



Space and the UK

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Power to your **procurement**



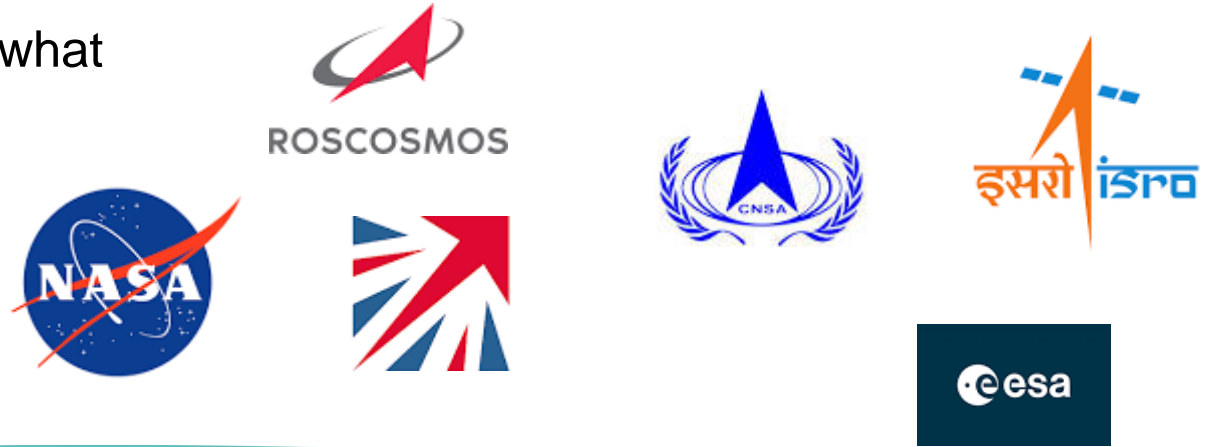
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Space and UK



- In the UK, space is critical to providing many of the services we rely on today such as defence and security, staying connected to family and friends, monitoring climate change, forecasting the weather, supporting financial transactions and agriculture to name just a few.
- One of the fastest growing areas of the global economy expected to be worth approximately 500 Billion to the global economy by 2030. Though many in the UK assume this is occurring abroad in the USA or China.

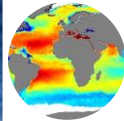
When we think of space what comes to mind?



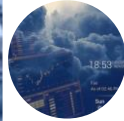
Why is Space Important to the UK?



Defence &
Security



Climate
Change



Weather
Forecasting



Financial
Transaction
s



Agriculture



Connectivity

- The UK space industry growth (+5.1%) outpaced the growth of the global space industry (+1.6%) at £17.5 billion in 2021/22



UK Space Vision and Strategy



Grow and level up our space economy



Promote the values of Global Britain



Lead pioneering scientific discovery and inspire the nation



Protect and defend our national interests in and through space



Use space to deliver for UK citizens and the world



Unlocking growth in the space sector



Growing the UK as a science and technology superpower



Collaborating internationally



Developing resilient space capabilities and services



Drone Usage

- Land Surveying
- Building/Structures Inspections
- Transport Management
- Emergency Planning
- Coastal Management.
- Law Enforcement
- Greenspace Management



BT delivers the following services

Satellite communications Geospatial and remote sensing Unmanned autonomous vehicles

Satellite and space-enabled communication

Is your organisation looking to start working with cutting edge technology such as satellite and space-enabled communication? BT can offer a variety of services in this area, covering:

- Broadcast
- Communications
- Advisory, consultancy, and training

Across many parts of the UK the terrestrial networks can be patchy. Satellite communications can provide that connectivity in remote or challenging places to reach where a terrestrial network cannot provide connectivity. A key example of this would be on the railways where much of the technology requires satellite communications to function more effectively.





The use of Earth Observation technology combined with AI allows customers to predict ,monitor and contain wildfires. This technology also provides the ability for better land management moving forward to mitigate the risk of wildfires.

AI4EO Fire Monitoring:
using AI to battle
and rebuild



eSurge: helping communities turn back the tide

Earth Observation technology allows our customers to monitor and predict the risk associated with coastal surges. Customers are able to gain access to accurate mapping and shared forecasts which allows them to mobilise more quickly in the event of a surge or a devastating flood. This technology has also aided in the development of flood defence systems to minimise the damage caused by such natural disasters.



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Further Reading

Space news is a great one stop spot for all things space, they update regularly

<https://spacenews.com/>

Case Studies:

Milton Keynes Council secures £1M of funding from Government to invest in drone technology

<https://www.milton-keynes.gov.uk/news/2022/city-council-secures-ps1m-drone-project>

Scottish Local Authority generates £4.5M of cost savings through the use of drone technology

<https://www.commercialdroneprofessional.com/drone-safe-register-member-saves-local-authority-over-4m/>



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