

www.scotland5gcentre.org.uk

5G Unwrapped: For Food, Drink & Agriculture Businesses

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The
Scotland
5G Centre

Realising Possibilities, Transforming Futures

The Scotland 5G Centre – Who we are

The Scotland 5G Centre **accelerates the deployment and use of 5G technology** in Scotland's private and Public Sector services.

Our remit is to **enable the substantial economic and societal benefits** provided by the application of 5G advanced wireless communication in Scotland.

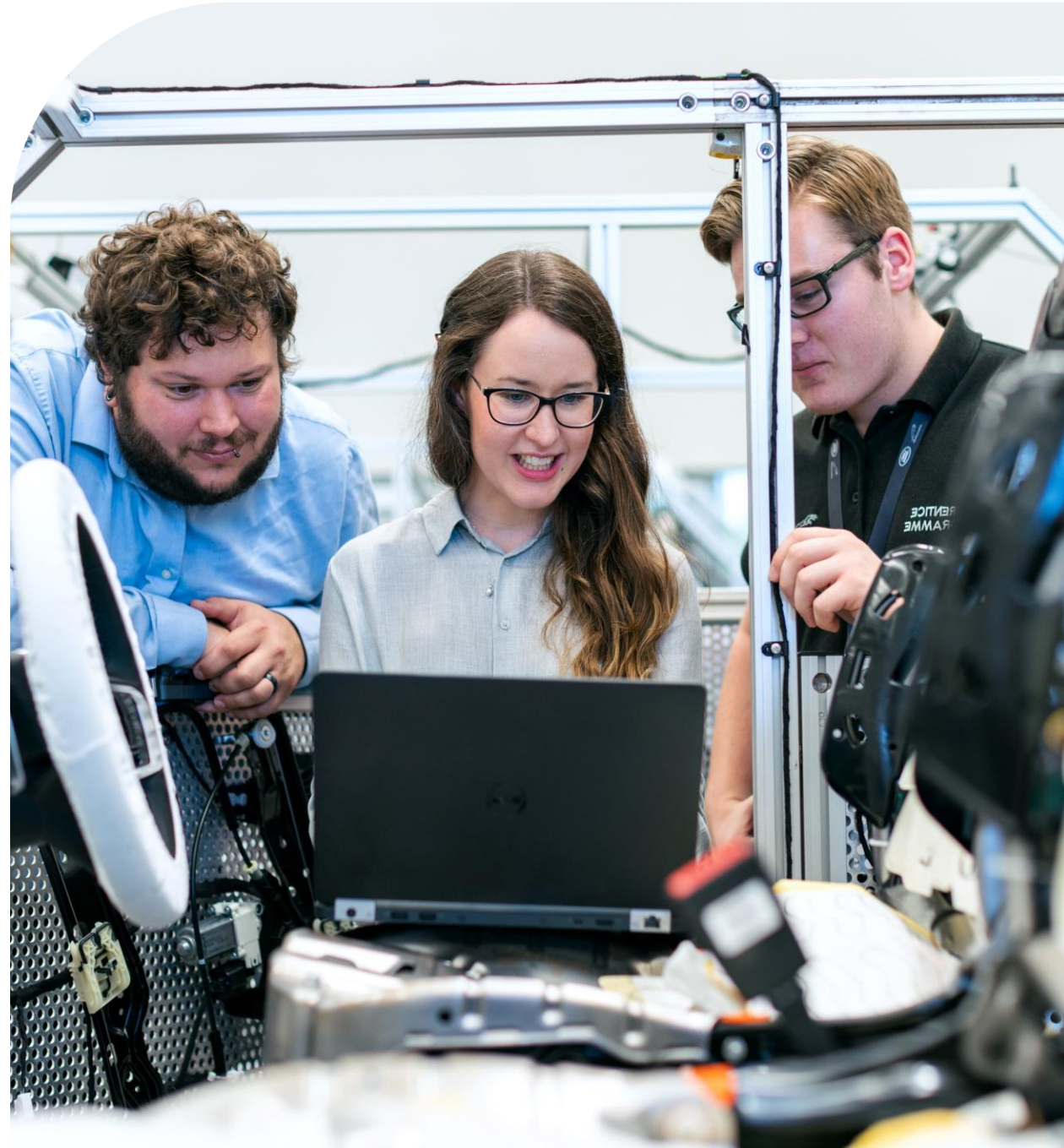


The Scotland
5G Centre



What do we do

- We manage a National Suite of **fixed and mobile 5G testbeds/innovation hubs**
- We showcase the power of **5G to improve business**
- We **provide access for Scotland's organisations** to test how 5G can improve their business,
- We work with **Scottish academic partners** to support new innovation, impact and funding opportunities,
- We are **part of Scotland's world leading innovation network** of support for industry, public sector and academia



The Scotland
5G Centre

The Scotland 5G Centre - Services



The
Scotland
5G Centre



Support

Take advantage of our impartial and expert advice - tailored to your business needs

- Access workshops and live demonstrations
- Find out more about how 5G can transform your business



Innovate

Work with us to develop 5G solutions to grow your business

- Work with our experts to look at solutions that will meet your needs, challenges and opportunities
- Test these solutions using our state-of-the-art private 5G testbed
- Get access to the latest industry applications including sensing technology and robotics



Collaborate

Work with us to put your ideas into practice

- We can connect your business to our extensive network of industry partners to deploy your 5G solution
- Get advice from us on the range of funding opportunities available to support your digital transformation

Where we operate



The
Scotland
5G Centre

Our innovation hubs have state-of-the-art private 5G testbeds, providing a secure environment for business to meet with our experts and test new systems, operations, services and/or products.

