

CORNWALL SPACE CLUSTER



CORNWALL'S STRATEGIC AMBITIONS IN SPACE

Through exploiting the physical, digital and intellectual assets in the region, Cornwall is fast becoming a leader in the National Space Programme.

1

Be the UK's primary data communications and satellite operations centre for Government

3

Be globally recognised for applying environmental intelligence to solve local and global challenges

2

Be globally recognised as a centre for horizontal launch services

4

Have inspired and equipped the next generation of scientists, software and technology developers, engineers and entrepreneurs to engage with the Data and Space sectors and develop products and services which create sustained value for the economy

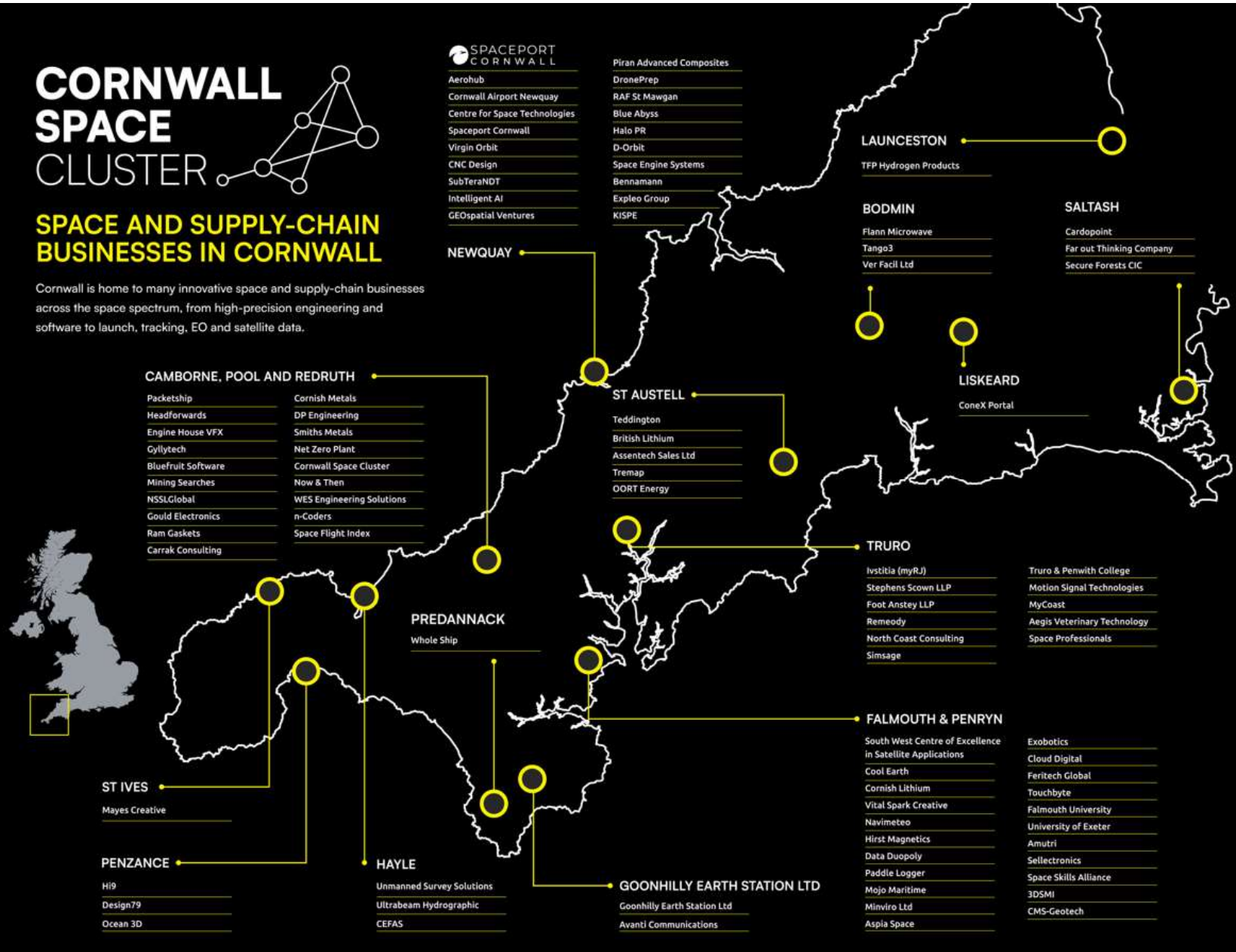


CORNWALL SPACE CLUSTER



SPACE AND SUPPLY-CHAIN BUSINESSES IN CORNWALL

Cornwall is home to many innovative space and supply-chain businesses across the space spectrum, from high-precision engineering and software to launch, tracking, EO and satellite data.



**SPACEPORT
CORNWALL**

- Aerohub
- Cornwall Airport Newquay
- Centre for Space Technologies
- Spaceport Cornwall
- Virgin Orbit
- CNC Design
- SubTeraNDT
- Intelligent AI
- GEOspatial Ventures

- Piran Advanced Composites
- DronePrep
- RAF St Mawgan
- Blue Abyss
- Halo PR
- D-Orbit
- Space Engine Systems
- Bennamann
- Expleo Group
- KISPE

NEWQUAY

CAMBORNE, POOL AND REDRUTH

- | | |
|--------------------|---------------------------|
| Packetship | Cornish Metals |
| Headforwards | DP Engineering |
| Engine House VFX | Smiths Metals |
| Gyllytech | Net Zero Plant |
| Bluefruit Software | Cornwall Space Cluster |
| Mining Searches | Now & Then |
| NSSLGlobal | WES Engineering Solutions |
| Gould Electronics | n-Coders |
