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FIRST EVEREST - NOW SPACE

Pioneering Aviation since 1933

[History](#)



PRESTWICK
SPACEPORT

55°2028 N 4°3525 W

Click to Navigate



RUNWAY



WEATHER



INDUSTRY



TRANSPORT



AIRSPACE



FACILITIES



SKILLS



TOURISM

- ✓ Airfield
- ✓ Runway
- ✓ Facilities
- ✓ Heritage
- ✓ Home

Airfield – Key Facts



- ✓ Two major runways-2,987M (12/30) and 1,989M (03/21)
- ✓ Asphalt over concrete on 12/30 and hardstanding
- ✓ 24 hour Approach Radar Service with SSR
- ✓ NDB
- ✓ NDB / DME - ILS / DME
- ✓ Category I instrument runway 12/30 with centre line lighting
- ✓ Category I visual runway 03/21
- ✓ 24-hour RFFS Category 7 (upgrades to 8/9 available at short notice)
- ✓ Ample areas available for aircraft parking
- ✓ Ground service equipment available for all current commercial aircraft
- ✓ Fuelling service (Air BP/GPIA) Fuel grades :AVGAS 100LL,AVTUR Jet-A1
- ✓ Consistently reliable weather record
- ✓ Minimal noise restrictions
- ✓ Unobstructed approaches over sea and countryside with low population density

- ✓ Airfield
- ✓ Runway
- ✓ Facilities
- ✓ Heritage
- Home

Substantial Concrete Airfield



- ✓ Full length concrete base to main runway, old cross runway original taxiways and hard standing
- ✓ New cross runway is asphalt
- ✓ Current asphalt wearing surface over the concrete
- ✓ Concrete is non reactive with rocket fuel oxidisers – whereas asphalt ignites in contact with rocket fuel oxidisers

- ✓ Airfield
- ✓ Runway
- ✓ Facilities
- ✓ Heritage
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Facilities



- ✓ Full service international airport
- ✓ Cat 7 Fire Service
- ✓ 24hr ATC Cover
- ✓ Heavy duty hardstanding (PCN100)
- ✓ Fuel depot storage and supply
- ✓ 24 Hr Ground Handling
- ✓ 24 Hr Passenger Handling
- ✓ UK Border Force
- ✓ HM Customs & Excise
- ✓ Bonded Freight Handling Facility
- ✓ Extensive MRO capabilities

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Pioneering Heritage



- ✓ Generations of broad based aerospace technical skills and passion
- ✓ A complete community built around a pioneering aviation industry
- ✓ Proud heritage, universally supported across the political and social spectrum

“A busy and prosperous strategic anchor for economic growth and delivery in Ayrshire and Scotland”

Prestwick Strategic Vision 2014

- ✓ History
- ✓ Founders
- ✓ Everest
- Home

History



- ✓ *Founded in 1935 by Grp Cpt DF McIntyre & The Duke of Hamilton – the first pilots to fly over Mount Everest in 1933.*
- ✓ *Location selected due to exceptional microclimate caused by unique peripheral topography.*
- ✓ *Pre war flying training and the main military ferry tech stop for incoming US and Canadian aircraft during WWII – substantial airfield infrastructure development.*
- ✓ *Broad support industrial base developed in the area.*
- ✓ *Scottish Aviation formed to conduct MRO and conversions during WWII and launched Twin Pioneer and Prestwick Pioneer aircraft in post war era, followed*
- by Bulldog and Jetstream*
- ✓ *Airport absorbed by BAA in 1953*
- ✓ *Scottish Aviation nationalised into British Aerospace in 1977*
- ✓ *Airport privatised in 1992 focussing on regional commercial traffic, FBO, airfreight and MRO activities.*
- ✓ *Purchased by the Scottish Government in 2013 to grow as a diversified strategic aviation asset.*

