uk

The £70m Seraphim Space Fund has pioneered a new venture model established to invest in emerging opportunities in the new space market. A number of the world's leading space companies, including the likes of SES, Airbus, Surrey Satellites and Teledyne have invested into the fund to provide them with visibility and access to the disruptors of tomorrow. The fund is focused on series A investment but is happy to engage companies earlier. Many applications get introduced to UK Space Tech Angels or onto the forthcoming Seraphim Space Camp Accelerator which is marketing for its 1st April 2018 cohort.



**Name:** Serco  
**Size:** 50,000  
**Location:** Global  
**Contact:** Rich.campbell@serco.com

Serco specialise in the delivery of essential public services, in defence, transport, justice, immigration, healthcare and other citizen services worldwide. In the Space sector, Serco is a leading provider of services to Europe's space and technology agencies: Serco's experience covers the end-to-end cycle of geospatial information from generation, capture, QA, processing and exploitation with recent additions in Data management and Data Access services; Our current application focus is implementing our Copernicus Data and Information Access Service; With future ambitions to exploit Copernicus Data and Information Access Service platform to enable downstream services and supply chains.



**Name:** Sherwood Observatory  
**Size:** 110 members, 2,000 visitors p.a.  
**Location:** Sutton In Ashfield, Nottinghamshire  
**Contact:** chair@sherwood-observatory.org.uk

Sherwood observatory has delivered on its mission to advance public education in the science of astronomy for over 40 years. Facilities include a 24-inch Newtonian reflector, a radio astronomy suite, numerous scopes and a lecture room. Based in West Nottinghamshire the observatory's robust outreach programme engages with youth organisations and schools across the East Midlands. The observatory also runs night courses, open evenings, telescope training and society talks. The observatory owns a Victorian reservoir and plans to build a state of the art planetarium; a project garnering the interest of over 80 schools and set to significantly increase visitor numbers.

## SHIPINSPACE

**Name:** SHIPINSPACE LTD  
**Size:** 1-6  
**Location:** Witney  
**Contact:** fabrizio.boer@shipinspace.com

SHIPINSPACE is specialized in the following areas: Primary structures of Aerospace Vehicles; System design configuration of complex Aerospace products; Feasibility studies of complex systems; Design of complex mechanical systems; Design of a Suborbital high-capacity manned Vehicle; Design of a own Lunar Base High-Capacity Launcher. The Company can count on highly experienced Aerospace Engineers that can be contracted project aimed. The Company is mainly focused in designing Vehicles using de-coupled structural systems, a technology that given a significant increase in performance while reducing costs.



**Name:** Skyrora Ltd.  
**Size:** SME  
**Location:** Edinburgh & London  
**Contact:** owain.hughes@skyrora.com

Skyrora is on track to become the UK's leading manufacturer of orbital launch vehicles, capable of delivering a world-class service to British and international satellite manufacturers. Using British expertise and products we will ensure that the UK fulfils its target of capturing at least 10% of the global small satellite launch market by 2030. It's been 50 years since the last British rocket launched a satellite into space. At Skyrora we want to change this. Using our technical expertise, knowledge and drive we want to do just that - only this time from British soil.



**Name:** SKYTEK  
**Size:** SME  
**Location:** Harwell  
**Contact:** Dr. Sarah Bourke  
sarah.bourke@skytek.com

Our core technology IPV (International Procedural Viewer), the system on board the International Space Station to assist Astronauts manage complex procedures and processes. IPV is a complete end to end solution from easy authoring, procedure execution, reporting and user management. Key Features include: tablet/mobile solution, complex decision support, multiple digital signatures possible, HoloLens 'handsfree' augmented reality, paperless clean room and full audit trail. IPV is now adapted to assist with complex Assembly, Integration and Testing (AIT) of space assets and is a satellite enabled system that supports Marine Security and Defence situational awareness operations. Organisations of interest: System Integrators; Assembly, Integration and Testing facilities/labs; Defence & Security organisations.



