

Space Sector Challenges and Opportunities

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Satellite Applications



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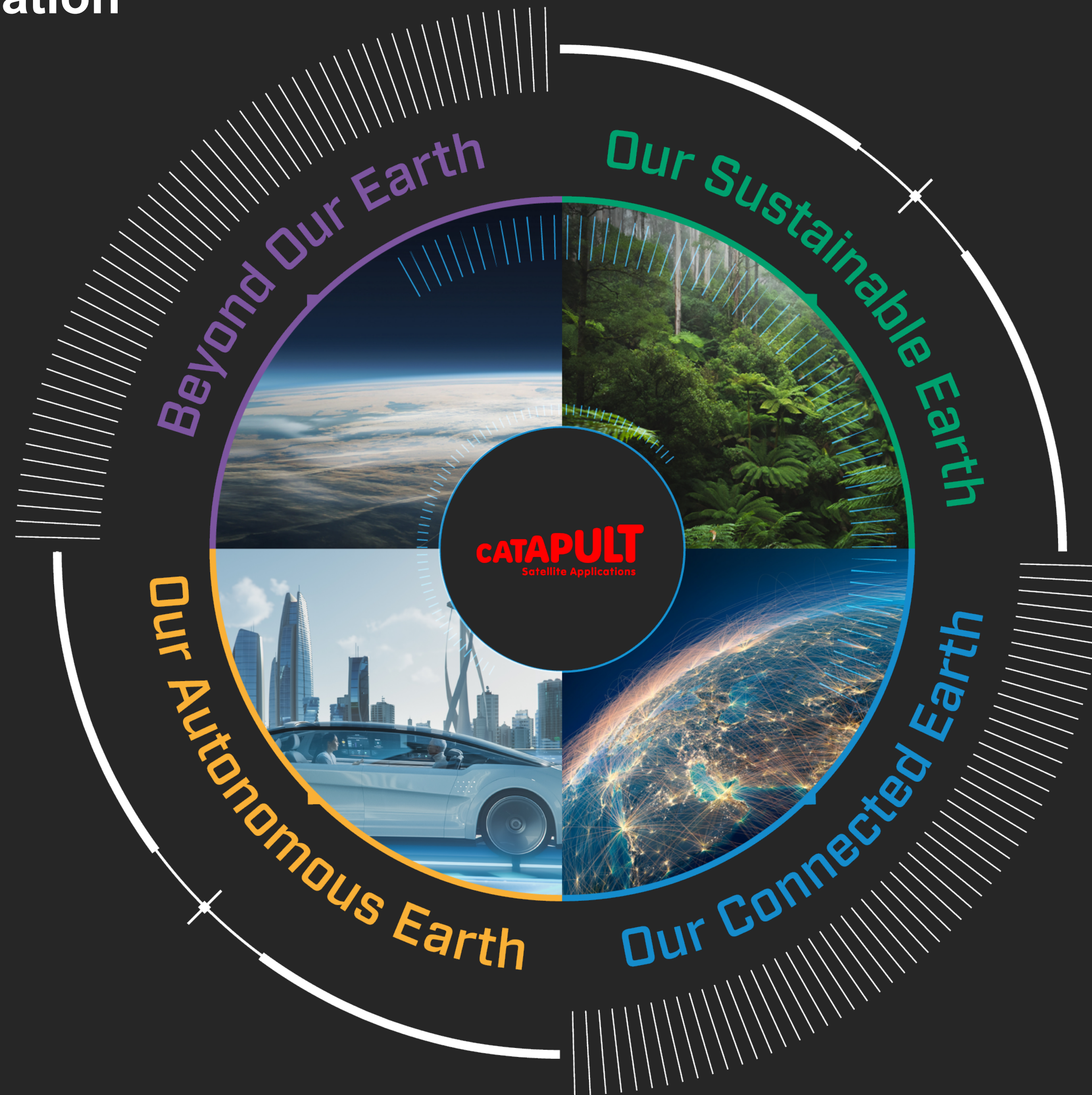
Our Mission

CATAPULT
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To innovate for a **better world,**
empowered **by space.**



A Mission-Led Organisation



Challenges: Storytelling

Four overlapping screenshots of the BBC News website illustrating different storytelling approaches:

