AYRSHIRE GROWTH DEAL

Working together for a successful, fair and inclusive Ayrshire economy

THE PRESTWICK PROPOSITIONS

- Horizontal Launch Capability - Prestwick Spaceport

- Supporting Infrastructure
  - Roads
  - Commercial Build
  - Digital

- Investment in Skills and Advanced Manufacturing
  - Aerospace and Space Technology Applications Centre (ASTAC)

PRESTWICK COMMERCIAL BUILD

AYRSHIRE GROWTH DEAL

WHY BUILD AT PRESTWICK - AEROSPACE

Long history of aviation and aerospace back to 1913

Employs over +4000 people = over 50% of the Scottish aerospace workforce

An established centre of excellence for MRO, aero structures and design engineering

Contributes £575 million to the Scottish economy and identified as a key area for investment, locally and nationally

Post COVID-19 the sector is ramping up

WHY BUILD AT PRESTWICK - SPACE

The value of the global space sector is projected to reach £400bn by 2030

The UK has set out ambitions to capture a 10% share of that market, £40bn

Glasgow is home to Europe's largest Small Satellite Sector, which is transitioning to larger production runs

Prestwick is set to be among the first UK Horizontal Launch Providers (more about that later)

There has been significant interest from the sector in establishing a footprint at Prestwick

With a well established Aerospace Sector, the area is ideally placed to provide the skills and workforce needed

WHY IS SUPPORT NEEDED?

Market Failure – Not commercially viable

Demand is high in both Aerospace and Space

There is very little quality commercial stock

Access to capital has reduced post COVID-19

The Prestwick Proposition is increasing demand

If we don't build we will lose the opportunity to grow the Aerospace Cluster and build Scotland Space Cluster

WHERE ARE WE NOW?

Proposed funding model has been developed

The master planning process is underway

There is significant near term demand from both Aerospace and Space businesses

And hot off the press, yesterday the UK and Scottish Governments have endorsed the Outline Business Case, and we will now move to Final Business Case