**Name:** Space ConneXions Limited  
**Size:** SME  
**Location:** Harpenden  
**Contact:** enquiries@spaceconnexions.com

Space ConneXions Limited provides support to clients in the space market. We manage Earth observation exploitation projects, specify space data protocols and provide technical support to companies operating in the space and ground segments. We are currently managing Earth Observation projects for BEIS and ESA, including the Sea Surface Temperature (SST) Climate Change Initiative (CCI) and a project to extend and develop a time series of fiducial reference measurements of SST using shipborne radiometers. We are now seeking a collaboration with a university in the UK and/or Ireland to extend our activities by providing services that utilise Earth Observation data.



**Name:** Space Net Ventures  
**Size:** Target fund size: £25m; currently undraising  
**Location:** 29 Lincoln's Inn Fields, London, WC2A 3EG  
**Contact:** claire@spacenetventures.com

Space Net Ventures is a new early stage investment fund focusing on Space 2.0 and targeting enabling technologies in Satellite Applications and the Internet of Things. We are uniquely positioned to take advantage of a very high growth and highly strategic sector for the UK economy, as well as delivering impactful solutions for our current societal challenges and our planet. The fund is principally aimed at corporate and institutional investors; we are engaging with corporates both within and outside the space industry as satellite applications may be found in many verticals (Energy, Finance, Insurance or Agri-tech for examples).

**SPACE PLATFORM TECHNOLOGIES**

**Name:** Space Platform Technologies  
**Size:** 2  
**Location:** London  
**Contact:** Adit Shah  
 adit.shah@spaceplatform.tech

Space Platform Technologies Ltd. (SPTL) is an early stage start-up developing and commercialising technologies for sustainable activities in space. SPTL is currently developing technologies for satellite life extension and end-of-life rapid de-orbit management. The company is currently looking at feasibility of safe and reliable docking mechanisms and associated technologies required for remote docking to small satellites. SPTL future plans include working with satellite manufacturers to provide satellite end-of-life as well as life-extension services to constellation operators.



Earth Observation Consultancy

**Name:** Specto Natura Ltd  
**Size:** SME  
**Location:** Cambridge  
**Contact:** geoffsmith@specto-natura.co.uk

We enable our clients to deliver useful, accurate and reliable environmental information from Earth Observation (EO). We sit between users, service providers delivering EO-based products and technology developers. In this position, we can maximise the benefits to users of EO data which is built on the latest technology, but within a robust and viable context to deliver sustainable results. In operation for 10 years, we have a broad range of clients from the government, private and academic sectors within the UK and across Europe. We have been heavily involved in the Copernicus and many critical land and habitat monitoring projects.



**Name:** Spirent  
**Size:** SME  
**Location:** Paignton  
**Contact:** Steve.Hickling@Spirent.com

Spirent enables innovation and development in global navigation satellite systems (GNSS) and their applications. From the development of new global satellite constellations to positioning and navigation systems for miniature drones, Spirent solutions are working behind the scenes to improve accuracy, reliability and robustness. Spirent's high-integrity simulators have been the cornerstone of test labs for over 30 years, to which we have added solutions including inertial sensor emulation, RF record-and-playback, automation tools, and global services labs. Our expertise can be found across the sector-supporting development of the systems upstream, the applications downstream, and the research that will shape their future.



**Name:** Surface Technology International (STI) Ltd  
**Size:** 600  
**Location:** Poynton (Cheshire)  
**Contact:** 07837 413 412

We are a long established and ambitious antenna, SSPA and RF system manufacturing company based near Manchester, with equipment in use currently with defence and aerospace customers in their land, sea and air systems. Space and space applications in the X and K Bands are another of our particular areas of expertise, as well as the design of satcom systems for a range of users both in the UK and overseas. Future plans for our team of R+D engineers and project managers include working with RF and communications companies that need skilled designers and engineers to help complete their own manufacturing requirements.