| Ram Gaskets | Space Flight Index |
| Carrak Consulting | |

ST AUSTELL

- Teddington
- British Lithium
- Assentech Sales Ltd
- Tremap
- OORT Energy

LAUNCESTON

- TFP Hydrogen Products

BODMIN

- Flann Microwave
- Tango3
- Ver Facil Ltd

SALTASH

- Cardpoint
- Far out Thinking Company
- Secure Forests CIC

LISKEARD

- ConeX Portal

TRURO

- Ivstilia (myRJ)
- Stephens Scown LLP
- Foot Anstey LLP
- Remedy
- North Coast Consulting
- Simsage

- Truro & Penwith College
- Motion Signal Technologies
- MyCoast
- Aegis Veterinary Technology
- Space Professionals

PREDANNACK

- Whole Ship

FALMOUTH & PENRYN

- South West Centre of Excellence in Satellite Applications
- Cool Earth
- Cornish Lithium
- Vital Spark Creative
- Navimeteo
- Hirst Magnetics
- Data Duopoly
- Paddle Logger
- Mojo Maritime
- Mlinviro Ltd
- Aspia Space

- Exobotics
- Cloud Digital
- Feritech Global
- Touchbyte
- Falmouth University
- University of Exeter
- Amutri
- Sellelectronics
- Space Skills Alliance
- 3DSMI
- CMS-Geotech

ST IVES

- Mayes Creative

PENZANCE

- Hi9
- Design79
- Ocean 3D

HAYLE

- Unmanned Survey Solutions
- Ultrabeam Hydrographic
- CEFAS

GOONHILLY EARTH STATION LTD

- Goonhilly Earth Station Ltd
- Avanti Communications

CORNWALL SPACE CLUSTER



EARTH OBSERVATION / DATA SCIENCE

- Intelligent AI
Aspia Space
- Sechoia
Cloud Digital

DATA PROCESSING

- Goonhilly Earth Station
- Avanti Communications

SATELLITE OPERATORS

- Goonhilly Earth Station
- Avanti Communications

LAUNCH OPERATORS

- D Orbit
- Space Engine Systems (SES)
- Sierra Space
- Virgin Orbit

LAUNCH SUBSYSTEMS

- D Orbit

LAUNCH SERVICES

- Spaceport Cornwall

END USERS

- Tremap
- Cornish Lithium
- Cornwall Council
- Cool Earth
- MyCoast
- Data Duopoly
- Secure Forests
- Kittiwake Labs