- ✓ History
- ✓ Founders
- ✓ Everest
- ✓ Home

Founders



- ✓ *Group Captain DF McIntyre and The Marquis of Clydesdale*
- ✓ *Led 602 City of Glasgow Squadron at Renfrew in the 1920's*
- ✓ *First pilots to fly over Mt Everest in 1933 during the Houston Everest Expedition*
- ✓ *Founded Prestwick Airport in 1935*
- ✓ *Founded Scottish Aviation (now part of BAE Systems and Spirit AeroSystems)*
- ✓ *Founded Scottish Airlines*

- ✓ History
- ✓ Founders
- ✓ Everest
- ✓ Home

1933 Everest Expedition



- ✓ Pioneering high altitude flight in 1933
- ✓ Open cockpit Westland Wallace biplanes
- ✓ Developed use of oxygen in high altitude flying
- ✓ Special fuel development
- ✓ Electrically heated flying suits developed specially for the flight
- ✓ Prestwick Airport was founded by the two pilots, McIntyre & Clydesdale

It takes being a Pioneer to understand the needs of Pioneers

☑ Meteorology

☑ Weather

🏠 Home

Meteorology



Over Sea take-off path from Prestwick over the Firth of Clyde
(view from Carrick Hill)

- ☑ Set in a natural topographical bowl – distant high ground on all sides lifts and dries the incoming air mass – the Fone effect
- ☑ Fone effect creates warm clear microclimate centered on Prestwick
- ☑ Best VFR record of any UK commercial airport – UK primary strategic diversion airfield
- ☑ Consistently high cloud base and fog free record
- ☑ American ferry pilots in WWII navigated to “the hole on the sky” at Prestwick

Meteorology

Weather

Home

Weather



View of Arran from Troon shore

- Stable clear air microclimate
- High cloud base and reliable VFR conditions
- Low rainfall

Airspace



- Prestwick clear of main military and civil air corridors
- Ready segregation from high altitude transatlantic corridors
- NATS Northern Control based at Prestwick



- Turnberry
- Troön
- Burns
- Whisky
- Castles
- Edinburgh
- Glasgow
- Gleneagles
- St Andrews
- The Isles
- Home

Trump Turnberry



5* Premier Open Championship Golf Hotel and Spa

An iconic landmark on the spectacular Ayrshire coastline, Turnberry is the world's original golf resort with over a century of hospitality and tradition. It is a place where championship golf, award winning cuisine, family adventures and a relaxing spa await your discovery.

Royal Troon



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- Open Championship Golf Venue – venue for the 2016 Open Championship
- Home of the Open's longest and shortest holes
- Part of Ayrshire's golden golfing coastline

Robert Burns



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- Scotland's National Bard
- Born in Alloway in the Southern outskirts of Ayr
- Premier visitor attractions throughout the area celebrating his life and works

Single Malt Whisky



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- The amazing Scottish Malt Whisky industry
- An unparalleled 5* visitor experience throughout Scotland
- Visit Islay's 8 unique malt distilleries - an executive VIP experience accessible directly from Prestwick