**Name:** Surrey Satellite Technology Ltd  
**Size:** 500  
**Location:** Guildford, Surrey  
**Contact:** Adina Gillespie  
Head of Applications  
a.gillespie@sstl.co.uk

Surrey Satellite Technology Ltd (SSTL) is at the forefront of space innovation. We disrupt the conventions of small satellite design, and exploit new technologies, to bring affordable space missions to our global customers. We listen, we advise, we draw on our years of expertise, and then we take a pragmatic approach to bring customers the very best solution. To date SSTL has manufactured and launched 50 satellites to international customers. Through participation at this event SSTL is looking to meet with new applications service providers and other companies for potential partnerships for delivery of the space and applications solutions our international customers seek.



**Name:** Swansea University  
**Size:** 1,285 academic faculty staff and 20,000+ students  
**Location:** Swansea University, Fabian Way, Swansea, SA1 8EN  
**Contact:** 01792 295 514  
engineering@swansea.ac.uk

Swansea University is a research led university that has forged trusted collaborations with industrial partners since its inception under the University of Wales in 1920. Swansea space and aerospace research capabilities cover many aspects of Propulsion System Design, Earth Observation (EO) and Satellite Applications expertise. The areas include, but are not limited to, Rocket Propulsion Systems Design and Testing; Satellite Design; Space Materials; Structural Modelling and Analysis; Computational Fluid Dynamics; Additive Manufacturing; EO for Climate and Weather Forecast; EO Application for Forest Resource Management; Sensor Simulation and Design; Photovoltaic Cell and Module Manufacture; Structural Integrity and Materials Characterisation.



**Name:** TCARTA  
**Size:** 15  
**Location:** Orchard Street, Bristol, BS1 5EH  
**Contact:** Richard Flemmings  
 Operations Director  
 07857 691 407

TCarta ([www.tcarta.com](http://www.tcarta.com)) is a leading global provider of innovative geospatial products and Earth Observation (EO) analysis services. Leveraging a history of providing bathymetry and seafloor mapping data for marine applications, TCarta recently successfully completed an ESA ARTES20 funded Demonstration Project to deliver an online, instant access Satellite Derived Bathymetry service in partnership with DHI and DigitalGlobe (<https://bathymetrics.shop>). TCarta is now expanding into new business sectors. For example, they are commencing an ESA ARTES20 Feasibility Study to develop an air quality modelling service in partnership with Kings College London.



**Name:** Telespazio VEGA UK  
**Size:** 120  
**Location:** 350 Capability Green, Luton, Bedfordshire, LU1 3LU, UK  
**Contact:** [telespazio-vega.com](http://telespazio-vega.com)  
[tom.greig@telespazio.com](mailto:tom.greig@telespazio.com)  
 +44 (0)1582 399 000  
 @TelespazioVEGA

With a pedigree in space technology stretching back 40 years, Telespazio VEGA UK (TVUK) is an experienced consulting, technology, engineering, space operations, systems, applications and service development business. A subsidiary of Telespazio S.p.A, TVUK has built its first class reputation by exploiting technology developments in Earth Observation, Satellite Navigation and Communications, pioneering innovative services in space operations and applications. Recognising the SGP ambition of growing the UK space economy, TVUK is innovating new services and sovereign capabilities including: Exploiting NRT applications (based on the UK national SAR Ground Station); Spaceports (including microgravity services); Ground segment (navigation and EO/climate aspects); Downstream applications.