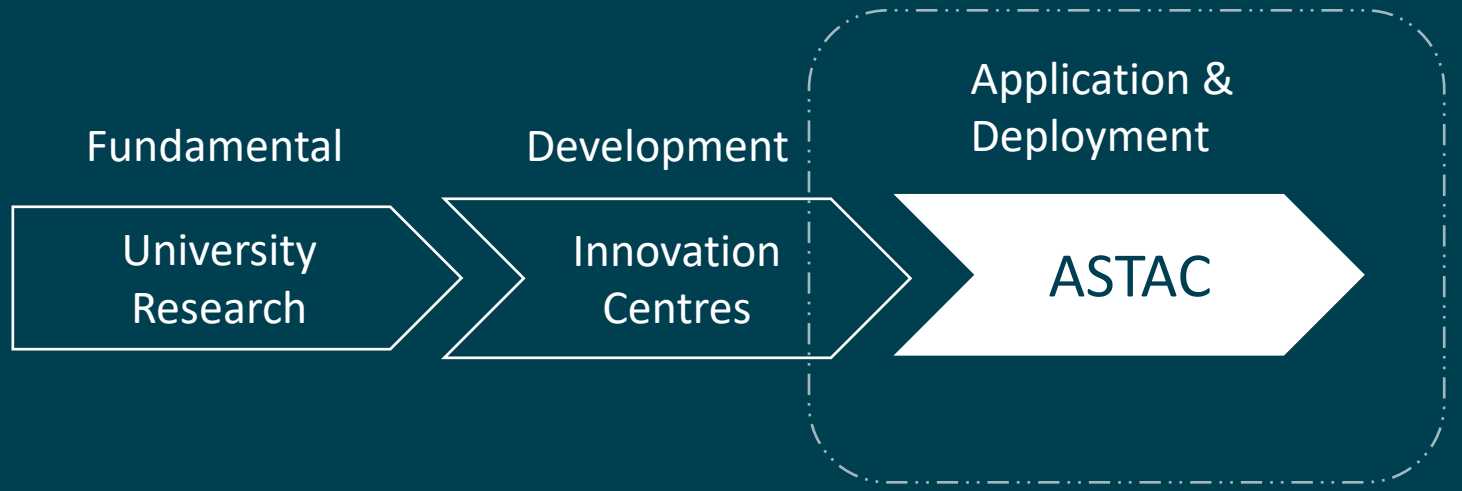
ASTAC

Aerospace and Space Technology Applications Centre

AYRSHIRE GROWTH DEAL

Focus on helping firms to *apply* technologies and process innovations, develop innovations in training and inspire the next generation of Aerospace and Space pioneers

Bridging the Valley of Death – TRL's 4 and above



THE ASTAC OFFER

- Assist firms with the practical introduction of new, more productive processes and introduce new technology to enhance their competitiveness
- Attract appropriately and practically trained vocational staff through the creation of a Space and Aerospace Skills/Training Academy
- Assist firms to develop the next generation of Aerospace Leaders through delivery of an accredited Aerospace Leadership Training programme
- Access specialist business support personnel including those at SMAS, South Ayrshire Council and other relevant business support organisations
- Provide a bridge to capabilities elsewhere in Scotland, the UK and globally where ASTAC staff will help firms to identify and manage the engagement of specialist inputs – local examples would provide access to specialist facilities at the National Manufacturing Institute Scotland (NMIS) and the Spirit Aerospace Innovation Centre (AIC) at Prestwick
- Act as a focus to facilitate businesses in the Prestwick cluster to become engaged in national projects around green aviation and Space