Castles and Heritage



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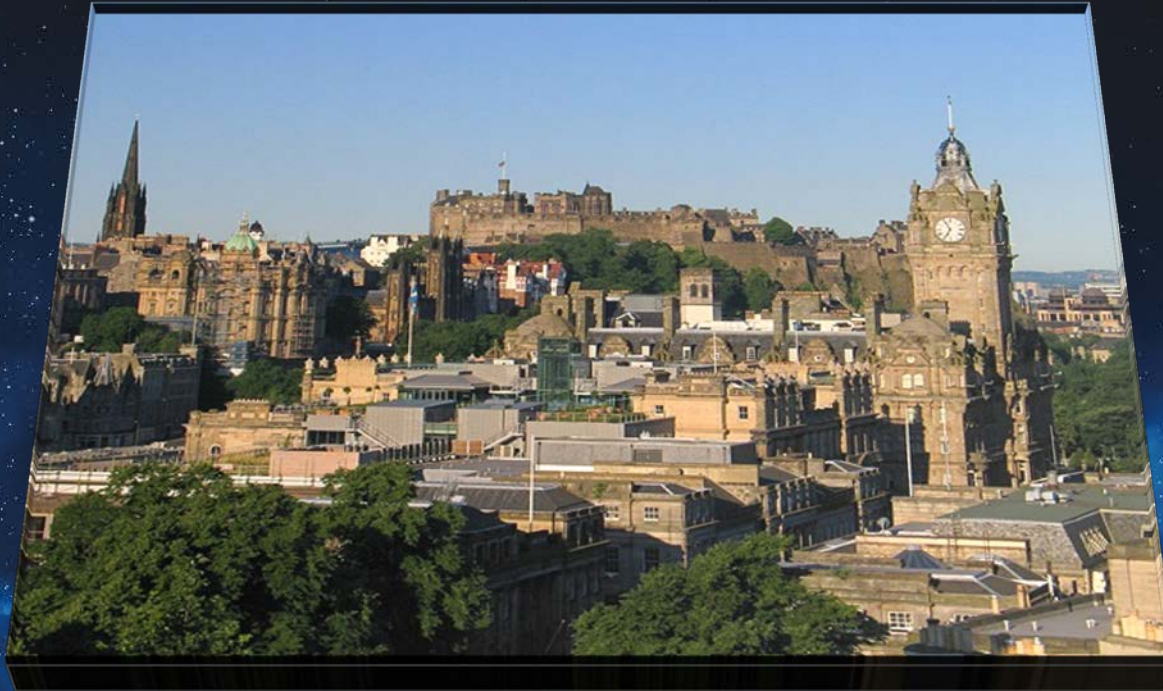


- Premier heritage and visitor experiences
- Ancient castles and historic tours throughout Scotland
- The Eisenhower Suite at Culzean (above), just 10 miles from Prestwick, was gifted to the General in recognition of his role as Supreme Commander of Allied Forces in Europe during WWII

Edinburgh



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- Iconic ancient capital city
- Extensive deep history and heritage
- Dramatic ancient architecture
- Vibrant cosmopolitan experience
- The ultimate 5* premier visitor city

Glasgow



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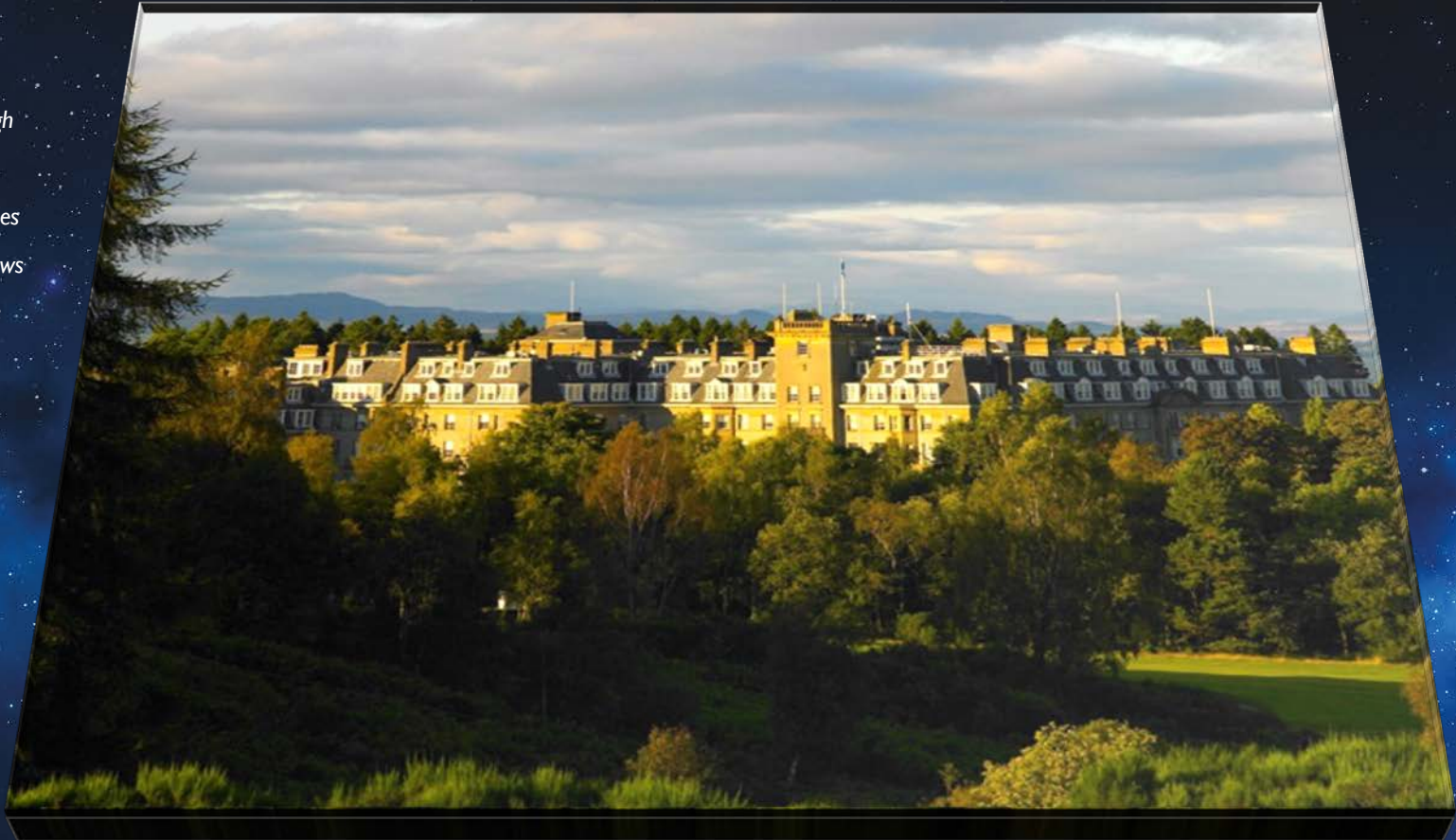