**Name:** Thales Alenia Space in the UK  
**Size:** 160  
**Location:** Bristol, Harwell and Belfast  
**Contact:** [Jill.hutchinson@thalesaleniaspace.com](mailto:Jill.hutchinson@thalesaleniaspace.com)

Thales Alenia Space in the UK, established in 2014, is a world-leading space systems design, integration and manufacturing company with advanced space engineering facilities in Bristol, Harwell and Belfast. A leader in the design of satellite propulsion systems, satellite subsystems and system design studies, Thales Alenia Space in the UK strongly supports the growth of the UK space supply chain and seeks to collaborate with a range of UK business and research organisations to develop real innovation and contribute to the economic prosperity of the UK. Working with valued partners, such as STFC's RAL Space, Thales Alenia Space in the UK provides the assembly, integration and testing (AIT) of new experimental payloads for both civil and military payloads, whilst advancing its capabilities as a Prime contractor in the UK for major space missions.



**Name:** Freedom Managed Services  
t/a Thorn SDS  
**Size:** 50 people / £2M  
**Location:** Alton, Hampshire, UK  
**Contact:** Howard Farr, Commercial & Business  
Development - HFarr@thornsds.co.uk  
07802 332612  
<https://thornsds.co.uk>

Bespoke managed staffing services for Real-time Operations in Space & Secure Data environments (Scientific, Engineering & Technical); partnering with international & inter-governmental organisations to strengthen their HR Partner Recruitment Support; Psychometric Profiling with combined Behavioural Analysis & Competency Checks; Supporting European Space Agency's European Space Operations Centre with Managed Staffing; HR Business Partner Recruitment Support for EUMETSAT (European Meteorological Satellite) on present and current missions; managing own Security-Cleared contractor staff at QinetiQ; Focus on Business Incubators and rapid growth start-ups in UK and European Space sectors.



**tradeinspace**  
FINANCIALS - TRADING - PRO IN SPACE

**Name:** Trade in Space  
**Size:** Micro SME  
**Location:** Glasgow/Edinburgh, UK  
**Contact:** @trade\_space  
robin@tradeinspace  
07927 769 707

Trade in Space develop satellite-activated smart contracting solutions. We provide the tools to enable satellites to act, in real time, as an autonomous commercial actuary, broker or deal-maker; or from a legal stand-point as trusted regulatory compliance auditors. In our early stages of development, Trade in Space seek product development partners to help us deliver Sentinel-2 derived smart contracts.



**TRE**  
**ALTAMIRA**  
A CLS Group Company

**Name:** TRE ALTAMIRA  
**Size:** 70+ in three countries  
**Location:** Milan, Italy  
**Contact:** Dr Renalt Capes  
ren.capes@tre-altamira.com

TRE ALTAMIRA are the world leaders in satellite radar interferometry (InSAR) for ground and structural motion detection & measurement. Inventors of the Persistent Scatterer InSAR technique. We are currently working in the oil & gas, mining and civil engineering sectors. Mass near-real-time, automated processing of Sentinel-1 data, and production of national-coverage datasets.



**UK Export  
Finance**

**Name:** UK Export Finance  
**Location:** 1 Horse Guards Road, London, SW1A 2HQ  
**Contact:** Peter Maplestone  
Senior Underwriter  
02072 718 157

UK Export Finance is the UK's export credit agency and a government department, working alongside the Department for Internal Trade as an integral part of its strategy and operations. We help UK companies to: win export contracts by providing attractive financing terms to their buyers; fulfil contracts by supporting working capital loans; get paid by insuring against buyer default. We can support exports for any size of company and across all sectors, from capital goods to services and intangibles such as intellectual property.



**Name:** UK Space Agency  
**Size:** 140  
**Location:** Swindon, Harwell, London  
**Contact:** 01793 418 033  
 07803 442 425  
 artes@ukspaceagency.bis.gsi.gov.uk

The UK Space Agency is responsible for all civil space activities to explore and benefit from Space. The business Applications team manages the UK's investment in the ESA Business Applications Programme, leading on national strategy, encouraging efficiency and innovation while providing support and guidance to UK companies seeking to commercially exploit space data and assets. We are growing our business applications ambassador platform to promote the opportunities this programme presents and better support the whole of the UK.