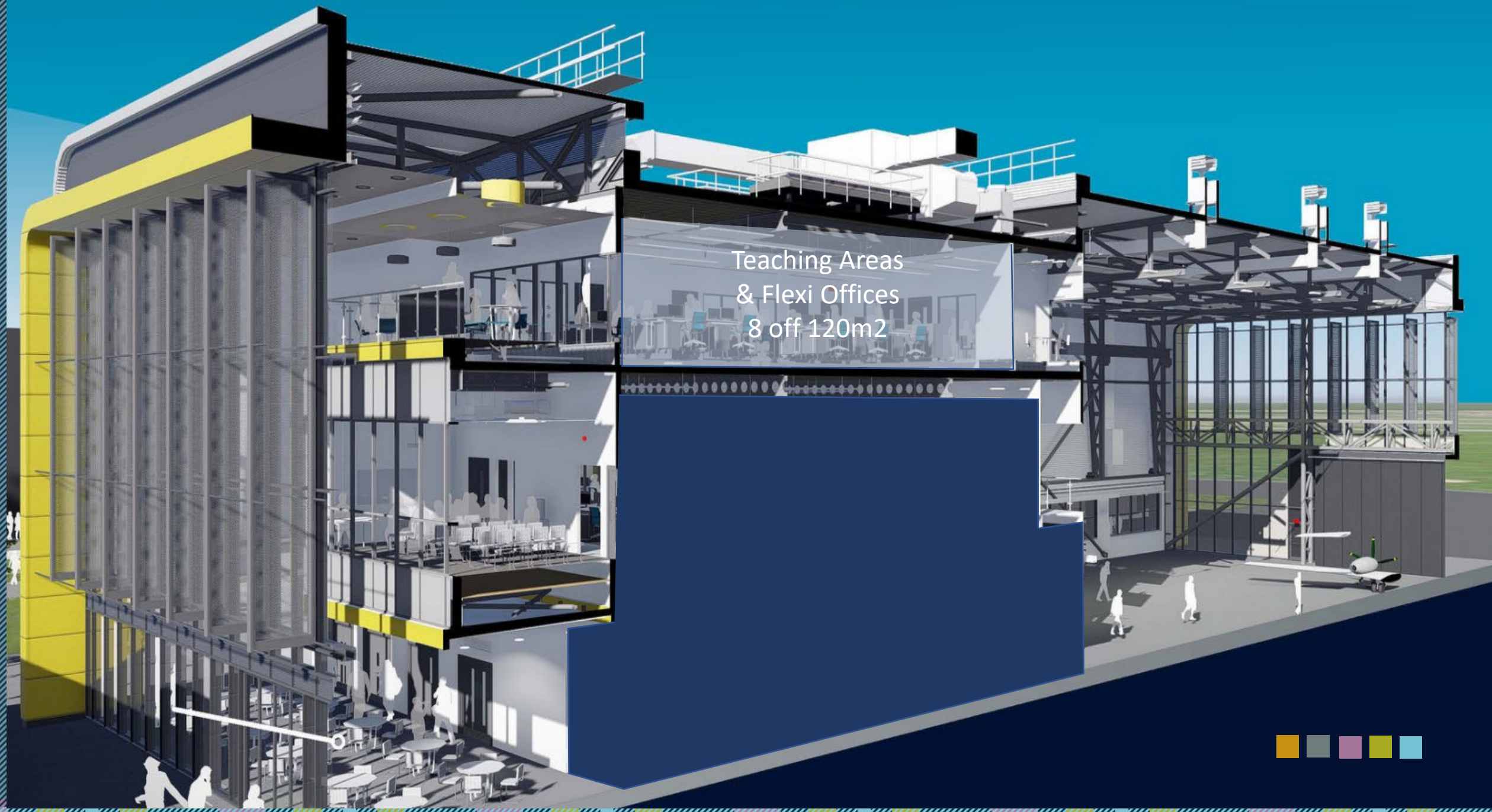
TECHNOLOGY FOCUS

- Automation of processes for MRO workflow (current & future)
- Augmented Reality, Virtual Reality, Digital Twinning to improve productivity, accelerate and augment digital training and competitiveness
- Rapid scanning of space structures and propulsion assemblies
- Showcasing capability in the region to attract inward investment and increase its R&D footprint
- Automated application of new materials (especially those with an environmental focus)
- Surface Technologies (treatments, coatings, processes), expertise and equipment
- Potentially, the attraction of new capabilities to Prestwick of additive and sustainable technologies
- Supply chain development
- Test facilities (components, sub-assemblies and whole structures)

Hanger 2000m2

Technology Application / Training
/ Process Development Area
5 off 200m2

Digital/ VR
200m2


Teaching Areas
& Flexi Offices
8 off 120m2

PILOT PROJECTS

Established following £2million investment from Advancing Manufacturing Challenge Fund

SUPPLY CHAIN AEROSPACE - SCA

- Helps SMEs to enter the aerospace and space sectors by improving their productivity and competitiveness through the introduction of innovative manufacturing technologies, via the National Manufacturing Institute Scotland (NMIS).

- Works with Original Equipment Manufacturers (OEMs) and Tier One suppliers to identify supply chain opportunities for SMEs to join the aerospace and space sectors, or grow their contribution.

AEROSPACE DIGITAL VISUALISATION SUITE- ADVS

- Offers SMEs access to innovative Extended Reality (XR) technology to help them enter or expand their presence in the aerospace sector.
- Uses cutting edge Virtual Reality (VR) and Augmented Reality (AR), and digital visualisation to help companies innovate, develop skills and improve productivity.

SKYPATH
AERO TRAINING CENTRE

- Opened in 2021 at Prestwick Aerospace to meet demand for skills in aircraft decommissioning.
- Now offers a variety of training courses, delivered by Ayrshire College and local industry.
- Provided free of charge to all participants.

CHEVRON TECHNICAL SERVICES & AIRCRAFT MAINTENANCE

University of Strathclyde Glasgow

NMIS National Manufacturing Institute Scotland

Ayrshire College

South Ayrshire Council Comhairle Siorrachd Àir a Deas Making a Difference Every Day

Scottish Funding Council Promoting further and higher education

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UK Government

The Scottish Government
Riaghaltas na h-Alba

North Ayrshire Council
Comhairle Siorrachd Àir a Tuath

South Ayrshire Council
Comhairle Siorrachd Àir a Deas

East Ayrshire Council
Comhairle Siorrachd Àir an Ear