- Top Left:** Article titled "Osiris-Rex: Nasa reveals 'beautiful' asteroid" dated 11 October. The image shows a close-up of a metallic circular component. Attribution: NASA/ERIKA BLUMENFELD & JOSEPH AEBERSOLD.
- Top Middle:** Article titled "New funding for Shetland project" dated 7 days ago. The image shows a coastal landscape with a river and hills under a cloudy sky.
- Top Right:** Article titled "Nasa probe launches to asteroid Psyche" dated 13 October. The image shows a tall, thin water tower against a clear sky.
- Bottom Right:** Article titled "Axiom Space: Plan to send all-UK astronaut mission into orbit" dated 25 October. The image shows an astronaut in a white spacesuit with a British flag patch, floating in space next to a large yellow solar panel array.



Challenges: Funding

National Space Strategy, 10 Point Plan

UKSA Investment

Expand our horizons with space science and exploration	£633M
Unleash innovation across the space sector	£457M
Fight climate change with space technology	£261M
Capture the European market in commercial small satellite launch	£108M
Lead the global effort to make space more sustainable	£98M
Develop our world-class space clusters	£76M
Improve public services with space technology	£49M
Upskill and inspire our future workforce	£40M
Deliver the UK defence space portfolio	
Use space to modernise and transform our transport system	



Challenges: Funding

TheCityUK

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The Chancellor's Mansion House speech – summary

 13 July 2023

During his [Mansion House speech](#) on 10 July 2023, Chancellor Jeremy Hunt set out his 'Mansion House Reforms', a substantial package of measures aimed at enabling the financial services sector to increase pension and other investment returns for people across the UK and boost the supply of investment capital available to support the growth of high potential businesses across the UK economy.