**Name:** UKCloud Limited  
**Size:** SME (186 employees, £43m revenue)  
**Location:** Farnborough, Corsham, London  
**Contact:** David Lawford Mee  
 Sales Director  
 dlawfordmee@ukcloud.com  
 07741 140 651

In 2012 UKCloud designed and built a public cloud service for the exclusive use of UK Public Sector organisations. Central to UKCloud's offering is its UK sovereign status, where compute and storage is done solely within the UK, in two separated regions (Corsham and Farnborough Ark Data Centres). Early success in winning most of the UK Government's digital exemplars was followed by larger contracts in Central Government, Health, Local Government and a growing business in MoD and UK Defence - 220 HMG projects are hosted by UKCloud today. Near future plans include UK sovereign Microsoft Azure platform & Cloud-X (Above Official)



**Name:** UK-GEOS  
**Size:** 10  
**Contact:** Martin.Jones@defra.gsi.gov.uk

Vision: To be the first place to go for data, applications, products and services derived from Earth Observation (EO) and Geospatial data that will add value, drive efficiency and reduce the costs of departmental and public sector activities. Mission: To identify cross government requirements, and then design solutions based on EO and Geospatial based applications and services, and make these data and products easily accessible in order to deliver value to all appropriate business areas.



**Name:** UniKLasers  
**Size:** 12  
**Location:** Edinburgh  
**Contact:** Andy Wells  
 New business development manager  
 andy.wells@uniklasers.com  
 Stephen Lee  
 Chief technical officer  
 Stephen.lee@uniklasers.com

UniKLasers are a manufacturer of single frequency continuous wave DPSS lasers. They are characterised by ultra-narrow and stable linewidths. Covering a wide range of wavelengths, the gain media is optimised to increase efficiency to increase available power and eliminate the need for additional cooling. Their compact and robust design makes them suitable for the harshest of environments. UniKLasers lasers are currently used in a wide range of applications such as interferometry, LIDAR, spectroscopy and quantum technologies, but as a growing company with a long background in laser science, we are always looking for new applications that require something unique.



**Name:** University of Nottingham Innovation Park  
**Size:** 4 FTEs  
**Location:** Nottingham, UK  
**Contact:** Dr Mark Tock  
 +44 (0)7966 994 460  
 mark.tock@nottinham.ac.uk

University of Nottingham Innovation Park (UNIP) Management Limited operates 11,000m2 commercial space enabling tech-driven companies to co-locate with the world-leading research facilities, expertise, and talent of the University of Nottingham. UNIP is one of six DBEIS-supported University Enterprise Zones and one of the first UKSA-supported space incubators. The Park is home to a community of almost 100 companies in sectors allied with the space sector e.g. aerospace, satellite applications, energy, advanced manufacturing, and digital economy. Our Space TEC accelerator will be supporting 2 cohorts of entrepreneurs & early stage companies in 2018 (January and September).



**spaceraystott**

**Name:** SpaceRayStott Ltd  
**Location:** Woking, Surrey, United Kingdom GU22  
**Contact:** 07510 923799  
 spaceraystott@gmail.com

Welcome to spaceraystott, a new & exciting portal for International Space Industry Services. We offer Consultancy, Recruitment, Training & Talks for the Space sector worldwide. [www.spaceraystott.com](http://www.spaceraystott.com)

1. Freelance Consultants With Space Industry Expertise Available Worldwide  
 From large upstream manufacturers in the space segment through to small & medium companies in the launcher, ground segment & commercial downstream markets.
2. Helping Both Clients & Candidates For A Number Of Years  
 By using our extensive global network, we have opened many doors to secure satisfied customers. Recruitment covering both commercial & technical positions in all space industry markets.
3. Providing Training & Talks To Businesses & Organisations  
 Our team of specialist consultants provides bespoke customised training courses to the space industry & talks to any audience worldwide.

