Satellites, Catapult... & the regions...

The Space Sector Deal and the UK's Industrial Strategy

Nick Veck
4th May 2017
UK Space Industry targets £40 billion revenue by 2030

“...substantive support for an elite group of Technology and Innovation Centres.”
Dr. Herman Hauser, 2010

“Applications and services using Space data will be one of the most important elements for delivering growth”
Space Innovation and Growth Strategy, 2010

“Catapult centres act as a neutral convener, the place where collaboration across TRLs can take place effortlessly.”
Dr. Herman Hauser, 2014
Evolution of the Space Growth Partnership

2010: IGS Phase 1
Establishes Space as a major growth opportunity for the UK

2013: IGS Phase 2
Re-stack and focus on key growth markets

SGP
A strategic partnership to face a rapidly changing environment
“Build upon proven strengths…”

“Powerful record of science and innovation… …burnish these strengths

“any successful industrial strategy has to be local…

“…need to have the right infrastructure – roads, rail, broadband and mobile… smart and modern connections – physical and electronic

“…encourage entrepreneurship and innovation

…benefit from a skilled workforce…”
The role of Catapults in this new environment

**Catapults** provide a very good fit with an Industrial Strategy setting …

We have:

• a **Sectoral** approach
• Primary focus on **Innovation**
• Objectives in **Regional Development** and **Skills**
• Significant interests in **Business Finance** solutions
The role of the Catapult’s regional Centres in this new environment

We can help Government’s industrial strategy objectives by:

- Working closely with our local and national business sectors
- Driving innovation and commercialisation of key technologies
- Providing targeted support for exports
- Helping to build stronger supply chains
- Helping companies to access valuable skills (esp. STEM)
- Helping companies access finance
- Working with government to enable smarter procurement
- Addressing regulatory barriers
- Helping to build regional clusters
Space Industry Vision for 2030

**Autonomous Planet**
Self driving cars, ships, planes....

**Sustainable Planet**
Precious earth resources continuously observed and managed

**Connected Planet**
Truly ubiquitous communications integrating satellites

**Self-aware Planet**
Global near real-time images & earth data for applications & services

2030
Our Programmes and your Centres’ areas of interest provide focus for the vision…

Engagement with user community is fundamental
# Space Growth Partnership – breadth of activity underway

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A **Community of Interest** provides a focus for stakeholders with a joint interest in developing space-derived solutions that will have positive impact on an end-user market.
Our proposals build upon the current activities:

- addressing the difficulty in engaging with companies (in particular SMEs) that could use space data or technologies to deliver new or improved products or services.

We want to leverage local support mechanisms and intelligence, including expertise in other sectors, to identify and bring innovative new companies into the sector.
1. Strengthen stakeholder engagement activities

2. Improve core information resources through a central supported portal.

3. Significantly expand the Satellite Application Catapult’s and UK Space Agency’s regional growth activities (Regional Fellows, Centres of Excellence and Business Incubators)
4. Establish **dedicated R&D funding to de-risk early stage collaborations** between non-space companies and Universities, PSREs and RTOs

4. Establish a **competitive fund to support the development of nationally relevant local infrastructure** to:
   – support industry and increase knowledge exchange (eg facilities, innovation spaces, incubation spaces etc.)
   – support the deployment of space-based solutions at scale

...leading to a **“National Space Cluster” network** that can be promoted as a UK asset
Questions & Next steps

Are these the right ideas?

Are they at the right scale to significantly increase what you are doing – and enable others areas to engage?

What have we missed?

What would these proposals mean for your centre / area?

*Two pagers covering:*
  – Aspirations
  – Impacts
  – Need letters of support from industry and local partners
The SGP and Sector Deal proposal is bringing together government, industry, academia and customers to ensure that the UK achieves its growth targets…

…and is the best place in the world to make money from space.
Thank You!

Satellite Applications