Enabling Opportunity: Agile Space

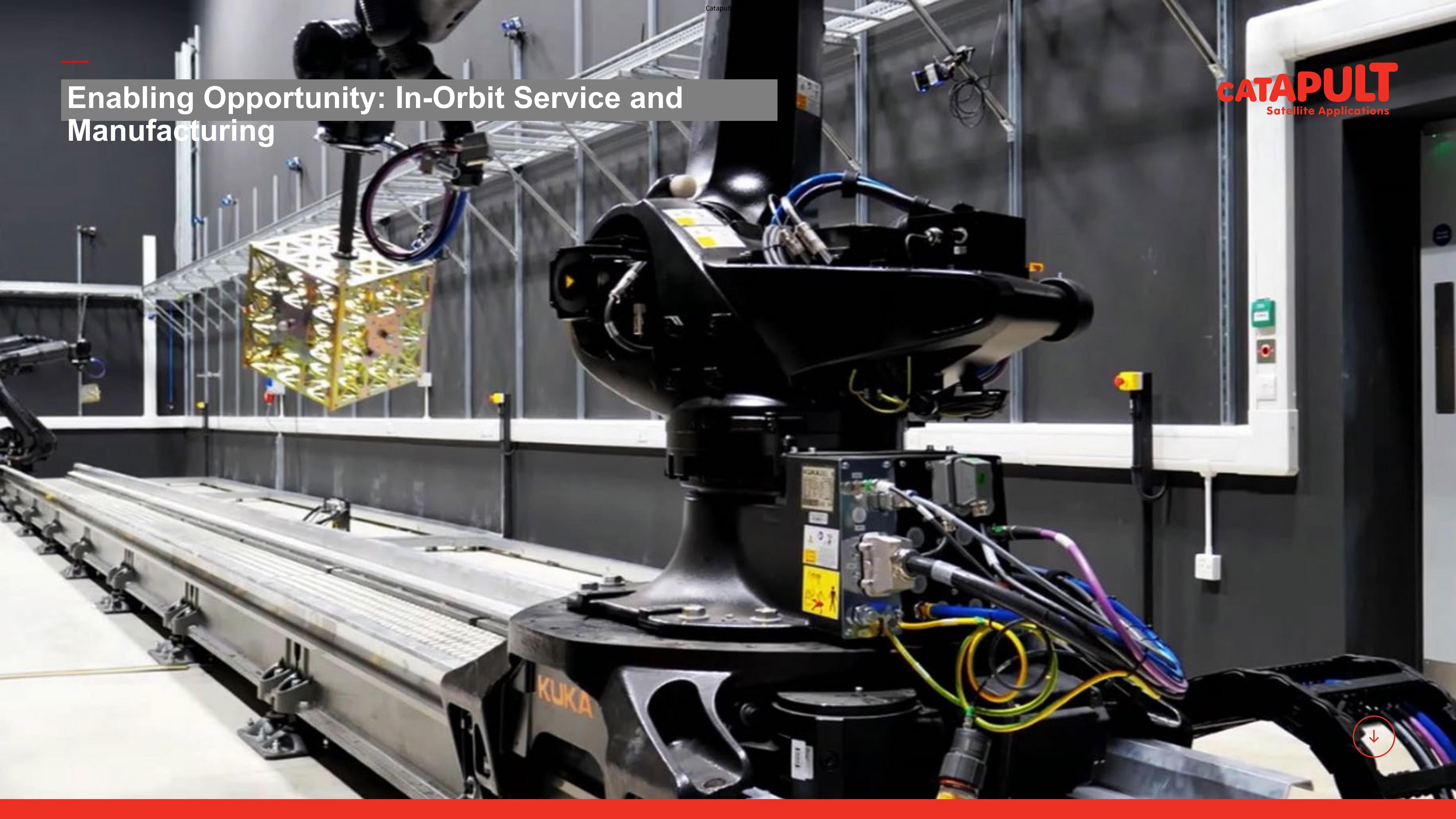
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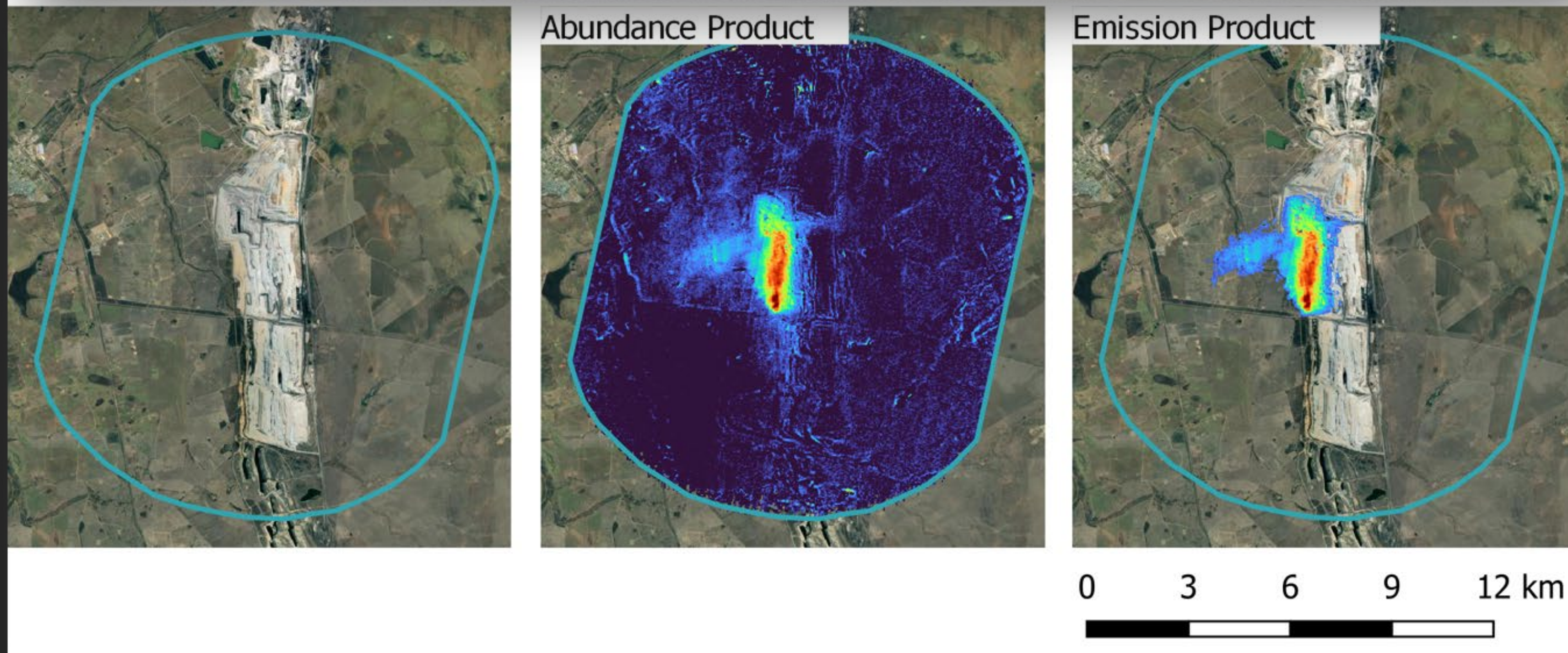
Image Credit: Orbex