## SPACE CLIMATE

**Name:** Space4Climate  
**Size:** 54 members, 1 employee  
**Location:** Reading  
**Contact:** S4C@the-iea.org  
 @Space4Climate  
 www.the-iea.org/space4climate

The Space4Climate group is a public-private-academic partnership. We work collaboratively to support the UK's world-leading climate community to deliver, sustain and make use of climate information from space in a variety of climate services for global economic and societal benefit. We are raising the profile of UK expertise, products and services, facilitating and brokering new market growth opportunities domestically and internationally. To support this, we are developing directories of climate space data ambassadors and UK providers of services familiar with using climate data from space. Across our activities, we support delivery of a seamless supply chain, identifying new requirements and barriers to provision and sustainability, working together to address these.

## UNIVERSITY OF Southampton

**Name:** Astronautics Research Group, University of Southampton, University of Southampton  
**Size:** 7 space engineering academics  
**Location:** Southampton  
**Contact:** c.n.ryan@soton.ac.uk  
 02380 593 881

I'm an academic who is experimentally investigating small and cheap propulsion for small satellites, including cubesats. This includes electro-spray thrusters, hall effect thrusters, and green propellant chemical thrusters. I would be interested in developing the commercialization of my research with interested parties, especially so in the field of cubesat propulsion.

## UNIVERSITY OF SURREY

**Name:** University of Surrey  
**Location:** Guildford, Surrey  
**Contact:** b.marti-cardona@surrey.ac.uk

Numerical hydrological modelling. Use of SAR for mapping flood extent and vegetation status. Thermal and optical satellite data for mapping water bodies, quantification of evaporation and evapotranspiration. Mapping water resources, evaporation and evapotranspiration trends in Peru and Bolivia. Exploring large scale relationship between land use and water resources availability. Improving quantification of vegetation water consumption using satellite data, for catchment scale water balance. Soil moisture sensor implementation. Assessment of SAR data for soil moisture retrieval as an input for rainfall-runoff models and water balance models.



## UNIVERSITY OF LEICESTER

**Name:** The University of Leicester  
**Size:** 3000+  
**Location:** Leicester  
**Contact:** Prof. Kevin Tansey  
 kjt7@le.ac.uk

The University of Leicester has worked in the Space Sector for more than 60 years. At the moment, we are a host with local, regional and national partners, "Space Park Leicester" is being developed to provide: A "£23M" University landmark Space and Earth Observation Innovation facility, incorporating an EO Data Accelerator Facility, aimed at supporting growth in the downstream space market; A low-cost access to space (LOCAS) facility providing Assembly, Integration and Verification (AIV) space and test facilities for high throughput production of constellations of spacecraft and launcher upper stages; A space business incubator for SMEs and other companies. We further host the East Midlands Centre of Excellence in Satellite Applications, a member of the Copernicus Relay network. Leicester Innovation Hub is a dedicated incubation and innovation space (funded by EU and the University), with focus on Earth Observation. Including, pre-incubation support for students, graduate entrepreneurs generating start-ups to grow and accelerate the sector, funded by UK Space Agency. The University hosts the UK's NERC National Centre for Earth Observation (NCEO). Research and Enterprise sits across many academic departments including Physics and Astronomy, Geography, Geology and the Environment, Chemistry, Mathematics and Informatics.



**Name:** Urban Hawk Limited  
**Size:** £100K turnover, <10 employees  
**Location:** 17 British Road, Bristol, BS3 3BS  
**Contact:** robert.sugar@urbanhawk.space  
 02032 397 007  
 07767 859 788

We 3d map, collate, and apply street-level data to help our customers find new business and take care of existing client base. Our ever growing supplier network gives us access to recent satellite captures on a global scale. We can also deploy drones and install or use existing ground sensors on demand. We have the core capability to render, simulate and analyse all data in our real-time software platforms. We are part of the Sea Traffic Management project and the Bristol Smart City initiative. We are focusing on productising our platforms to enable to scale bigger and faster in future.



