

www.scotland5gcentre.org.uk

The Scotland 5G Centre

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The
Scotland
5G Centre

Realising Possibilities, Transforming Futures

The Scotland 5G Centre



- The national platform for accelerating 5G deployment and adoption, to realise its economic and social potential.

- Founding Partners



Scottish Government
Riaghaltas na h-Alba
gov.scot



University of
Strathclyde



University
of Glasgow

SCOTTISH
FUTURES
TRUST

4 Core Areas

1

Coverage

Enabling the development of new mobile solutions to improve coverage.

2

5G Support

Supporting organisations procure and deploy 5G networks.

3

Engagement

Demonstrating the value of 5G to businesses.

4

Investment

Supporting innovation and access to investment.



S5GC Objectives

Transform industry



Drive innovation and growth



Accelerate the demand for 5G



Create more products,
skills, services and jobs



Attract investment and
deliver economic impact



Who we are Working With

Public authorities & services



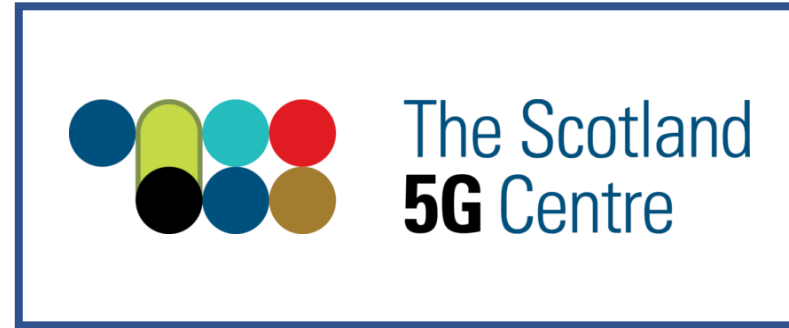
Academia



Other entities



Funders & Support organisations



Businesses & SMEs



MNOs & Equipment suppliers



Regional entities



Innovation Centres

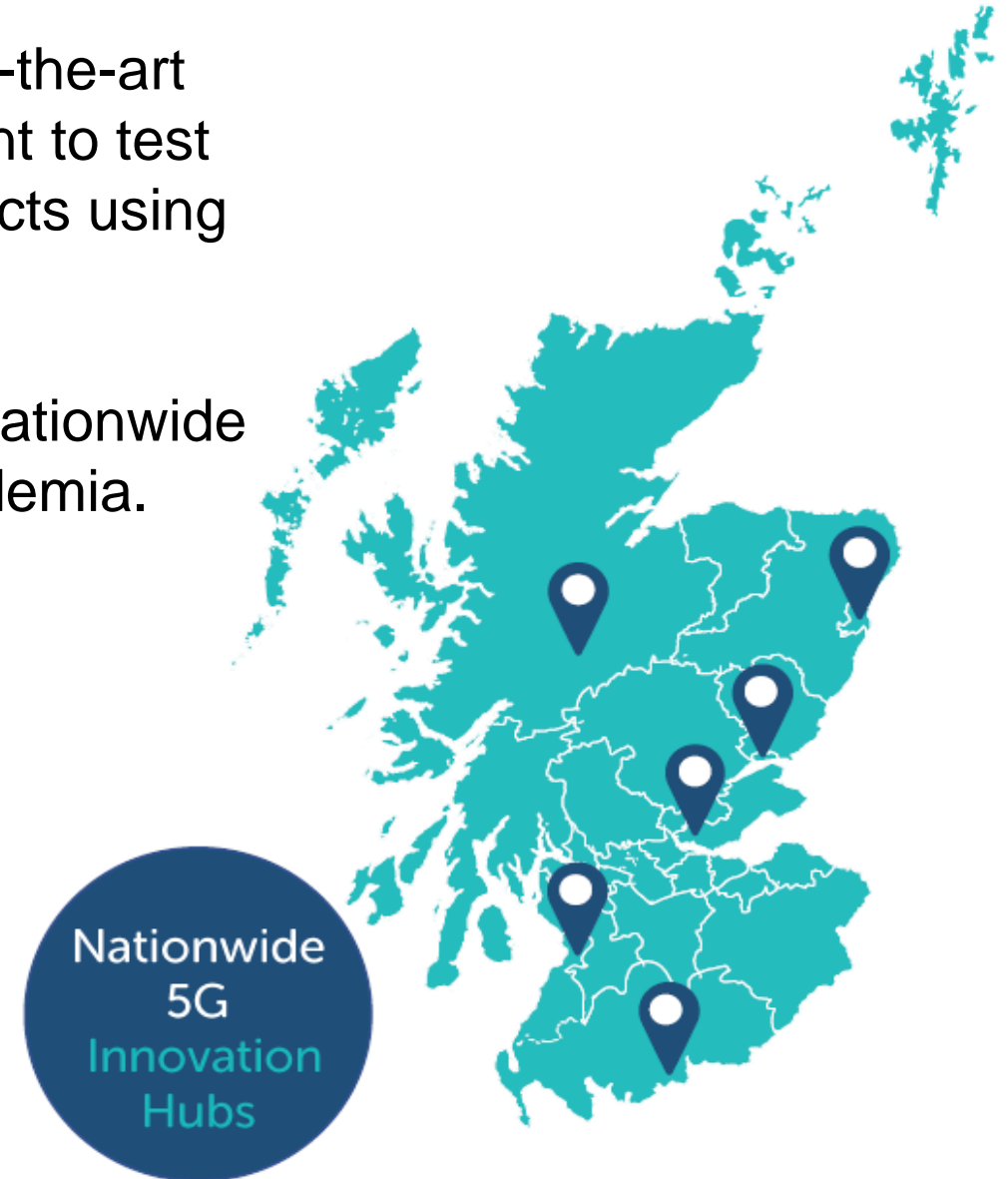


Incubators, Accelerators & Tech Scalers



S5GC Connect Hubs

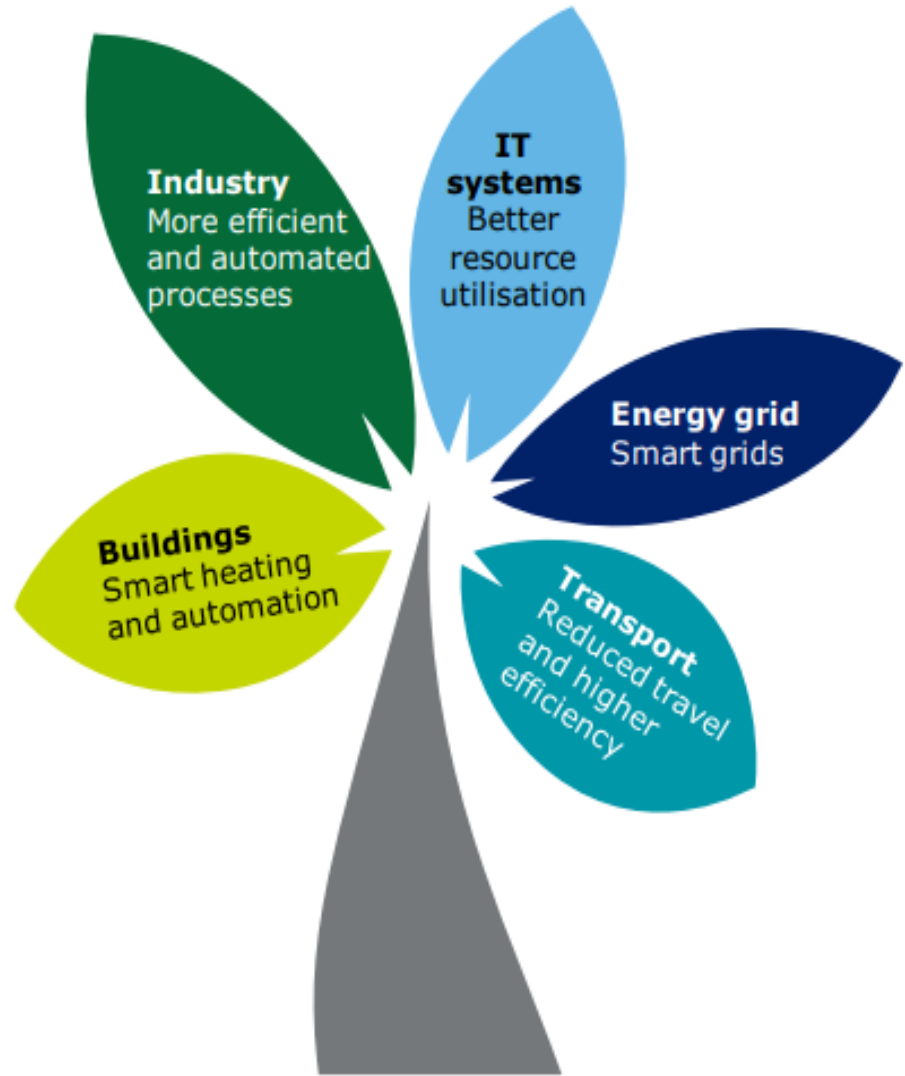
- Each of our innovation hubs has its own state-of-the-art private 5G testbed, offering a secure environment to test your systems, operations, services and/or products using our network.
- Our services are free at the point of delivery to nationwide private and public sector organisations and academia.
- Hubs locations:
 - Aberdeen
 - Dundee
 - Forth Valley
 - Kilmarnock
 - Dumfries
 - Highlands and Islands (mobile hub)