Enabling Opportunity: In-Orbit Service and Manufacturing



Enabling Opportunity: Accessibility



GHGSat methane emissions data for Dawson Mine, Australia



Enabling Opportunity: Space Sustainability

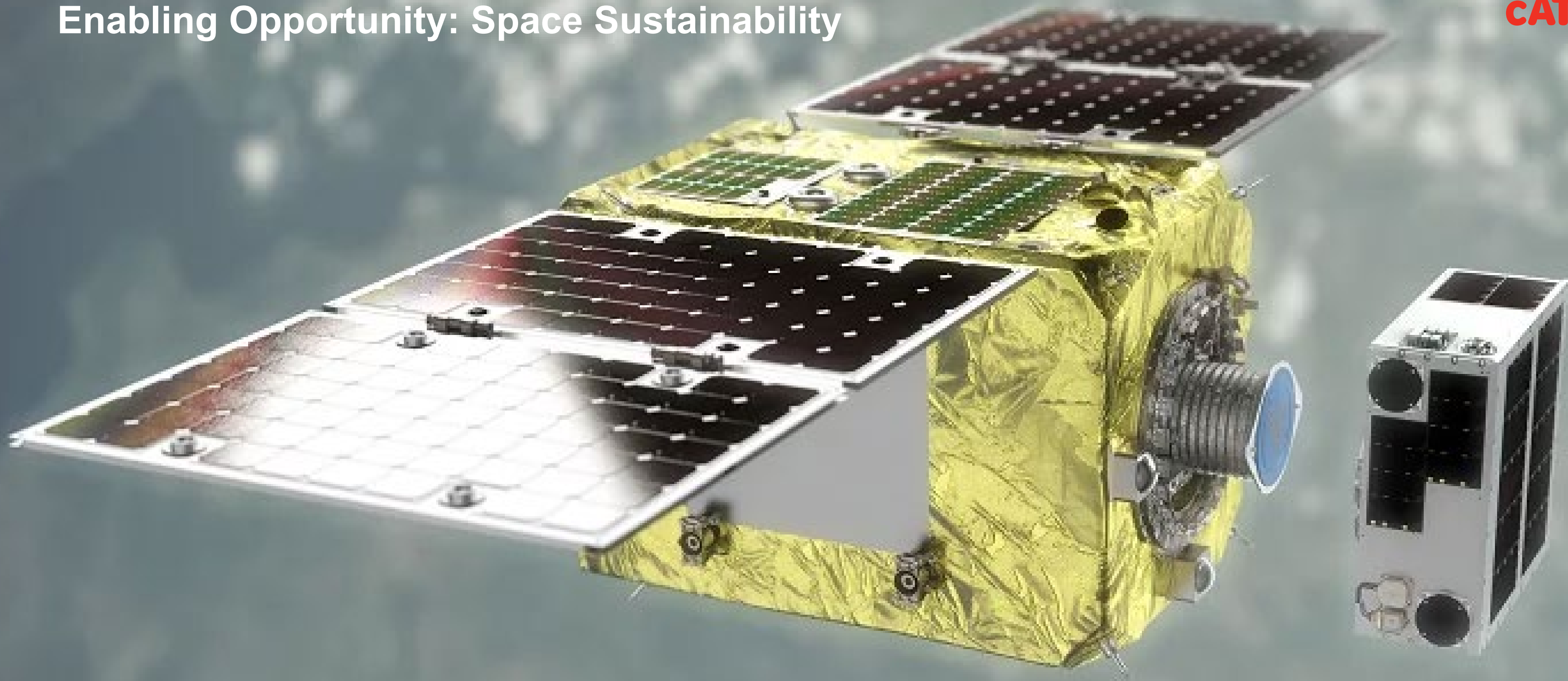
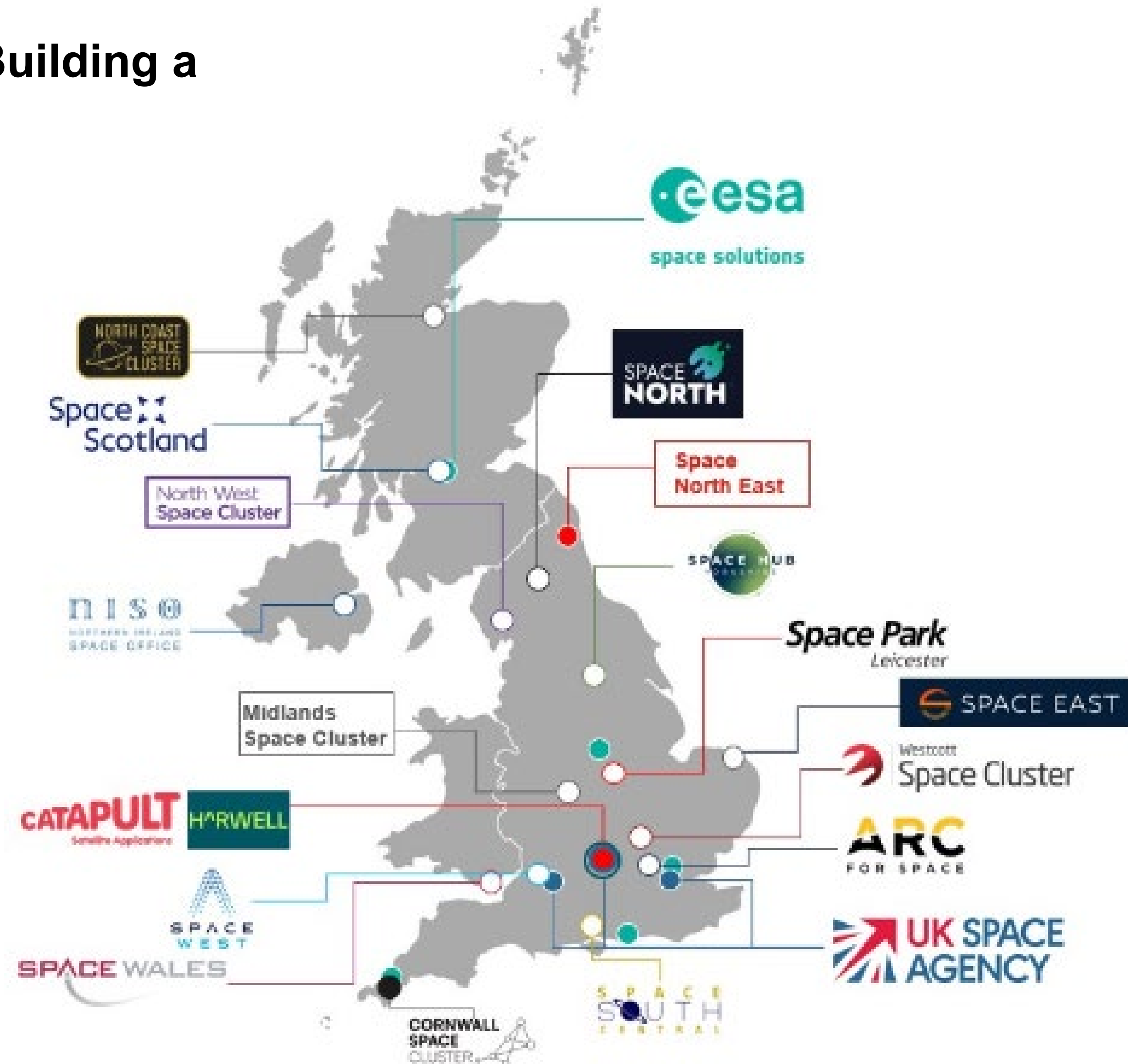


