



S5GConnect

S5GConnect Programme

Purpose, Mission, Vision, Impact, Services

www.scotland5gcentre.org.uk

S5GConnect Dumfries

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S5GConnect
Dumfries



The Scotland
5G Centre



The Crichton
Trust



SOUTH of
SCOTLAND
ENTERPRISE

The Evolution of the G's

1G
1983

Wireless
Phone Calls



2G
1990

Basic Texting,
Email and
Gaming



3G
2001

Access to Web
and Stream
Videos



4G
2010-21

HD Streaming
and Video Calls



5G
2019

Smart Cities, IoT,
remote robotics ,
autonomous cars





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Why is 5G Important?

Challenges

- Ageing populations
- Rural and distributed people
- Expansion of cities
- Climate Change
- Net 0 Obligations
- Rapid pace of change
- Financial Constraints





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Where are we now?

- **Liverpool** 5G Consortium are developing a private, independent 5G network for **delivering public services**.
- No Charge to residents.
- Remote monitoring available to all.
- Health services, care homes, supported living, and home care can access for free (or less than current costs), freeing up spend for frontline services.





West Midlands 5G and BT Connected Ambulance

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Saving Time & Lives:

- Ambulance paramedics send vital signs & high resolution images
- Real time diagnosis via reliable and secure video calls

Optimising Treatment Time:

- Doctors receive diagnostic examinations prior to patient arrival
- Support urgent case triage pre A&E arrival

Faster Information Access to Support Early Diagnosis:

- Use of AR-equipped glasses.

Reduce Hospital Visits

- Increase capabilities for on site treatment where appropriate.



S5GConnect Impact



Attract Investments

The growth of 5G throughout the world is increasing and Scotland aim to be one of the leading nations of adopting 5G which will attract investment into Scottish businesses both in rural and urban areas from across the globe.



Create more products, skills, services and jobs

5G will open many doors by creating new jobs, services, skills and products into Scottish businesses, attracting new talent across the globe and investing in future generations.



Galvanise the 5G Ecosystem

5G comes with many possibilities and offers solutions to combat climate change and new innovative ways in protecting Scotland's natural environment.



Drive Innovation and Growth

5G will offer new solutions to Scottish business which will encourage new ways of thinking. It will help business to evolve with the times, driving innovation and growth throughout the world.



Accelerate the demand for 5G

Scottish Businesses will be the leaders of a new era in technology and will be the first to accelerate the demand for 5G in Scotland and throughout the world and be leading pioneers.



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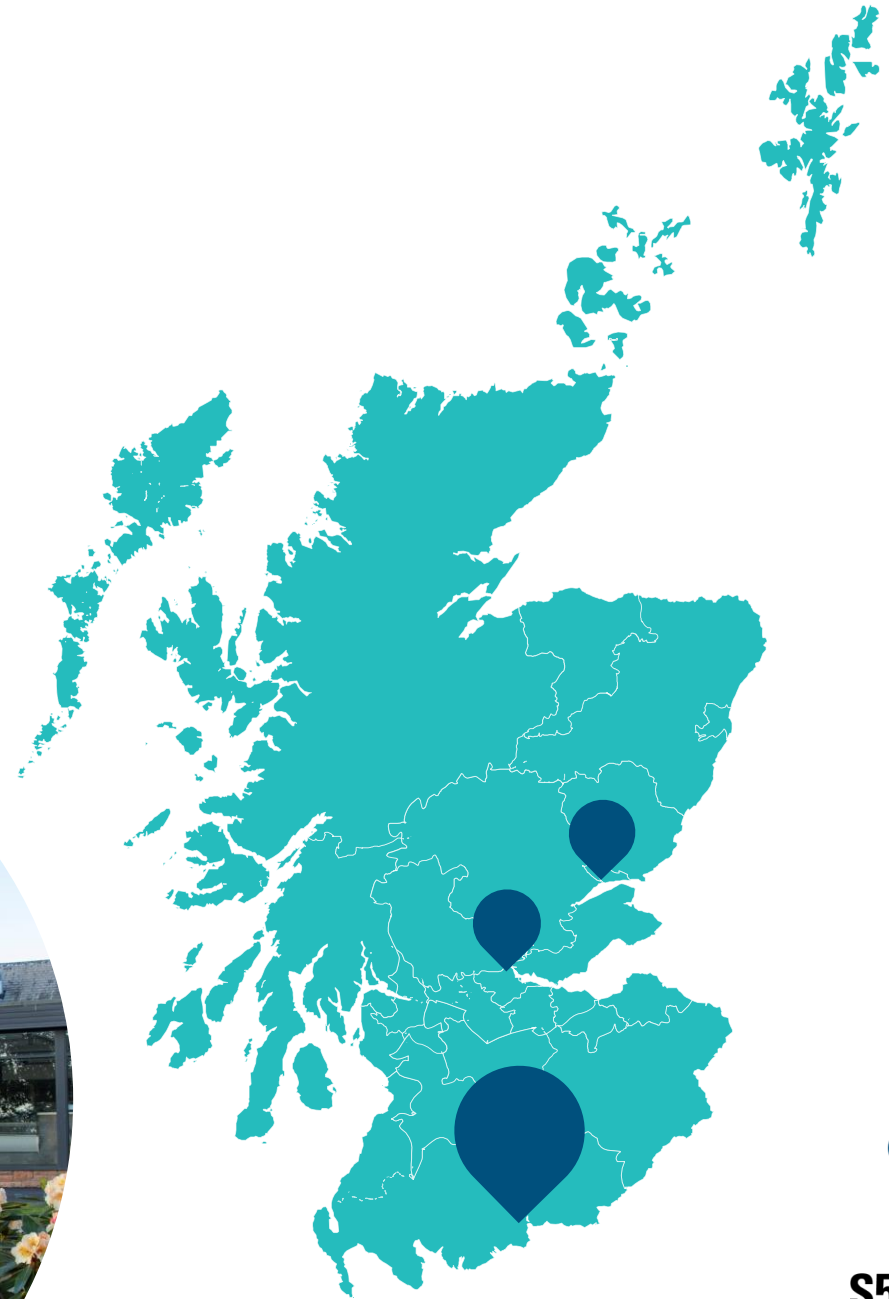
5G Testbed

- safe space for innovation in a sandbox environment
- opportunity for SME's to test products, services and solutions on a live, albeit closed, network.
- opportunity for SME's to understanding of the benefits of 5G in key industry sectors.
- Increasing demand for 5G in locations and accelerate 5G infrastructure deployment across Scotland.



Current Innovation Hubs

- **Dumfries**
- Dundee
- Forth Valley





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Dumfries Hub Services

Business Services – Awareness Phase

- Partner Matchmaking & Introductions
- 5G Education Events
- 5G Funding Advice
- Private 5G Network Advice
- Project Scoping

5G Innovation Services – Evaluate & Enable

- Access to our private 5G network (Testbed)
- Access to devices and equipment
- 5G Development Workshops
- 5G Business Development & Cost Modelling Support
- Consultancy to support prototyping and testing on site
- Expert advice through your 5G journey





S5GConnect

Get Involved!

- Learn
- Connect
- Innovation



Events

Look out for S5GC events happening near you by visiting scotland5gcentre.org/events

Contact Us

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Monthly Newsletter

Get the latest events and developments at the Scotland 5G Centre by signing up to our online newsletter.



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**Thank you
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Our Partners:

- The Crichton Trust
- South of Scotland Enterprise
- AWTG



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