**Name:** Venn Group  
**Size:** 400  
**Location:** London, Bristol, Reading, Birmingham, Milton Keynes, Manchester, Leeds  
**Contact:** Drew Fackrell  
 01179 308 760  
 dfackrell@venngroup.com

Venn Group are a contract and interim recruitment specialist, with offices UK wide, covering a range of sectors. My team specialises within the Aerospace, Defence & Government sectors. In this highly competitive market we have a specialist team dedicated to the supply of Technology contractors. We have developed a comprehensive database of highly skilled candidates with SC or DV clearance for a variety of technical positions within the Aerospace, Defence and Government industry. We have a deep understanding of specialist roles, developed collectively through two decades of engaging with expert sectors and employers who rightly expect the highest standards.



**Name:** Blue Viasat  
**Size:** 4,500 globally, 60 UK  
**Location:** HQ: Carlsbad, CA, USA. UK: Hampshire  
**Contact:** Neil Fraser  
 neil.fraser@viasat.com  
 07827 893 163

Viasat is a global broadband services and technology company developing the ultimate communications network to power high-quality, secure, affordable, fast connections to impact people’s lives anywhere they are – on the ground, in the air or at sea. ViaSat designed and delivered the world’s highest-capacity communications satellite. We deliver and protect information with our trusted communications systems, ground infrastructure and cyber capabilities. We run the ESA supported Space Hub and encourage innovative project proposals for the rapid development of new High Capacity Satellite products, applications and services.



**Name:** Vita Materials Ltd  
**Size:** 35  
**Location:** Belfast  
**Contact:** mark.gray@vitamaterials.com  
 02890 618 625

Vita Materials Ltd is a manufacturer of Acoustic solutions; Insulation materials; Protective packaging for instrumentation and micro satellites; Air/foam cushion (which moulds to individual occupants body shape).



**Name:** Wavelength Electronics Ltd  
**Size:** 7  
**Location:** Building R104 2/01, Harwell Campus, Harwell, Didcot, Oxfordshire, OX11 0QX  
**Contact:** Jeremy Biggs  
 Sales Director  
 07817 840 578

Wavelength Electronics Ltd are a Manufacturer’s Representative Company who represent a number of US and European Passive Electronics Component Manufacturers who supply Space Qualified Components. Future Plans are to grow this business in the years to come and the first stage of this plan was to take up residence at the Harwell Campus. For more details mouse across to [www.wavelengthelectronics.co.uk](http://www.wavelengthelectronics.co.uk)



Llywodraeth Cymru  
Welsh Government

**Name:** Welsh Government  
**Size:** Approx. 5,000  
**Location:** Wales wide  
**Contact:** Paul.jones4@gov.wales  
sian.jones4@gov.wales

Welsh Government Sectors & Business department provides business support to help develop and grow the economy of Wales, with a particular emphasis on jobs. The department is focussed around 9 priority sectors, including Advanced Materials and Manufacturing and Technology/ICT. Working collaboratively, these sectors are looking to grow the Space sector as an enabler for growth across the economy. This will cover a range of up and down stream expertise including advanced semiconductor and epitaxial products/services, advance NDT and propulsion test and evaluation; and the application of space data to support commercial activity and inform public policy decisions. Contact us now about your project.



**Name:** Withers & Rogers LLP  
**Size:** 180  
**Location:** London, Bristol, Sheffield, Leamington Spa and Munich  
**Contact:** Michael Jaeger  
mjaeger@withersrogers.com

Withers & Rogers is one of Europe's largest dedicated intellectual property law firms, with offices in Bristol, Leamington, London, Munich and Sheffield. Established more than 130 years ago, we remain as passionate as ever about making intellectual property work to our clients' best advantage. Today, our clients include many renowned, innovative organisations from across Europe, North America and Asia. Withers & Rogers has a breadth and depth of experience and expertise that we believe is second to none. In addition to our practice groups, we have a number of specialist groups, enabling us to pool our industry knowledge and bring added value for our clients.