Image Credit: Astroscale



Enabling Opportunity: Building a whole-UK Ecosystem



Enabling Opportunity: Unlocking Private Investment



Enabling Opportunity: Compelling Stories

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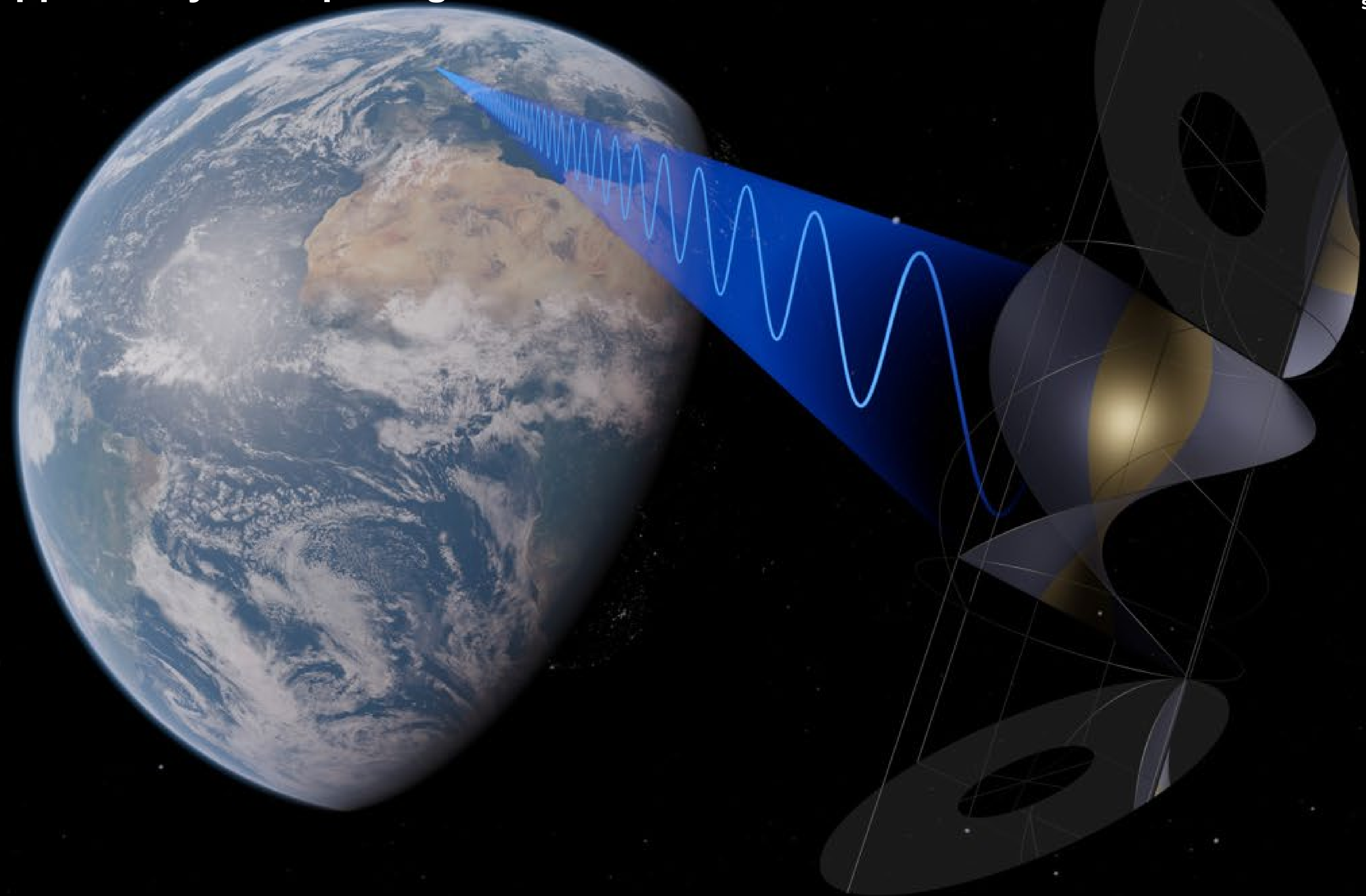


Image Credit: Space Solar



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Thank you



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