
THIS IS SPACE. **THIS IS WALES.**

SPACE TECH EXPO EUROPE 2025

Export Market Visit

18-20 November 2025

tradeandinvest.wales





This is Space.
This is Wales.

B2 Space	06
Excelerate Technology Ltd	07
Space Forge	09
Space Wales	10
Teledyne Labtech	11
Teledyne Qioptiq	12
Welsh Government	13



Pierhead, Senedd and
Wales Millennium Centre, Cardiff Bay

Wales is a hotbed for space expertise and home to 80+ companies in the space sector.

This success is due to our excellent track record of delivering high value manufacturing and innovation and includes space and planetary robotics and solar system physics; advance instrumentation, sensors and detectors; structures and advanced materials; propulsion; satellite system and instrumentation design and engineering; and space photovoltaics.

We have a strong foundation of companies and institutions operating in downstream (software & hardware) applications, and a vibrant base of companies working in the upstream (manufacturing) sector specialising in space hardware and systems.

Wales is home to a cluster of pioneering Tier 1 companies including Airbus Defence & Space, QinetiQ, and

QioptiQ – who manufacture over 80% of the global supply of space-qualified glass used in satellites and space vehicles.

Other companies making a significant contribution include Space Forge and Spectrum Technologies.

The opportunities for the Space sector in Wales are many and varied – so let's talk.

B2Space is a leader in stratospheric technology, specialising in High Altitude Pseudo-Satellites (HAPS).



They use the unique advantages of the stratosphere to deliver advanced, cost-effective, and sustainable solutions across diverse sectors, including telecommunications, Earth observation, scientific research, and defence.

B2Space provide to main types of HAPS systems: HABS (High Altitude Balloon System) platforms which are engineered for persistent, long-duration missions, serving as aerial infrastructure that extends traditional satellite and terrestrial networks.

Another core element of their comprehensive stratospheric capabilities are microHABS. While HABS provides long-term aerial presence, microHABS technology offers rapid deployment and versatile payload integration for targeted, shorter-duration operations. Together, these systems address a broad spectrum of mission requirements from persistent surveillance to immediate atmospheric data collection.

B2Space is dedicated to unlocking the full potential of the stratosphere, providing reliable and scalable solutions that empower their partners to achieve their most ambitious objectives.

Product/Service

HABS, HAPS, Micro-Haps, Near Space Testing, Earth Observation, Emergency Response, Defence.

Objectives

To be the trusted engineering partner B2Space aims to support a broad range of mission requirements with its high-altitude balloon systems (HABS) and microHABS. These systems offer solutions for things like enhancing global connectivity, environmental monitoring, critical disaster response, and providing persistent surveillance and data collection.



Valentin Canales
Co-founder, CO-CEO & CTO

+44 (0)7941 041 456
valentin.canales@b2-space.com

<https://b2-space.com/>

Formed in 2001, **Excelerate Technology** is a leading provider of resilient, secure connectivity that empowers critical operations across the emergency services, transport, defence, and infrastructure sectors.



With a strong focus on innovation and integration, the company delivers advanced technologies that enable seamless communications, real-time data access, and intelligent decision-making, in any environment.

Its solutions are trusted by public and private-sector organisations across the UK and internationally, and the company is recognised for expertise in designing and deploying connected platforms that enhance operational efficiency, safety, and situational awareness.

Product/Service

- **Hybrid connectivity & network services** — multi-orbit satellite, 4G/5G, Wi-Fi, fibre, private and non-terrestrial networks with seamless failover and bandwidth aggregation.
- **Integrated technology & projects** — fixed sites, vehicles, on-the-move and rapid-deployment systems, plus specialist fleet and maritime projects.
- **Real-time video & data** — secure streaming (including wearables, UAVs/robotics), sensor integration, and live monitoring for situational awareness.
- **Cyber security & RF threat detection** — drone detection, RF monitoring,

spectrum analysis, and identification of rogue devices/jamming threats.

Objectives

Excelerate aims to embed adaptable technology “at the edge of every application”, enhancing resilience, efficiency, and operational impact where it matters most.



Bethan Evans
Chief Operating Officer

+44 (0)8456 585 747
bethane@excelerate.info

Simon Hill
Chief Technical Officer

+44 (0)8456 585 747
simonh@excelerate.info

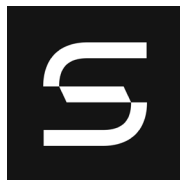
<https://excelerate-group.com>



Growth.

The vibrant capital city of Wales – Cardiff is one of the fastest growing cities in the UK. It is also just two hours on the train from London.

Space Forge is a Cardiff based advanced materials company, established in 2018 by 2 co-founders and is a VC-funded start-up of scale established in the UK, EU and US.



Space Forge is one of the world's first in-space manufacturing companies. Its goal is to exploit the extreme temperature, microgravity and ultra-high vacuum conditions available in low earth orbit to manufacture materials that cannot readily be grown terrestrially. Space Forge's focus is on next generation semiconductor materials to deliver a marked improvement in end device performance by focusing on the production of high quality seeds.

Product/Service

Space Forge produces materials for next generation semiconductors on earth and in space. We provide seeds and substrates for partners in the industry. Space Forge is also developing a microgravity as a service. The ForgeStar platform is capable of supporting a range of microgravity payloads from semiconductor development, through to biotech and pharmaceutical applications.

Objectives

Space Forge is seeking supply chain partners to develop the next generation of the ForgeStar satellite and pilot customers for materials and software products.



Lewis D'Ambra
Director of Communications
and Public Policy

+44 (0)7943 741 609
lewis.dambra@spaceforge.com

<https://www.spaceforge.com/>

Space Wales is the trade association for the Space Sector in Wales, linked closely to parent company Aerospace Wales.



