

Green Datacentres and Digital Connectivity – Opportunities for Ayrshire

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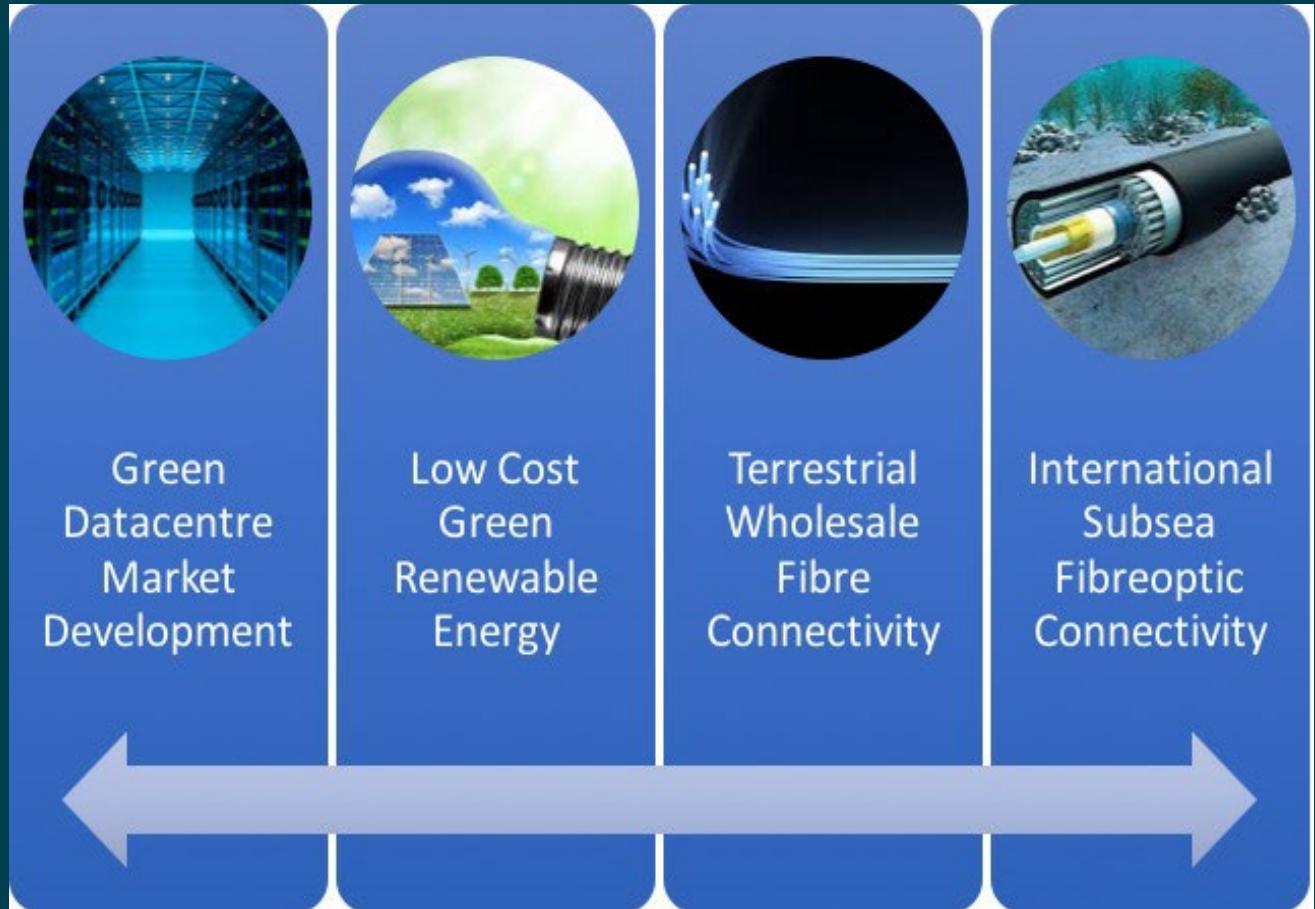
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The Four Pillars

The Green Datacentre and International Connectivity Vision and Action Plan is built around four pillars:

1. A portfolio of different sized Scottish datacentres, from edge to hyperscale facilities, across geographic locations, delivering enhanced capacity and supported by a highly skilled workforce in Scotland;
2. Access to energy infrastructure that is robust, resilient, competitively priced and powered by renewable energy, generated in Scotland;
3. Multiple open access/dark fibre terrestrial fibre providers servicing urban, rural and island locations including direct links to Scotland's coastlines; and
4. Multiple subsea cable routes connecting Scotland directly to the European Union (EU), the European Economic Area (EEA) and the United States of America (USA).



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The importance of Datacentres and International Connectivity

Scotland must be capable of delivering:

- Artificial Intelligence (AI)
- Data Science (Data is the new oil)
- Autonomous Vehicles
- 5G
- The “Internet of Things” (IoT)
- Spaceports
- eSports

in order to keep pace with our neighbours in the UK and Europe. Datacentres underpin all of these things.

International Subsea fibre cables are essential to:

- Developing data hosting and compute capabilities.
- Attracting major economic inward investment.
- Providing the responsive connections needed for FinTech & Telemedicine applications.
- Ensuring that Scotland has resilient Critical National Infrastructure
 - Recent disconnections in Greenland and Tonga show that resilient international connections are a “must have”.



Where does Ayrshire fit in?

Host in Scotland has identified a Shortlist and Longlist of potential new datacentre sites across Scotland, including 2 in Ayrshire.

For these sites to be developed as datacentres, the industry need to know there is sufficient demand to justify the expense of setting them up.

SITE SHORTLIST SUMMARY MAPPING

- 1 Arnish, Na h-Eileanan Siar
- 2 Blackhillock, Moray
- 3 Chapelcross, Dumfries and Galloway
- 4 Cockenzie Power Station, East Lothian
- 5 Dounraey, Highland
- 6 Fearn Airfield, Highland
- 7 i3, Irvine, North Ayrshire
- 8 Machrihanish, Campbeltown, Argyll and Bute
- 9 Meygen Data Centre, Caithness, Highland
- 10 Michelin Scotland Innovation Park, Dundee
- 11 Peel Ports Hunterston, North Ayrshire
- 12 Pyramids Data Centre, Bathgate, West Lothian
- 13 Queensway Park Data Centres, Fife
- 14 Scatsta Airport, Shetland Islands
- 15 Zero Four, Montrose, Angus



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