Our hubs are located throughout Scotland:

- Aberdeen
- Dumfries
- Dundee
- Forth Valley
- Highlands and Islands (mobile hub)
- Kilmarnock
- Greater Glasgow (Renfrew)

We also have a number of **Pop Up networks** that are being deployed in client sites across Scotland





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

2010-16

HD Streaming
and Video Calls



5G

2021

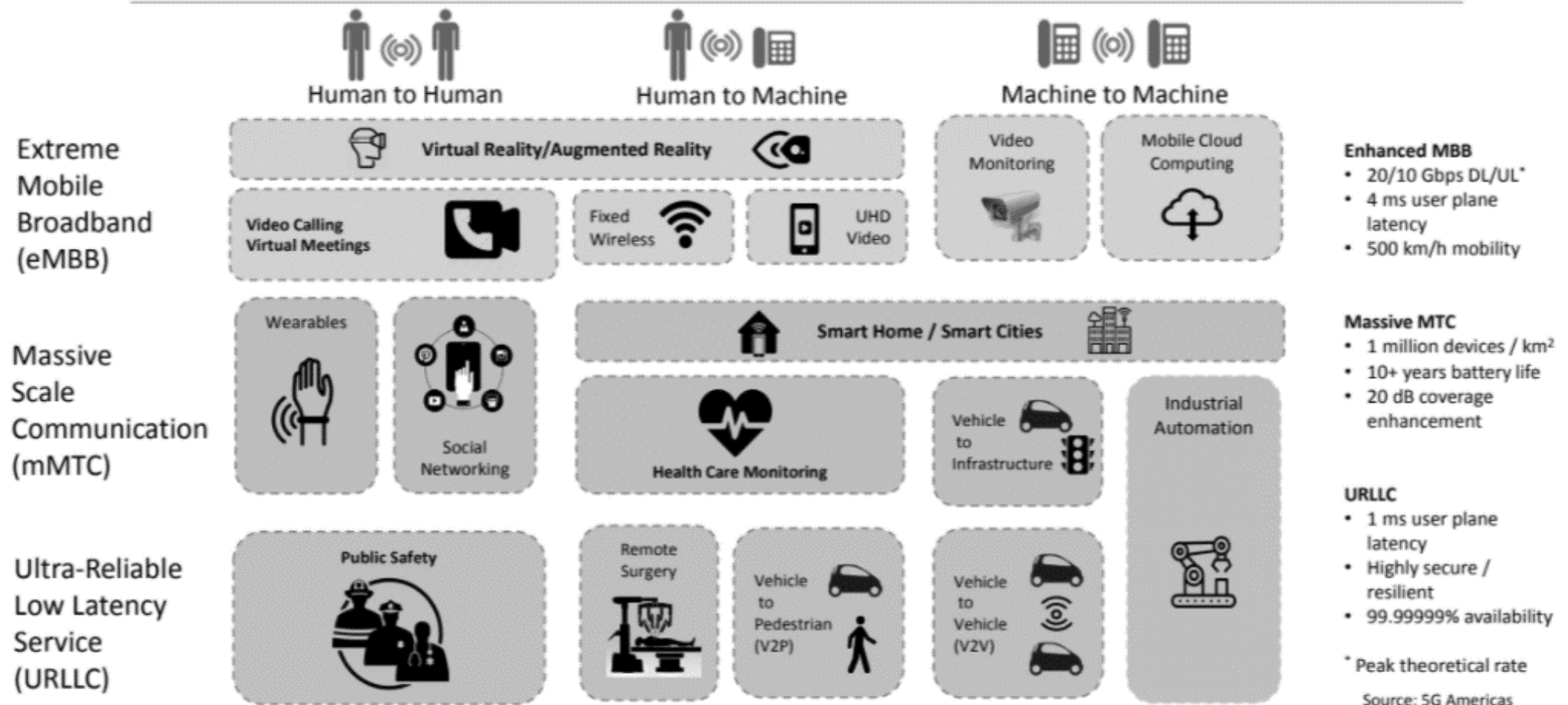
Smart Cities, IoT,
remote robotics ,
autonomous cars





Wireless Broadband Connectivity - 5G (NR/5GCN)

Summary of 5G Use Cases



* Peak theoretical rate

Source: 5G Americas

5G in Whisky Distilleries

Site Management and Maintenance

Reduce equipment and asset-related downtime by 50% and boost productivity by 25%. Resulting in a £21k productivity gain due to operational optimisation and £30k productivity gain due to reduced downtime.

Security

Avoided requirement for on-site, physical security patrols and reduce the need for costly security personnel. Saving up to £66k.



Facial Scanning



Cask Management

Substantially boost cask management processes and increase efficiency by 15%. Resulting in a £207k total efficiency gain per annum for every 10 FTEs and £125k gain due to increased labour productivity.

Health & Safety

Reduce health and safety reported incidents by 50%. Saving up to £24k and lowering insurance premiums.

Agriculture, Food and Drinks in Scotland and 5G



The
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Supporting Business Functions



Warehousing



Logistics



Worker Safety



Security





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Expression of interest

Submit your EOI to start your 5G journey:

<https://scotland5gcentre.org/expression-of-interest/>



Reach out by email



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[linkedin.com/in/phil-ladyman-gcgi-ceng-miet-5ba761252](https://www.linkedin.com/in/phil-ladyman-gcgi-ceng-miet-5ba761252)

Monthly Newsletter

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

Thank you
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