



Project

Aerospace and Space Cluster Growth and Investment Project

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Context

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 The Aerospace and Space sector in Cornwall and the Isles of Scilly does not have the necessary capacity to support development and growth of the sector cluster. As a key area of smart specialisation identified in the Strategic Economic Plan, the Aerospace and Space Cluster Growth and Investment Project will build this capacity, delivering a comprehensive programme of Research, Development and Innovation support to the space and aerospace sectors in the region. Building on previous investments in infrastructure, the project will support the commercialisation of research within local businesses and facilitate improved collaboration with research institutions and relevant industry / sector networks. This will increase capability within the sector, create high value jobs and attract inward investment which will ensure sustainable economic growth.

Market Failure Assessment

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 There is still insufficient critical mass in the IP being developing by aerospace and space technology developers, in collaboration with HE/FE, to ensure competitive advantage for the region. The innovation ecosystem is developing and work to promote investment in the 'Innovation Assets' outlined in the Research, Development and Innovation Framework has now created interest. Awareness is increasing of current R&D activity, support available and relationships with local and national networks are developing. The need for micro businesses to work collaboratively to build sufficient momentum to secure large supply chain contracts has not yet been adequately addressed. There is also a lack of skill and experience in translating R&D projects into market opportunities and accessing investment. This is despite recent legislative and fiscal policy changes which should advantage businesses in Cornwall and the Isles of Scilly to develop technology, products and services to compete nationally and internationally. Female participation in science, technology and engineering sectors has been and will continue to be targeted, including activity relating to events attendance, grant recipients and jobs creation.

Project Objectives

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 The project will drive growth in the region's economy through R,D&I investment in technologies which add value to the space / aerospace sectors to support the business base in integrating into the supply chains of key identified global markets where Cornwall and the Isles of Scilly has a competitive advantage (such as satellite communication, mining and energy). It will also develop and support appropriate models that encourage research and innovation to develop business opportunities in the identified growth markets (such as space resource exploitation). The project seeks to undertake collaborations with centres of excellence to support growth, and exploit market opportunities. It will contribute towards high value

Rationale

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 In order to ensure success, it is vital to promote awareness of current R,D&I opportunities and attract and secure investment for the space cluster at Goonhilly and the aerospace cluster at Newquay. This will grow markets, further establish the sector clusters and increase collaborations which should attract additional R,D&I activities to Cornwall and the Isles of Scilly. The project will also develop collaboration opportunities for space and aerospace companies, provide support to help them access new markets and funding and identify opportunities for innovation and adoption of new technologies across complementary sectors.

Inputs

What	Value
ERDF funding	£3.35m
Match funding CIOs LEP & CC	£0.5m
Private sector match - grant applicants	£1.5m
Employment of 7 FTE's	
External experts (9 consultants)	
Marketing budget	
IT equipment	
Office space	

Intended Impacts

What
Increased levels of business focused R,D&I investment
Stronger and more diverse supply chain within C&IoS and enhanced cluster growth
New disruptive technology development which is globally recognised

Outcomes

ID	Intended Outcome	How is it Measured?	Level	Baseline	Actual
1	Increase in high value jobs	Interim and final evaluation			
2	Increase in RD&I investment	Interim and final evaluation			
3	Increase in women participation in the science, technology &	Interim and final evaluation			
4	GVA	Interim and final evaluation			
5					

Outputs

What	Value
Enterprises receiving support	60
Enterprises receiving grants and cooperating with research	36
Enterprises receiving non financial support	24
New enterprises supported	12
Private investment	£1,500,000
New jobs in supported enterprises	12
New to market products	9
New to firm products	9

Activities

What
RD&I Grant fund which supports 36 R&D projects with grants of between
Innovation Services to support 24 businesses to engage with new
Attract new investment for local R,D&I growth delivery from non-SME
Contributing to the Innovation Ecosystem through sector
Promotion of CloS technology and innovation capability globally through