Start Your 5G Journey



Benefits of 5G for Business



Buildings
Wireless connectivity can enable sensor-based smart heating and cooling processes to reduce consumption, while smart appliances could automatically coordinate to optimize energy use

Industry
Automated processes in sectors ranging from manufacturing to agriculture can increase efficiency, reducing energy and resource usage

IT systems
Though more connected devices and sensors could increase energy use, 5G is expected to support higher energy efficiency, and related technologies such as cloud can reduce emissions compared to legacy IT systems

Energy grid
A smarter energy grid with wirelessly connected devices facilitates the integration of renewables and could allow real-time optimisation of demand and supply

Transport
Wireless connectivity reduces the need for travel and it can support smart traffic management, CAVs and ride-sharing, potentially reducing congestion

Our Partners' Innovation in 5G



- Using 5G to develop cost-effective connectivity solutions for remote and/or rural areas.
- Using Private 5G 'network in a box' for live TV broadcasts, named IBC Accelerator Project of the Year for 2022.



- Communication, Sensing and Imaging (CSI) Dept. is bringing new 5G technological solutions to communities and organisations throughout Scotland, with applications in robotics, healthcare, energy and education.



- Providing additional skills, resources and knowledge to public sector organisations, supporting them planning, funding, delivering and managing their digital projects.
- Infralink and Infralink Exchange projects are targeted to attract mobile industry to work with local authorities and invest in improved mobile coverage.

S5GC in DSIT Programmes

- Scottish Futures Trust's **Infralink Exchange**
- **FRANC 5GDU-Volution**
 - Funded partner, Programme Management role.
 - Support of UK 5G supply chain diversification strategy
- **UK Wireless Infrastructure Strategy - 5G Innovation Regions and SIPP**

Actively supporting Local Authorities to achieve objectives such as:

 - Scale adoption of advanced connectivity by businesses and public services
 - Accelerate commercial investment in 5G by demonstrating demand and economic impact
 - Enable activities that bridge the gap between trials and adoption.
- **UKTIN**
 - Working groups: Regions & Nations and Skills

Thank You

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