SKILLS & RESEARCH

- Space Skills Alliance
- University of Exeter
- Truro & Penwith College
- Falmouth University
- Satellite Applications Catapult

SATELLITE DEVELOPERS

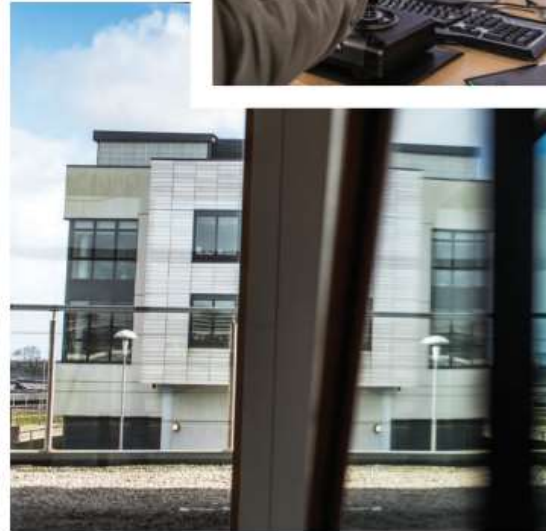
- KISPE
- Exobotics

SUPPLY CHAIN FOR SPACE

- Flann Microwave
- Piran Advanced Composites
- DP Engineering
- ConeX Portal
- Exobotics
- WES Hardmetal Engineering
- Hirst Magnetics
- CNC Design



ACCESS OUR INNOVATION ECOSYSTEM IN CORNWALL



01.

FALMOUTH UNIVERSITY

Innovation happens where creativity and technology meet. Both are in abundance in Cornwall, and Falmouth's industry-focused courses help foster new thinking.

Penryn Campus is the only campus in the UK with three universities co-located and offers access to robotics, mining, environmental sustainability and artificial intelligence expertise as well as specific research such as extra-solar planets, the dark environment and Earth observation. This capability is supplemented by other learning centres including the Eden Project.

falmouth.ac.uk

02.

UNIVERSITY OF EXETER

The University of Exeter is globally recognised for research excellence. The University are experts in developing impact, connecting partners, nurturing collaborations and generating value.

exeter.ac.uk

03.

TRURO AND PENWITH COLLEGE

Truro and Penwith College is widely respected as one of the best colleges in the UK, as recognised by Ofsted which awarded the highest possible status of 'Outstanding' following its latest inspection.

The College invests heavily in state-of-the-art facilities and resources to support future and emerging skills in Cornwall, with a focus on the developing digital, engineering and manufacturing industries. The South West Institute of Technology building opened at the Truro campus in 2021, housing facilities that match the best in the UK and expansion is underway to install cutting-edge laboratories to support the development of innovative courses delivering skills for electric vehicles and the emerging green technology sectors.

truro-penwith.ac.uk



04.

CORNWALL SPACE AND AEROSPACE TECHNOLOGY TRAINING PROJECT

The CSATT project has been launched at the Truro and Penwith College and has already developed the South West's first Space Engineering Technician Apprenticeship in partnership with employers from the space sector and its supply chain. This sits alongside short courses and degree level qualifications to support the growth and success of Cornwall's space sector.

truro-penwith.ac.uk



PIONEERS IN SPACE COMMUNICATIONS



GOONHILLY EARTH STATION LTD.

Goonhilly is a world-renowned satellite and space communications company, working at the forefront of the nation's growing space sector. With its HQ and UK ground station in Cornwall, and assets and personnel in the USA and Australia, the company showcases the region's exceptional space capabilities on a global stage.



SATELLITE COMMUNICATIONS

The trusted satcom service provider of choice for many of the world's major satellite operators, Goonhilly's services include uplink and broadcast, gateway operations, TT&C, carrier monitoring, LEOP tracking, and more. With over 60 years' experience and a diverse range of assets and capabilities, Goonhilly has earned a reputation as the UK's "Gateway to Space".

