WEAF Annual Conference – 25th February 2015
The Challenge:

- Sustaining global competitiveness
  - UK #2 in world, SW #1 in UK
  - Securing market growth
  - Developing leading skills and talent in sustainable jobs
  - Creating a future-proof supply chain
  - Innovative solutions – high tech differentiation

The Vision:

- Create an Aerospace advanced-technology cluster capable of:
  - Developing and industrialising differentiating technologies
  - Driving technology lead collaborations and partnerships
  - Leveraging Academia, Catapult centres and UTC's
  - Developing leading Skills and Talent in sustainable jobs
  - Instigating innovation in the supply chain
iAero
south west aerospace innovation

– What is it?

SW aerospace cluster working together to realise the national aerospace agenda

Advanced Engineering and Technology

High Value Aerospace and Manufacturing Skills

Supply Chain Development and Enterprise

Targeted advanced Engineering and Technology capability

Additional educational capability integrated with National strategies

Additional capability to promote collaborative working and supply chain vitality
Aerospace Growth Partnership - ‘Lifting Off’

Product Development and Manufacturing

(May include repayable launch investment)

De-risk technologies for aerospace application

Capability Development
Integration Activities
Strategic Research Leadership

Aero structures
Advanced systems
Aerodynamics

Programme delivery mechanism (TSB)

Cross sectoral manufacturing research e.g. HVM catapult

EPSC

Legacy aerospace projects

TSB Cross-sectoral research

Deploy
Validate
Adapt/Integrate
Understand
Discover

Collaborative Programmes

Aerospace Technology Institute

Catapults Industry Academia

Technology/Readiness level
Foundation Technology Themes

- Advanced Composites Application & Integration
- Wing Integration & Optimisation
- Net Shape Manufacturing
- Rotorcraft Design and Manufacture (whole aircraft & major systems)
- Rotorcraft Integrated Electrical & Avionics Systems
- Advanced Assembly & Automation
- Wing & Engine Systems Integration

Processes, Skills, Infrastructure, Culture
South West Aerospace Cluster

[Map showing various aerospace companies and locations within the South West region of England.]
SW Aerospace Cluster working together to realise national aerospace agenda

Targeted advanced Engineering and Technology capability
- Aerospace Technology Institute (ATI)
- National Aerospace Technology Exploitation (NATEP)

Additional educational capability integrated with National strategies
- National Aerospace College
- Talent Retention Solution (TRS)
- MSc Bursaries
- AGP Employer Skills Programme:
  - Specialist Skills
  - Early Careers
  - Apprenticeships
  - Project Management
  - Knowledge Management

Additional capability to promote collaborative working and supply chain vitality
- Sharing in Growth (SiG)
- National Aerospace Technology Exploitation (NATEP)
- SC21

iAero
Underpinned by AGP Initiatives
Boosting SMEs

- Access to education, training programmes & people
- Access to scarce resources and core capabilities
- Support for start ups
- Partnering in technology development
- Access to facilities to support growth
- Involvement in iAero governance & strategies
- Technology insertion
- Increased collaborative opportunities
- Collaborative approach to secure opportunities

Boosting SME’s
– What is the iAero ‘Product’?

A Strategic approach to long term SW Aerospace capability development
## Filton Airfield Development

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Application made by BAE Systems in October 2014
Pending Consideration by South Glos County Council
Considerable consultation with Cribbs Patchway New Neighbourhood Member Liaison Group

An Opportunity!
- Aspiration for iAero-focused business use
- Advanced technology, SME units, skills, innovation & collaboration incubator......other?
- Need to gauge potential demand – speak to Simon to know more or register and interest