- Setting for the 2014 Commonwealth Games
- Vibrant industrial and commercial city
- Historic university town
- Centuries of engineering heritage
- 30 minutes from Prestwick by car
- Direct rail connections from the airport terminal



Gleneagles

- Turnberry
- Troon
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- Castles
- Edinburgh
- Glasgow
- Gleneagles
- St Andrews
- The Isles
- Home



- Premier 5* Golf resort and Spa
- Host to the 2014 Ryder Cup
- World Class - 2 Michelin Star Cuisine by Andrew Fairlie

St Andrews



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- The Isles
- Home



- The home of golf
- Venue for the Open Championship 2015
- Premier 5* visitor experience

Western Isles



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- St Andrews
- The Isles
- Home



- Stunning ancient scenery*
- Michelin Starred Restaurants*
- Skye – where Bonnie Prince Charlie retreated after Culloden*
- Harris and Lewis – unspoilt sand, surf and sea air*
- Mull, Arran, Benbecula – and a host of 5* private islands and retreats*

Industry – On Airfield



- On-Airfield
- NATS
- HMS Gannet
- Bristow
- Spirit
- UTC
- GE Caledonian
- BAE SYSTEMS
- Local
- Regional
- Skills
- Research
- Home



- Glasgow Prestwick Airport has a wide range of properties available for lease
- Existing 747 Hangar available now
- Land available for bespoke developments free of local authority planning constraints
- Dedicated onsite freight service
- Onsite Fixed Based Operator

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NATS Prestwick



Strategic Air Traffic Control based at Prestwick

- Manchester Area Control Centre (MACC), which controls aircraft over much of the north of England, the Midlands and north Wales from 2,500 feet up to 28,500 feet.
- Scottish Area Control Centre (ScACC), which controls aircraft over Scotland, Northern Ireland, Northern England and the North Sea from 2,500 feet up to 66,000 feet.
- Oceanic Area Control Centre (OACC), which controls the airspace over the eastern half of the North Atlantic from the Azores (45 degrees north) to a boundary with Iceland (61 degrees north).