LUNAR AND DEEP-SPACE COMMUNICATIONS

Since 2019, Goonhilly has expanded its services to the Moon and beyond. The world's only commercial lunar and deep-space communication service provider, Goonhilly's network provides sought-after capacity for space agencies and private companies to communicate with their spacecraft. With the international expansion of Goonhilly's deep space network ongoing, the company is positioning itself to further support the rapidly accelerating global space exploration market.

goonhilly.org

**CENTRE FOR SPACE
TECHNOLOGIES**

The Centre for Space Technologies (CST) is a series of world-leading R&D and innovation facilities designed to provide safe, dedicated and responsible access to space.

Our vision is to connect people, businesses and ideas, to benefit people and planet.



Scan me for further information



Space
for Good.

9m
Tall ISO8
Clean Room



60sqm
Payload
Hall
Workspace

870sqm
Integration
Hall
Workspace

**SPACE SYSTEMS
INTEGRATION FACILITY (SSIF)**

Launch critical to enable Virgin Orbit, and future launch operators, to test space technologies and satellites. Available for additional business use outside of launch campaigns.

**SPACE SYSTEMS
OPERATIONS FACILITY (SSOF)**

Welcoming businesses, and academic institutions from February 2023, the SSOF is the focal point of the Spaceport Cornwall site. Where services will be developed and Responsible Launch research conducted that will change the world by tackling some of the biggest challenges mankind faces, including climate change.

CST FACILITIES

Space Systems Integration Facility (SSIF)

- 9m tall ISO8 clean room
- Gantry crane
- Payload hall/ 60sqm of workspace
- Integration hall/ 870sqm of workspace
- Payload check in/ out and storage
- Direct access to 20,000 sqm Outdoor Test Facility

Space Systems Operations Facility (SSOF)

- Office and laboratory spaces
- Hotdesking collaboration zone
- Reception area
- Mission Ops Centre
- Cleanroom
- Bookable meeting rooms
- Secure 24hr key card access

Space Systems
Integration Facility (SSIF)



PROPERTY AND ENTERPRISE ZONES IN CORNWALL

Cornwall is an inspiring location for businesses, with a wide variety of workspace options available, including Enterprise Zones offering tax incentives and planning freedoms.

ENJOY TAX INCENTIVES AND PLANNING FREEDOMS

We manage a large collection of high-quality office, industrial and commercial development plots. Workspaces are available to rent across Cornwall at a number of Cornwall Council's landmark developments.

choosecornwall.co.uk

If you would like to take space in an existing building, or build on land in Cornwall, contact james.fairbairn@cornwall.gov.uk or martha.burnyeat@cornwall.gov.uk



THE FIBRE HUB

The Fibre Hub offers flexible workspaces for businesses in the tech sector, with networking and collaboration encouraged. Benefit from a 1gbps fibre connection, 100 seat auditorium, onsite cafe and parking.

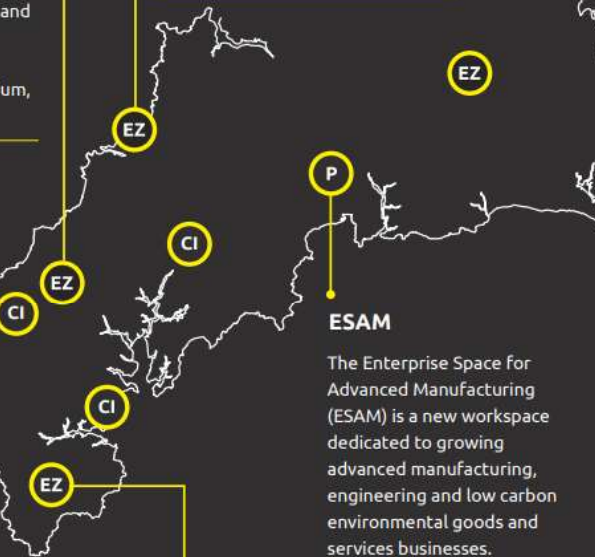
AEROHUB

Join the UK's only dedicated Aerospace Enterprise Zone. Based at Cornwall Airport Newquay, Aerohub gives businesses opportunities to grow, with planning freedom and business rate relief. Aerospace, space or related sectors can benefit from the airport's infrastructure as well as an adjacent 36 hectare Business Park.

