









Connecting Scotland for Good



Hayden Edwards Head of Business Development Scotland



What keeps you awake...?

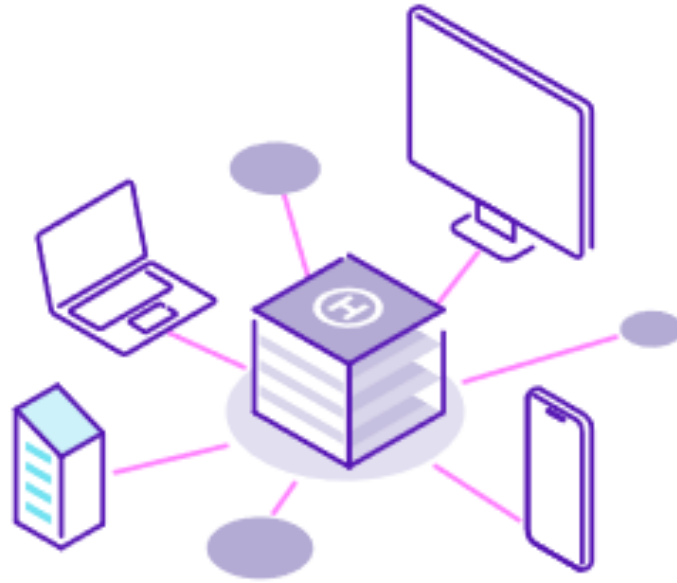
 <p>A sustainable economy that promotes health and wellbeing</p>	<p>Digital upskilling and training</p> 
 <p>Data security and cyber attacks</p>	<p>How to deliver 'Net Zero'</p> 
 <p>Getting real-time operational visibility</p>	<p>Integrating health, social care and community care</p> 
 <p>Optimising resources, people and budgets</p>	<p>Improving the user experience</p> 



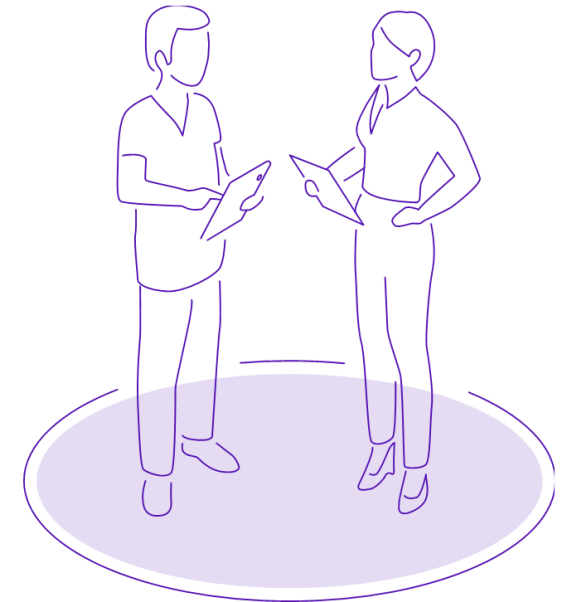
Connecting Scotland for Good – the 3 C's



Coverage



Confidence

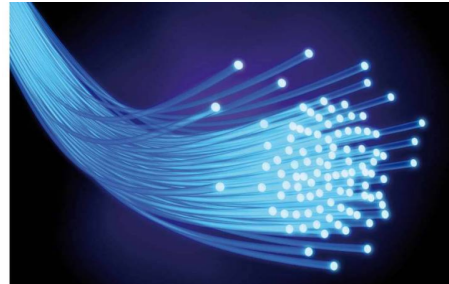


Collaboration

Unrivalled coverage, investment and options



Coverage

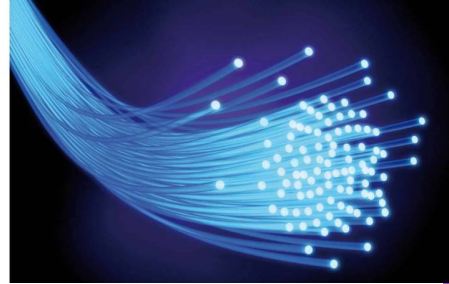


Scottish Government R100
BT Full Fibre rollout
25 million premises

Unrivalled coverage, investment and options



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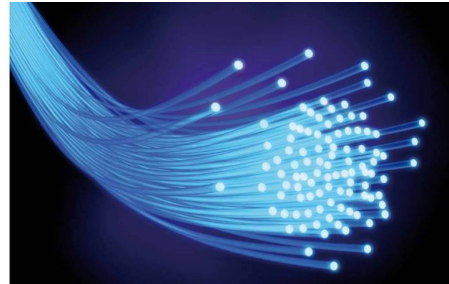