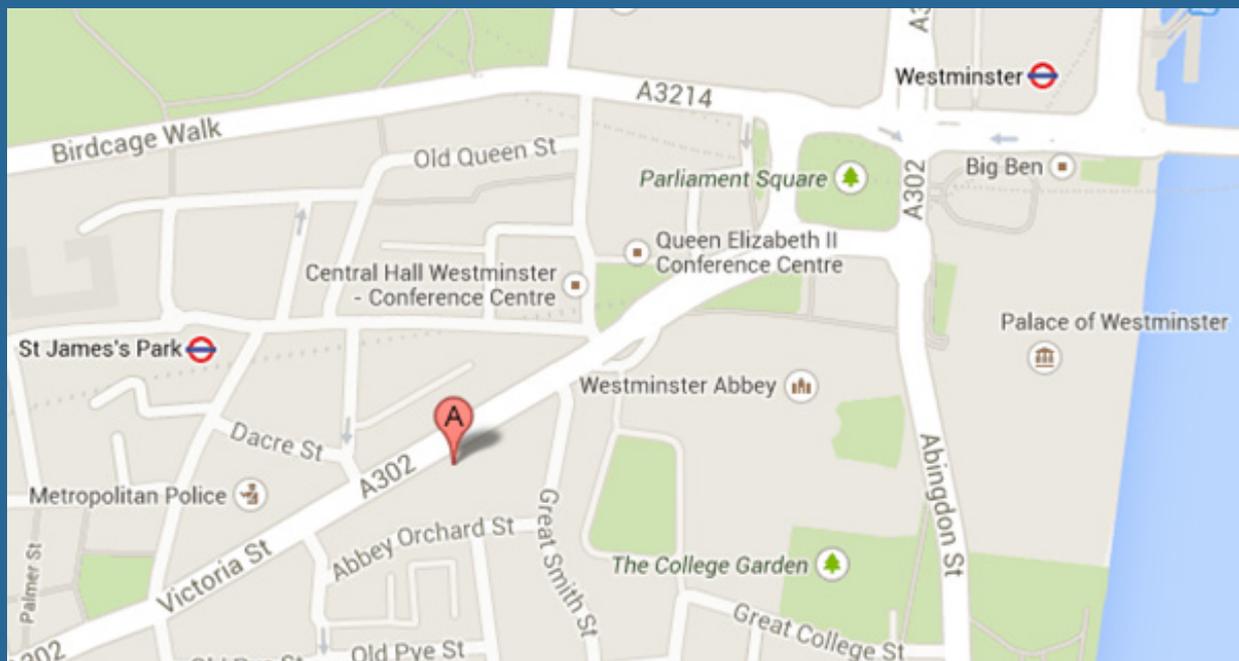
**Name:** Xudu Data  
**Size:** Small  
**Location:** London, UK  
**Contact:** contactus@xudu-data.co.uk

Xudu Data is a consulting organisation that builds and leads Analytics transformation programmes. We identify and deliver tangible business benefits by solving specific business problems using data and analytics. One of our specialisms is providing business analytics using GPS tracking data from satellites to facilitate our clients having an accurate assessment of their customer base.

# NOTES

---

## Local map and directions:



Westminster Conference Centre  
Department for Business, Energy and Industrial Strategy  
1 Victoria Street  
London  
SW1H 0ET

**BUS:** Nos 11, 24, 148, 211 stop right in front of our building. Other bus routes pass nearby. Visit Transport for London for further information.

**UNDERGROUND:** 1 Victoria Street is in walking distance of Victoria, St James' Park and Westminster stations. Check the TFL website to plan your journey.

**RAIL:** Victoria, Waterloo and Charring Cross stations are 10 to 20 minutes away by foot or by tube. Schedules on National Rail website.

**CAR:** Parking is available at sites in Horseferry Road and Abingdon Street.

There is DAG access into the Conference Centre reception. All visitors must wear a security badge issued by the Conference reception. We ask that Government colleagues also use the main reception area when accessing the event.