HMS Gannet



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- Royal Navy Search and Rescue Base*
- Covers an area of 98,000 Square miles with 3 helicopters*
- Offers a host facility for UK & US military jets transiting across the Atlantic.*
- Provides emergency support to the UK Armed Forces in Scotland and the North Atlantic*

Bristow Helicopters



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- Bristow Helicopters have invested £7 million in a new purpose built Search and Rescue Facility on the Prestwick Airport Site.
- The anticipated go live date for the service is 1st January 2016
- Bristow will operate two helicopters from the site covering a radius of operation of over 200 nautical miles
- Bristow will provide search and rescue services throughout Scotland, Northern England and Northern Ireland.

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Spirit AeroSystems



- Spirit AeroSystems (Europe) Limited is based at sites at Prestwick in Ayrshire and Preston, Lancashire. The Prestwick site is home to around 900 employees. An additional 70 staff are based at Preston in Lancashire. Spirit purchased the facility from British Aerospace in 1996 and its history can be traced back to the foundation of the airport and the formation of Scottish Aviation Limited.*
- The facility in Prestwick currently produces structural components, chiefly on wings, for the Airbus A320, A330, A340, A380 and A350 families of aircraft. The facility also produces wing components for the Boeing 787 and 777.*
- The site provides customers in the commercial aerospace market with airframe structures. At manufacturing and engineering levels this involves producing leading and trailing edges for Airbus wing assemblies and leading edge production for Boeing wings.*



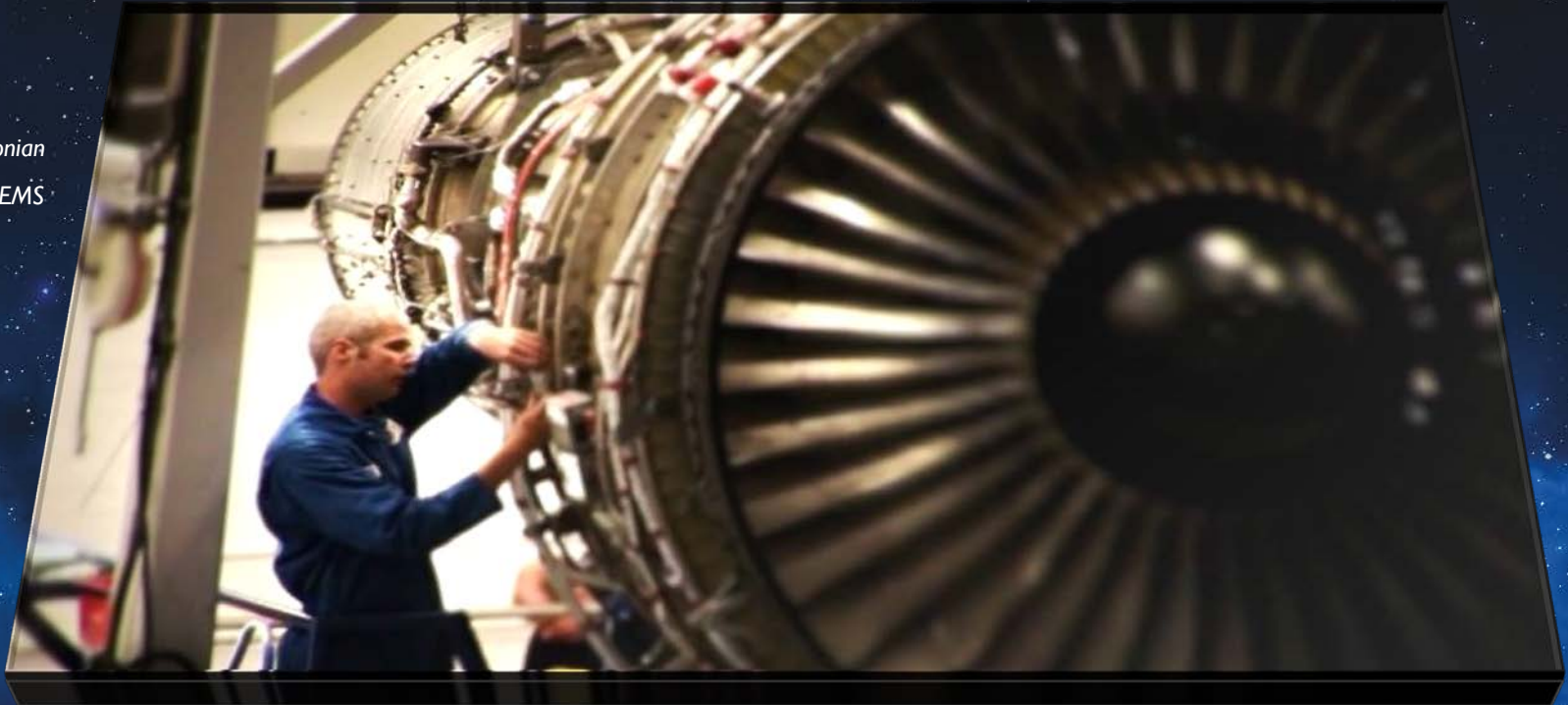
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- UTC Aerospace Systems is one of the world's largest suppliers of technologically advanced aerospace and defense products. We design, manufacture and service systems and components and provide integrated solutions for commercial, regional, business and military aircraft, helicopters and other platforms. We are also a major supplier to international space programs.*
- UTC Prestwick specialises in high technology repair and overhaul including advanced composite structures.*