In 2019, 1%
In 2021, 35%
In 2023, 69%

Unrivalled coverage, investment and options



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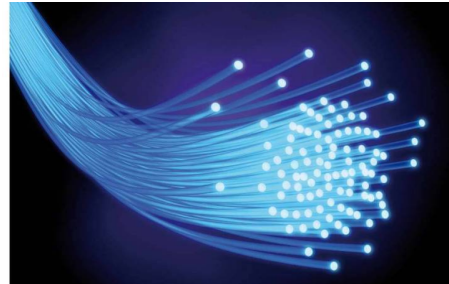


In 2019, 5G smartphones accounted for 1% of smartphone sales. **5G-enabled smartphones** are forecast to reach **69% of total sales by 2023**, overtaking 4G.

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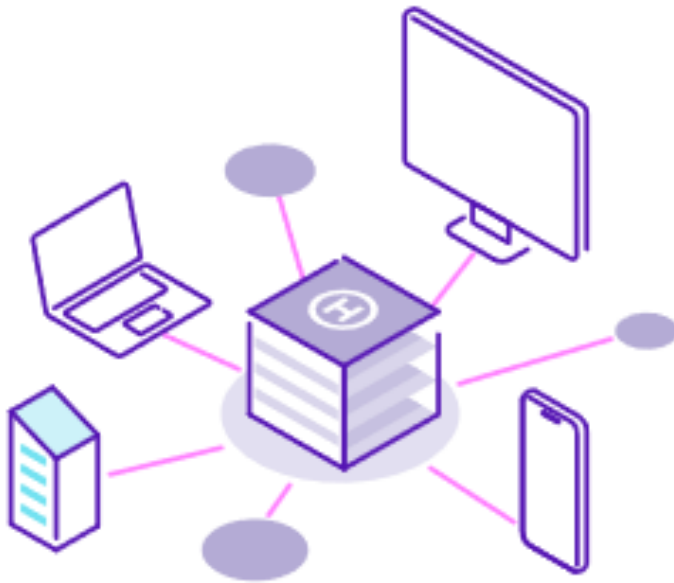


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Low Earth Orbit (LEO)
OneWeb partnership

Without confidence*, why would you digitise your services?



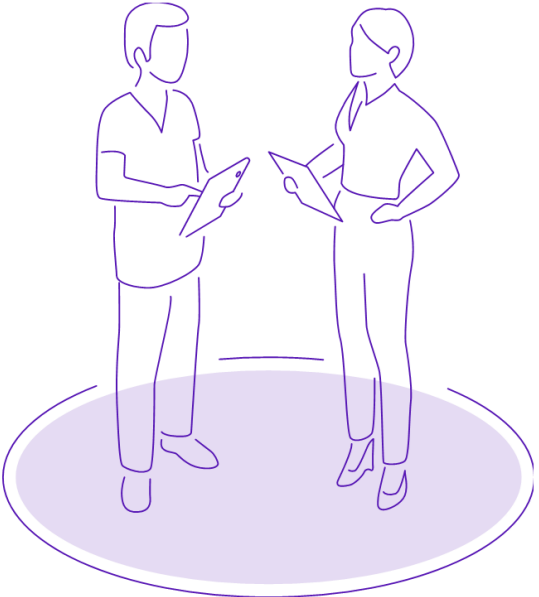
Confidence

Evergreen core network, with £3.7bn annual investment, with 40,000 devices and 3,000 security experts monitoring it

