



UNIVERSITY OF
LEICESTER

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SPACE PARK LEICESTER
William Wells

Anicca Digital 2nd Nov

Space Park Vision



-World-leading hub for Space and Space-enabled industry

-Enabling Space 4.0

-Earth Observation (EO) data into Commercial Applications, Services and Businesses

-Enabled by Research, Education & Innovation at the University of Leicester

-Creating a dynamic community of businesses, researchers, student & agencies

UK Space Sector

A national priority

- National Space Council established in June 2020, chaired by the Prime Minister
- Key for UK's aim to become 'a global science superpower' and its future outside the EU
- Significant space workforce, skills and infrastructure required to support spaceports
- New UK Space Strategy launched Sept 2021
- Themes include: Globally leading space economy, science super power, Trade & FDI & levelling up
- Leicester is uniquely well-positioned to help deliver strategy

LEICESTER "LEADS THE WAY" ON NEW NATIONAL SPACE STRATEGY

28/09/2021

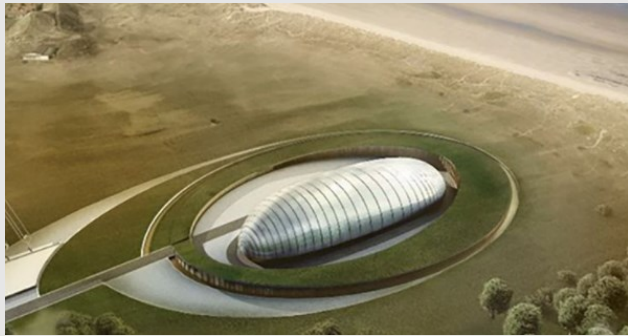


Global navigation and comms

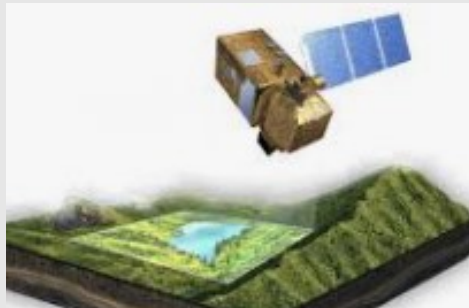
Space –general purpose technology



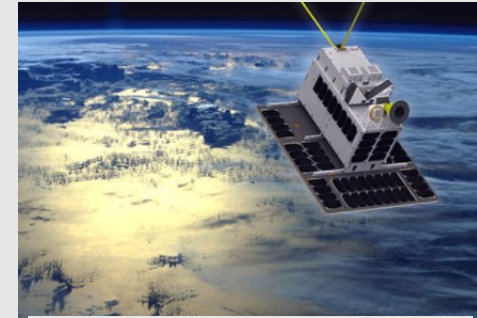
Precision engineering



Adapted power sources



Data services for health, the environment



Defence and security

Nowhere to hide: Using satellite imagery to estimate the utilisation of fossil fuel power plants

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2 NOVEMBER 2021

SPACE PARK
CONVERSATIONS

WHAT DOES COP26 MEAN FOR LEICESTER?

#TOGETHERFOROURPLANET



The image shows a futuristic lunar lander on the moon's surface. The lander is white with blue accents and has "AIRBUS" written on its side. It has solar panels and a blue gas cylinder. To the right, a cutaway view of a habitat structure is shown, revealing a brown, porous interior. The background is a dark blue space with stars.

The Future

- Lunar Mining
- Cloud in the cloud
- Human habitation



Economic Opportunity

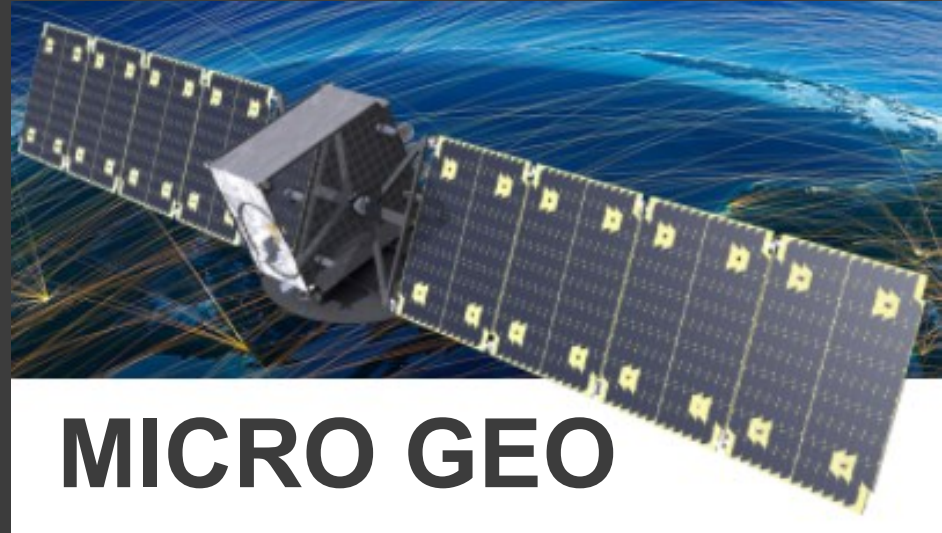
- Global space sector worth £300 billion and growing rapidly
- Expected to be worth £500 billion by 2030
- UK Government target to capture 10 per cent (and 100,000 new jobs)
- High-value jobs and productivity – GVA is three times the national average