Space Wales work with >100 organisations in Wales that span the wide number of the nations space-related capabilities across industry and academia, including Advanced Materials & Manufacturing, Defence, Earth Observation, Launch & Propulsion, Optics & Photonics and Secure & Resilient Communications.

Following the publication of the Wales Space Strategy 'Wales a Sustainable Space Nation' in partnership with the Welsh Government in 2021, sustainability remains at the core of Space Wales' operations. The organisation actively promotes collaboration to champion the space ecosystem in Wales, across the UK, and internationally.

If you feel your company would benefit from becoming a member of Space Wales, or our parent organisation Aerospace Wales, or you would like to know more about the organisation, please visit our website.



Dr Rosie Cane (She/Her)
Cluster Development Manager

+44 (0)1745 606 110
rosie@spacewales.co.uk

www.spacewales.co.uk

Based in mid-Wales, **Teledyne Labtech** is and continues to be a trusted and approved source for RF/Microwave PCB to the space industry.



Product/Service

Teledyne Labtech is the UK's leading supplier of high-performance PCB. With over 40 years' experience in thermal management, Labtech can offer a comprehensive PCB design, manufacture, assembly & test capability.

Specialising in SWaP applications, Teledyne Labtech manufactures RF/Microwave PCB, Antenna and high speed A2D convertor PCB. These PCB utilise a wide range of materials from Rogers PTFE Teflon materials, through to ceramic based substrates and high performance modified FR4.

Teledyne Labtech and their sister companies, can offer a full range of RF/microwave sub-systems, ranging from receivers, through to complex SSPA and waveguide receiver protector products.

Teledyne Labtech will be showcasing out latest Thermal Management technique using embedded Synthetic Graphite to enable to better heat dissipation which aids in increased reliability resulting in a higher MTBF.

Objectives

To meet with new customers, existing customers and understand current industry trends and technologies.



Ian Reeves
Business Development Manager

+44 (0)7970 509 834
ian.reeves@teledyne.com

www.teledynelabtech.com

With over 50 years of heritage in space optics, **Teledyne Qioptiq®** stands as the world's leading supplier of specialized space-qualified glass, providing more than 80% of the global demand.

Renowned for its expertise in radiation-stable micro-sheet cover glass and optical solar reflectors, the company has earned its position at the forefront of the space industry.

Teledyne Qioptiq® manufactures three proprietary, patented glass types entirely in-house, complemented by advanced performance-enhancing coatings. This enables the delivery of comprehensive solutions—from raw material sourcing to final substrate integration—tailored to meet the rigorous demands of space environments.

Beyond materials, the company offers end-to-end optical system solutions for space applications, spanning initial concept development through to flight-ready hardware. With a distinguished legacy in designing, manufacturing, and testing precision optical systems across the full optical spectrum, Teledyne Qioptiq® leverages a vertically integrated structure to maintain full control over every stage of production. This includes everything from custom optical coatings to high-precision assembly techniques. Currently, the division is supplying critical optical hardware for the Rosalind Franklin Mars Rover, showcasing its capability to deliver total solutions backed by the diverse technological expertise within the broader Teledyne network.

Product/Service

- Coverglass for solar cells
- Optical solar reflectors
- Optical solutions for space applications

Objectives

- Face to face meeting with customers
- Gather market intelligence on industry demands



Jilly Knox-Shoosmith
Space Glass Technologist

+44 (0)1745 589 810
jilly.knox-shoosmith@teledyne.com

Matthew Lynam
Head of Key Accounts Space

+44 (0)1745 589 823
matthew.lynam@teledyne.com

<https://www.teledyne-ade.com/companies/qioptiq>



Since 2010, Space has proven to be one of the UK's fastest growing sectors, trebling in size. The global space economy grew by 6.7% on average per year between 2005 and 2017, almost twice the average yearly growth of the global economy of 3.5%.

Wales is on a mission to support the UK's goal of securing 10% of the space market forecast to be worth £400 billion by 2030 and the Wales Space Strategy provides the framework to support the growth of the sector in Wales. The combination of industry, academic and test infrastructure expertise creates an innovative space ecosystem in Wales that can support the growth of the UK space industry.

Wales offers a unique physical and business environment to companies in the space economy, boasting a strong advanced manufacturing and technology base with specific strengths in sectors that share elements of the space industry supply chain, such as photonics, aerospace, secure communications and software systems.



Paul James
Senior Strategy Manager –
Aerospace, Defence and Space

+44 (0)7816 173 124
paul.james@gov.wales

tradeandinvest.wales

Find out what Wales can do for your business:

Tel: +44 (0) 3000 603000

Web: tradeandinvest.wales

Linked-In: [linkedin.com/showcase/trade-&-invest-wales](https://www.linkedin.com/showcase/trade-&-invest-wales)

Facebook: [facebook.com/InvestWales](https://www.facebook.com/InvestWales)

Instagram: [@InvestWales](https://www.instagram.com/InvestWales)



Cymru Wales is the Welsh Government supported marketing initiative for Wales.

Disclaimer:

The Welsh Government does not warrant, endorse, guarantee, or assume responsibility for the accuracy or reliability of any information provided by the businesses featured in this brochure. The use of, or reliance on, any such information is solely at your own risk. You must conduct your own due diligence before entering into any contractual arrangements with those businesses. The Welsh Government excludes all liability whatsoever in respect of all claims, whether in contract or tort (including negligence) or otherwise arising out of or in connection with the content of this brochure.

Please note the information included in the brochure has been provided by the individual companies.