CI

These state-of-the-art three storey buildings provide dynamic office space, access to individually tailored business support services, cutting-edge meeting & conference facilities, informal networking areas, fabulous connectivity and technology and the connection to a vibrant and collaborative business community.

cornwallinnovation.co.uk



P

ESAM

The Enterprise Space for Advanced Manufacturing (ESAM) is a new workspace dedicated to growing advanced manufacturing, engineering and low carbon environmental goods and services businesses.

GOONHILLY ENTERPRISE ZONE

With access to space communications, data storage and processing, well-equipped labs, ample office and workshop space, and zero business rates, the Goonhilly Enterprise Zone offers a fantastic opportunity for business development.



FALMOUTH
UNIVERSITY

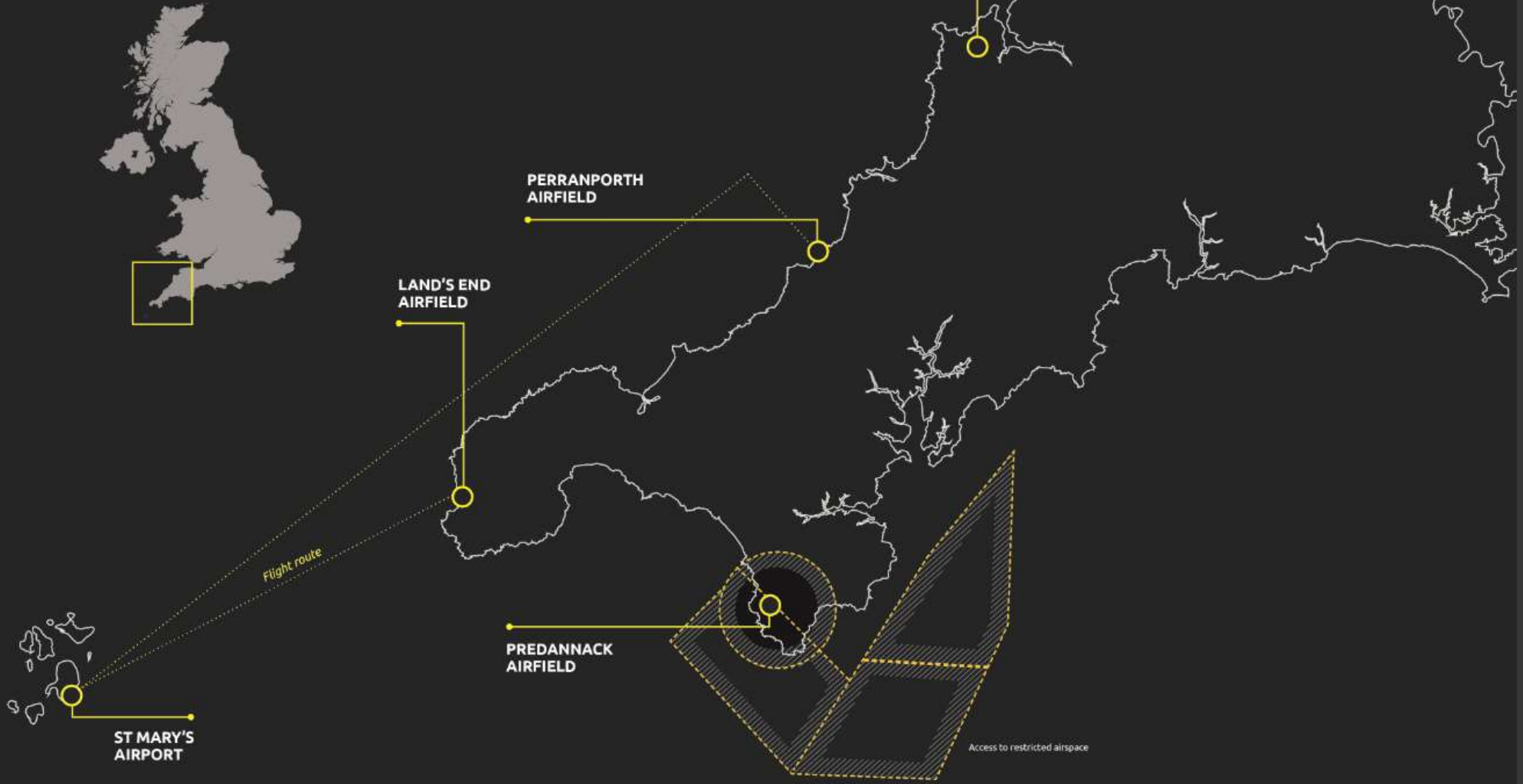


Falmouth area



The Tremough Innovation Centre (TIC) is a state-of-the-art three storey building with a total net rentable floor space of approximately 2200m². Accommodating up to 70 enterprises the business acceleration facility provides dynamic office space, access to individually tailored business support services, cutting-edge meeting & conference facilities, informal networking areas, fabulous connectivity and technology and the connection to a vibrant and collaborative business community.

5 AIRFIELDS IN CORNWALL WITH UAV TESTING





R&D funding