Space Park Leicester



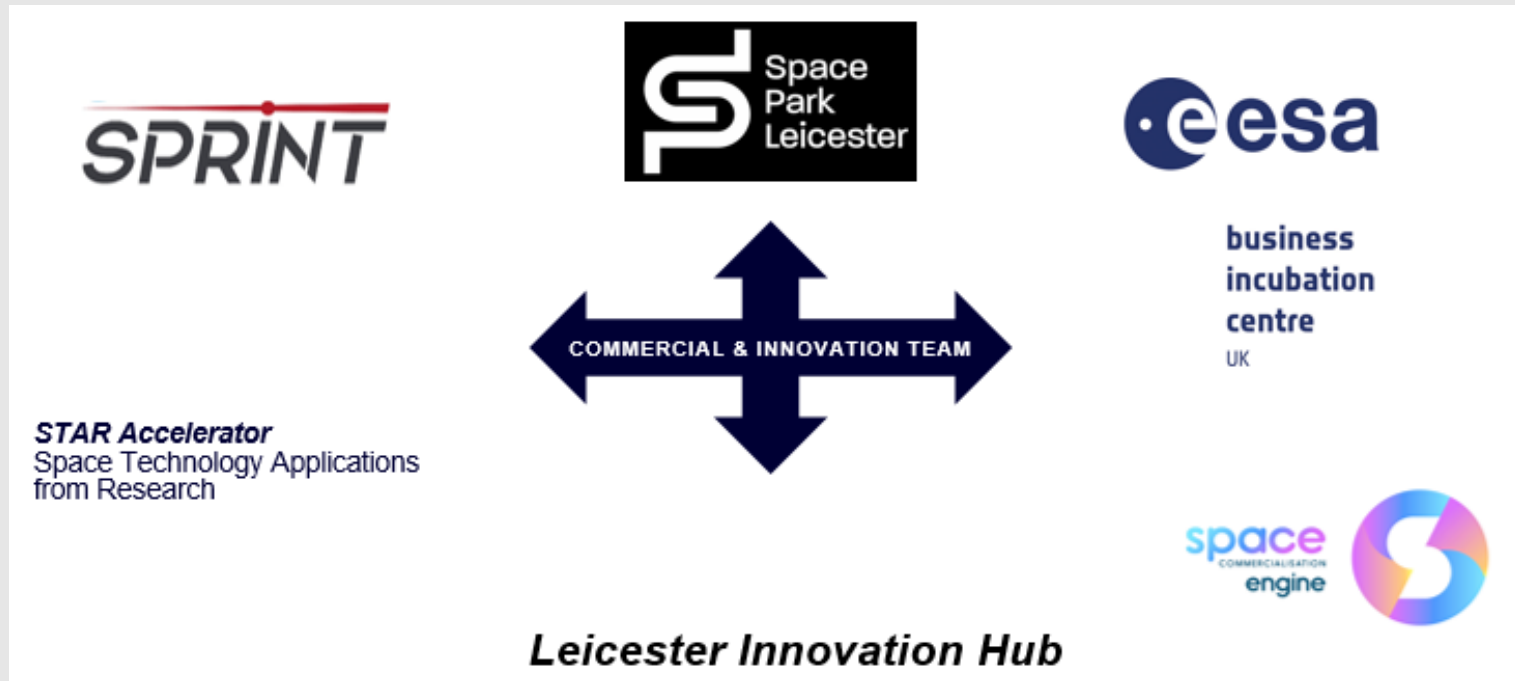
Transforming access to space

- Ultra small 'shoebox' satellites for low cost easy-access space experimentation 'CubeSat'
- We reduce the barriers to entry
- Pioneering 'nuclear' power systems to explore new frontiers in space





Innovation Environment





Institute of Technology

Inclusive, well-paid jobs in the city

- Addresses skills gaps
- Inclusive, technical pathways, apprenticeships and training for all
 - Leicester developed first ever space apprenticeship with Airbus and UKSA
- Replace lost low-skilled jobs
- Drive inclusion (currently 90 per cent white)
- Supported by the National Autistic Society and British Dyslexia Association



Partners/Incoming Businesses



AIRBUS





Pioneer Park

A vision for future growth

- Opportunity for Leicester to become national technology centre
- Replace low skills with inclusive, digital and hi-tech jobs
- Manufacturing facilities would deliver a game-changing 'end-to-end' proposition for Leicester
- Branding and marketing key to maximise inward investment (on-going project)
- **Levelling Up Fund bid will provide site connectivity and coherence**



‘Space City’

Leicester has distinctive position in the UK

- No other city in the UK has such a growing reputation for space
- The city is the national home of space education – National Space Centre, National Space Academy, and the University of Leicester
- University has world class research expertise
- City is growing space businesses and attracting agencies
- Opportunity to become a national leader