17 Global Security Operations Centres, protecting against 4,000 cyber attacks a day

Internet availability 99.999% in past 12 months

Co-creation and innovation



Collaboration



Energy



Environment



Health



Education

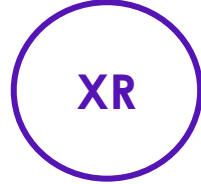
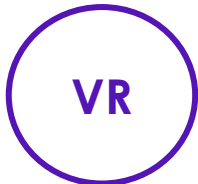
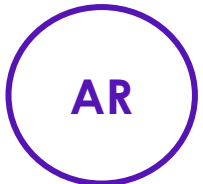
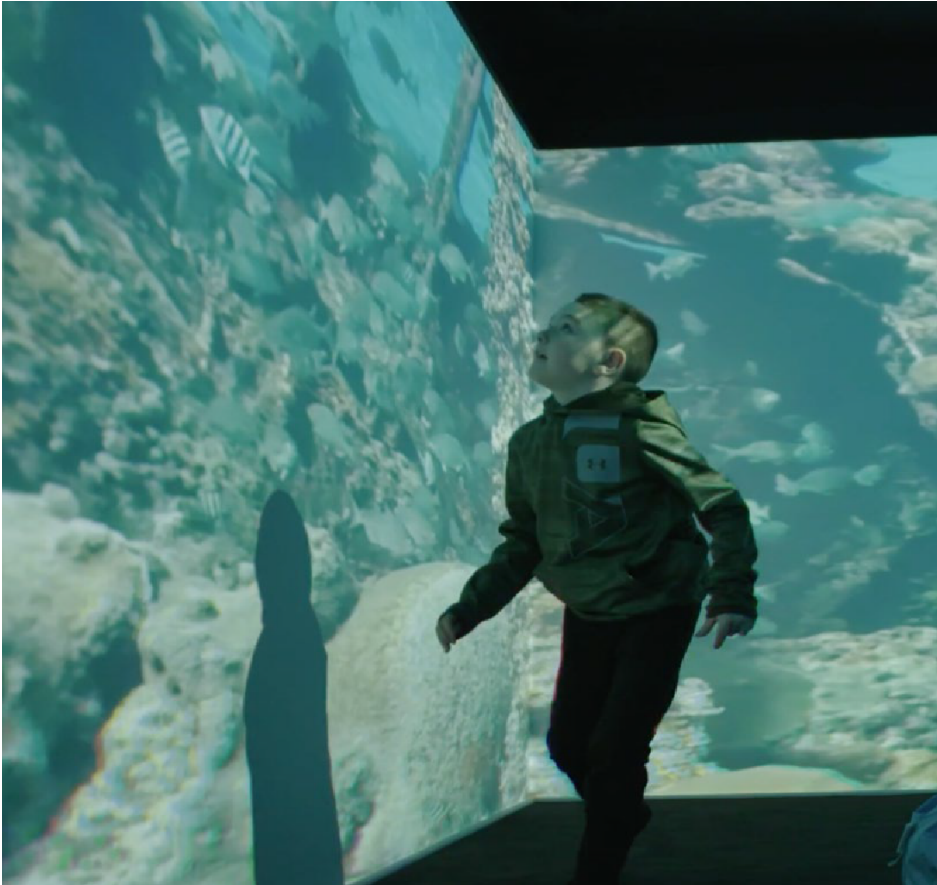


Sport



Agriculture

Education - Immersive Spaces



A whole new, inclusive user experience...

Tech makes **87%** of students more likely to **attend** class and **72%** of them more likely to **participate**.

96% of teachers believe technology has a **positive impact** on the way children participate and learn in lessons.

Immersive results in a **76%** increase in **learning effectiveness** over traditional instructional methods.

Health – Remote Diagnostics



Care where and when the patient needs it...

Remote diagnostics, linking paramedics with consultants and surgeons in **real-time**

Little or no delay to communications when using 5G, speeding up diagnosis and treatment of patients in the field

Hospital sends **control** signals over live 5G network to a **robotic** or 'haptic' glove worn by paramedic in **remote** location

AR

5G

HD
imaging

Haptic
technology

Energy – Sustainable Future



Facilitating the journey to Net Zero...

Securely connecting **hard-to-reach rural** green energy sites

Helping increase capacity to provide clean, green energy to facilitate **progress to Net Zero**

Expansion of onshore wind portfolio and investment in **new, large-scale solar projects and innovative battery storage systems**

Operational technology on windfarms, allowing monitoring of turbine temperature, **operating efficiency** and electricity production

IoT

Satellite

Real-time data

Environment – Forth ERA

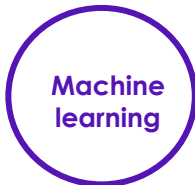
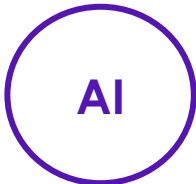
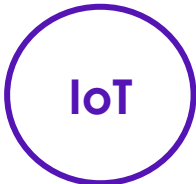


Driving a more sustainable economy...

A global exemplar of **green recovery** – right in the heart of central Scotland

A single point of access to **environmental data** and analytics for the Forth Valley region

Bringing together sensors, satellites and AI to **capture and push data** to businesses and organisations



UNIVERSITY of STIRLING



SEPA
Scottish Environment
Protection Agency

Scottish
Water
Always serving Scotland



DIAGEO

Agriculture – Future Farming



A Digital Place can apply anywhere...

A **digital farm** to support research, farm productivity and environmental monitoring

Capture **high volume and disparate datasets** across a rural environment

Starting with livestock and farm asset monitoring, but with future development of **agribots, drones, thermal imaging and AI**

IoT

CCTV

5G

Satellite
data



Predict Saturday's result...



V



*Top 3 predictions will win a
signed National Team
jersey*

Visit us at **stand 6** to enter





Means
Business