£5.0m R&D fund

Areas of focus;

Clean Energy Resources, Geo Resources, Data and Space,
Visitor Economy and Agri-food.

<https://www.ciosgrowthhub.com/business-grants>

Equity and Debt Finance



FUNDING AVAILABLE



Debt Finance
£25k - £1m



Equity Finance
£50k - £2m

<https://www.ciosif.co.uk/>



**British
Business
Bank**

**South West
Investment
Fund**

Smaller Loans

£25k - £100k



Debt Finance

£100k - £2m



Equity Finance

Up to £5 million



<https://www.british-business-bank.co.uk/nations-and-regions-investment-funds/south-west-investment-fund-swif/>

Interesting Companies



Vision AI

In parallel with our software development services, Sechoia is developing Vision AI software specifically for edge devices.

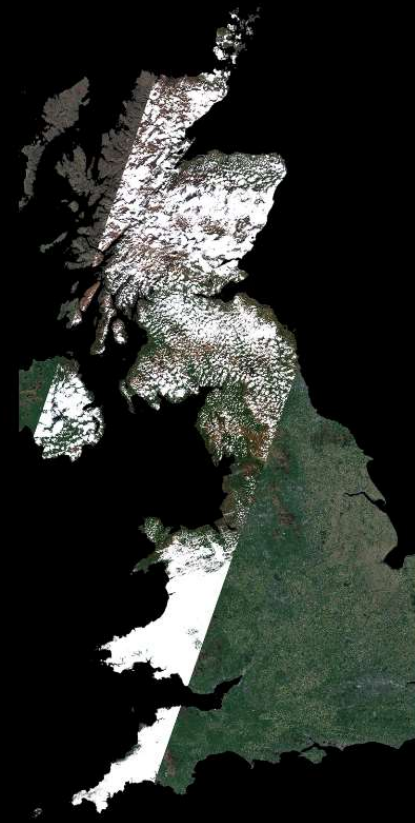
- Environment Mapping
- Object Tracking



ClearSky sees through clouds

Transform your business with hyperspectral satellite imagery, whatever the weather.

ClearSky from Aspia Space delivers rapid, accurate and regular access to a wealth of previously unobtainable information from satellite observation. Through a unique synergy between AI and expert human eye, we discover solutions, insights and efficiencies vital to business performance, strategy and growth.





Cornwall Space Cluster

www.cornwallspacecluster.co.uk

Subscribe on LinkedIn for funding and finance updates
<https://www.linkedin.com/build-relation/newsletter-follow?entityUrn=6940941424712441857>