- ✓ On-Airfield
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GE Caledonian



- ✓ GE Caledonian at Prestwick is a full service aero engine overhaul facility originally established in 1980 with decades of experience and skills in critical aero engine support.
- ✓ Our worldwide service network and resources provide the highest level of customer service and world-class performance and reliability with OEM materials and repairs to return your engines to revenue service faster, while reducing your overall cost of ownership.
- ✓ We customize each engine overhaul agreement to provide the best and most comprehensive support, while optimizing the total package to meet customer operational and financial targets. So, whether you are looking for a short-term "time and material" (T&M) overhaul or a longer-term collaborative, consultative arrangement, GE has a solution that meets each operator's evolving business requirements.

BAE SYSTEMS Regional Aircraft



- On-Airfield
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- Based at Prestwick BAE SYSTEMS Regional Aircraft remains one of the few companies to offer a complete range of services for the aviation market.
- Our offering includes nose to tail parts and maintenance support, and a complete commercial aircraft design and engineering capability.
- With a long established capability in aviation design and development, our engineering expertise makes us one of the few companies able to offer Total Support to new or existing airlines whatever their fleet size or location.

Industry – Local Incentive & Enterprise Areas



- On-Airfield
- NATS
- HMS Gannet
- Bristow
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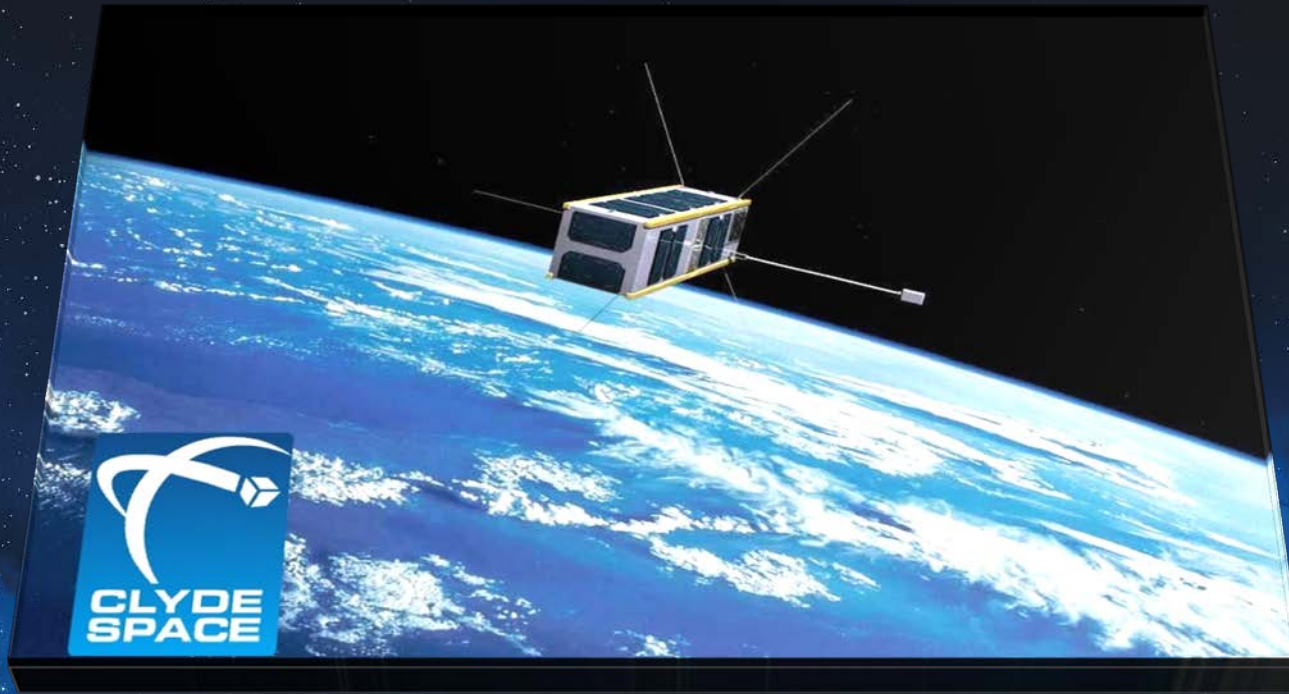


