SPACEPORT UK
A NEW FRONTIER FOR GROWTH & ENTERPRISE

Leuchars Airport, Fife
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Fife means business.
Introducing Fife

- Edinburgh City Region
- Population 367,260
- Third largest council in Scotland, after Glasgow and Edinburgh, c. £800M budget
- Within easy reach for 45% of Scotland’s population
- Accessible for Scotland’s top Universities

Fife means business.
Selection Criteria

• Existing runway on military aerodrome
• Away from densely populated area, coastal
• Environmental requirements met
• Weather conditions acceptable
• Accessible for staff and visitors

Fife means business.

St Andrews enjoys more annual hours of sunshine than London - an excess of 1,500 hours a year amongst the highest for Scotland and lower annual rainfall than Paris.
Spaceport and Economics

a) advancement of science and innovation;
b) growth of the aerospace sector including stimulating jobs in the wider supply chain;
c) synergy or support to existing economic usage of the spaceport location;
d) promotion of high level skills;
e) spin-off benefits such as tourism or other jobs related to spaceplane operations;
f) deliverability.

- Close to centres of academic excellence in Scotland
- BAE, Raytheon and Rolls Royce are in Fife. Space sector in Scotland doubled in last 3 years
- Maintains runway for RAF diversion. Locally strong engineering, electronics and advanced manufacturing
- Aligns with local STEM investment
- A new attraction for strong international tourism industry close to new V&A in Dundee
- Invest In Fife will target operator/investors and has record of delivering

Fife means business.
IIF Investment Delivery

Final turnout for 2014/15 as follows

- **104** Total Enquiries
- **10** Projects
- **245** New Jobs
- **318** Jobs Safeguarded
- **£67.7M** Investment

10 year average
570 jobs p.a
£80.2M investment p.a

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Spaceport and Economics

Scotland’s space industry is significant, and leads the line globally in the nascent field of nanosatellites (particularly CubeSats). London Economics in a report for Scottish Enterprise

- **Aerospace, Defence and Marine sectors in Scotland:**
  - 744 companies
  - employing 38,408 people
  - generating £5.56bn

- **Scottish space economy in 2014:**
  - £134.1m equivalent to 1% of UK
  - Estimated to achieve 9% of UK by 2030
  - - and 10% of UK if the Spaceport comes to Scotland

**Fife means business.**
Scotland’s Space companies

Invest in Fife
Leuchars

- St Andrews (Leuchars) Airport runway length of 2588m.
- Runway could extend to 3,500m
- The cross runway 04/22 is 747m long and 43m wide.
- The runway remains a relief landing field for RAF

History
- 1911 Balloon squadron of the Royal Engineers training camp
- 1918 Designated a Naval Fleet Training School
- 1920 Formally named ‘Royal Air Force Leuchars
- 1935 Home to Number 1 Flying Training School
- 1950 Passed from Coastal to Fighter Command with Meteors of 222 Squadron
- 1960’s Lightning and Phantom aircraft (from 1969)
- 2003 Base for the Tornado F3 Conversion Unit
- 2010 The first Typhoon fighter squadron in Scotland
- 2015 RAF leave and it becomes an army base
- 2020 Horizontal Satellite Launcher?

Fife means business.
St. Andrews and Dundee

- 600-years-old, the oldest university in Scotland
- Third oldest university in English-speaking world
- Within the top 1% of world universities.
- Highest ranking Scottish University 2016 (The Times and Sunday Times University Guide)
- Third best university in the UK (2016 Guardian University Guide)
- 45th top university in the world (2015 CWTS Leiden Ranking)

The Space Technology Centre at Dundee University has been involved in world leading work on spacecraft technology for over a decade. Its main research areas are:
- spacecraft onboard data handling
- planetary lander technology
- satellite data reception

It works with organisations including:
- European Space Agency (ESA)
- Japan Aerospace eXploration Agency (JAXA)
- NASA
- RosCosmos and St Petersburg University of Aerospace Instrumentation

Fife means business.
Spaceport 2020

Fife means business.

St. Andrews
“European Spaceport”
Revenue Generation

Spaceports in the US are run by specialist operators who develop multiple revenue streams. It is likely that a similar model will be used in UK

- Launch charges
- Business Incubator
- Meeting and conference centre
- Space Museum
- Space Education centre
- Visitor Attraction
- Merchandising

Fife means business.
To boldly go……

Fife means business.

From St Andrews!
INVEST IN FIFE

Invest in Fife offers a single door approach to working with inward and mobile investment projects and has a proven track record in securing new business, jobs and investment for the region.

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