

THIS IS SPACE. THIS IS WALES.

SPACE TECH EXPO 2026, BREMEN

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"Wales is helping to shape the future of the global space sector. From compound semiconductors and photonics to cyber security and advanced manufacturing, we have world-class capabilities that few regions can match. The delivery of Europe's first microgravity manufacturing research centre in Wales is just one example of the innovation and expertise driving our growing space economy."

Adam Price, MS
Cabinet Minister for Enterprise, Connectivity and Energy



Old town skyline from the Weser river, Bremen, Germany

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Rydym yn croesawu gohebiaeth a galwadau ffôn yn Gymraeg / We welcome correspondence and telephone calls in Welsh

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B2 Space	06
Excelerate Technology Ltd	07
Space Forge	08
Space Wales	09
TWI Research	10
Welsh Government	11



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 aerospace operations, providing commercial, defence, and academic clients with low-cost, flexible access to near-space environments.

Utilising High-Altitude Pseudo-Satellite (HAPS) technology and Near-Space Testing (NST) capabilities, the company enables long-duration flight validation, payload qualification, component stress testing, and atmospheric research under extreme, space-like conditions.

Under development is Rockoon, an advanced launch system combining a stratospheric balloon with an integrated rocket payload. By lifting the launch platform above 95% of the Earth's atmosphere prior to ignition, B2Space eliminates aerodynamic drag during early flight, significantly cutting propellant requirements, operational complexity, and overall launch costs compared to conventional ground-based rockets.

Through its responsive HAPS platforms, B2Space offers fully customised flight profiles, high-altitude persistence, and reliable payload recovery with short lead times. This allows hardware developers to demonstrate flight heritage, rapidly iterate designs, and de-risk mission-critical systems without incurring orbital launch expenses. B2Space delivers critical stratospheric infrastructure for the global space sector, giving hardware proven operational performance before orbital deployment.



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Excelerate Technology is a leading provider of resilient, secure connectivity and integrated technology for critical operations.

For 25 years, Excelerate has helped emergency services and public-sector organisations communicate, share real-time data and maintain situational awareness, wherever operations take them.

Its network-agnostic solutions combine satellite, 4G/5G, Wi-Fi and other available connections, using intelligent bonding and automatic failover to keep teams connected when traditional networks are unavailable or unreliable.

From mobile command vehicles and control-room integration to rapidly deployable communications and live video, Excelerate designs practical, user-focused solutions that improve coordination, support informed decision-making and strengthen resilience wherever teams need it most.



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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.



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

Space Wales work with >120 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.





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TWI Ltd is a UK-based research and technology organisation established in Cambridge in 1946.

With over 75 years' experience, TWI provides independent expertise in materials, manufacturing, joining, inspection and structural integrity, supporting companies across aerospace, space, energy, transport and other advanced industries.

Product/Service

TWI delivers applied R&D, engineering consultancy, process development, testing, inspection and qualification support, helping industry progress from feasibility and prototypes to industrial implementation.

TWI also manages the ESA Technology Broker for the UK on behalf of the European Space Agency and UK Space Agency. Through technology scouting, matchmaking, technical assessment and its Prepare for Space initiative, it helps businesses adapt terrestrial technologies for space applications and bring space-derived innovations into wider markets.

Objectives

TWI aims to establish new partnerships across the European space ecosystem, identify industrial challenges and technology-transfer opportunities, and support collaborative R&D, qualification and commercialisation. It seeks to connect space organisations, manufacturers and technology innovators with the expertise, facilities and networks needed to accelerate robust, commercially viable solutions for future space missions.



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Llywodraeth Cymru
Welsh Government

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.



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