- Prestwick is home to the International Aerospace Park. A 34 hectare site with excellent communications infrastructure.*
- Easily accessible by road and rail*
- UTC Aerospace, BAE Systems, GE Caledonian and Spirit Aerosystems all have a major footprint on the site*
- The Aerospace Park benefits from Enterprise Area status and offers a wide range of incentives to new tenants*
- Streamlined approach to planning*
- High speed broadband*
- Business Rates discount of £55,000 per year.*
- Established centre of excellence for Maintenance, repair and overhaul (MRO), Aerostructures and Design Engineering*
- Developing Local Space Industry*

Industry – Regional



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- Scotland has the largest community of Space Industry Employees outside London & South East
- Thriving Space community
- Dedicated Network Integrator tasked with developing space industry in Scotland
- Local Industry design partners
- Developed industrial property all across the central belt
- Excellent transport links to two major International airports, sea ports and rail.
- Growing manufacturing industry

Skills & Capability



- On-Airfield
- NATS
- HMS Gannet
- Bristow
- Spirit
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- GE Caledonian
- BAE SYSTEMS
- Local
- Regional
- Skills
- Research
- Home



- Skilled and ready workforce
- Easy access to academia, industry and government
- Excellent transport infrastructure ease of doing business
- Scotland has the Highest Average level of education outside of London
- Generations of Aviation employment in the local area
- Committed and motivated workforce
- More engineering graduates than any other region of the UK
- Over 8,000 engineering undergraduates within 50 miles of Prestwick
- Close to Edinburgh Astronomy Technology Centre.
- University of Glasgow
- University of Strathclyde
- University of the West of Scotland

Tertiary Education & Research



- ✓ On-Airfield
- ✓ NATS
- ✓ HMS Gannet
- ✓ Bristow
- ✓ Spirit
- ✓ UTC
- ✓ GE Caledonian
- ✓ BAE SYSTEMS
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- ✓ Research
- ✓ Home



- ✓ Major Local University Space Programmes at Dundee, Glasgow, Strathclyde and Edinburgh
- ✓ Over 8,000 engineering undergraduates within 50 miles of Prestwick
- ✓ Local Aerospace Engineering a specialism at University of West of Scotland

Transport Links



Connected and Accessible

- ✓ *Direct connection to the national motorway network*
- ✓ *Onsite passenger rail station*
- ✓ *Onsite rail freight siding*
- ✓ *2 deep sea ports within 5 miles*
- ✓ *Glasgow Airport 40 mins, Edinburgh Airport 1 hr 13mins by car*