

Best of British

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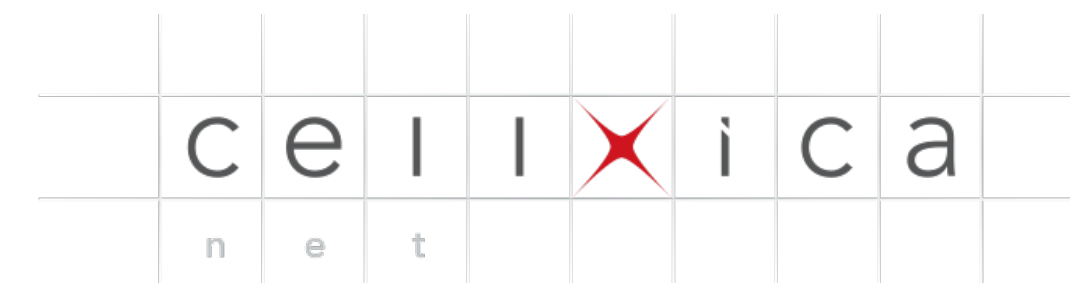


Department for
Digital, Culture,
Media & Sport

**UK
5G**

**Innovation
Network**

Best of British: Introducing the M5Q Radio & Eco System

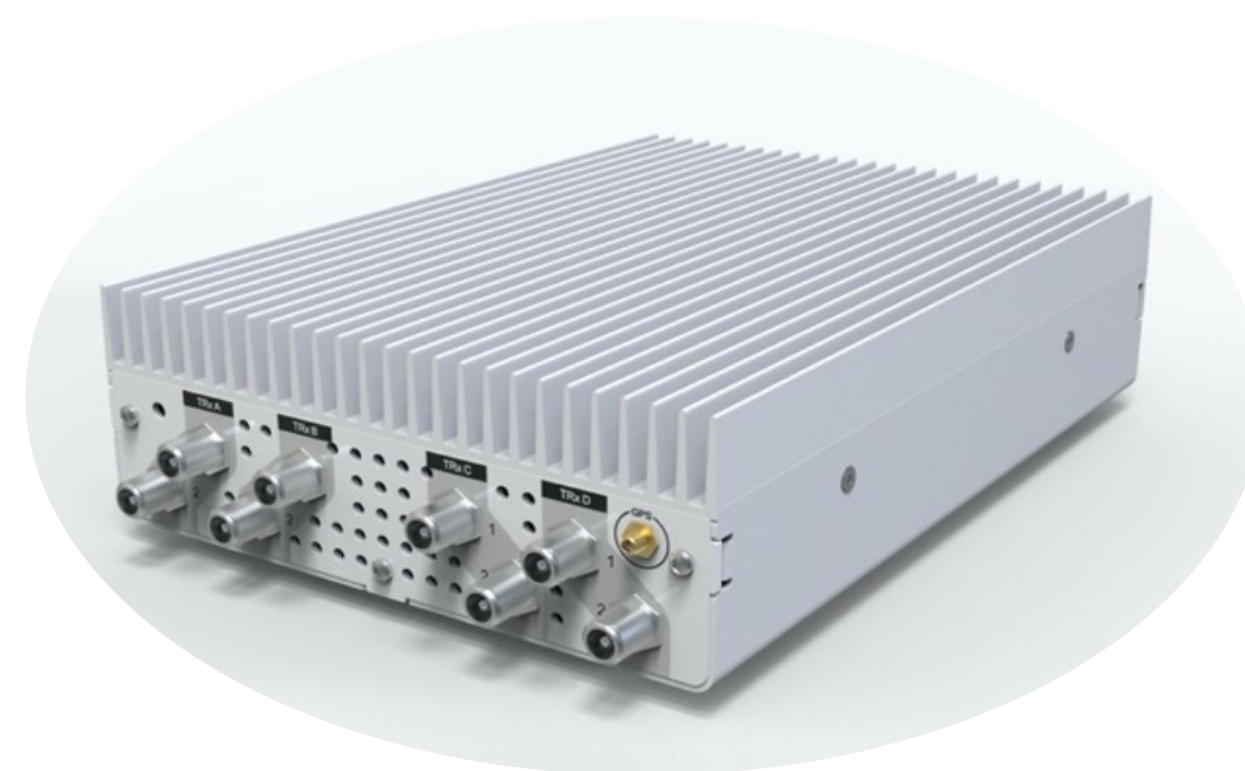


Introducing the M5Q

A high performance, low power 5G small cell for UK and **Export Markets** in n77/n78 spectrum.

Lightweight, Power Efficient, lamp post mounted small cell.

Improved coverage: **3dB gain in uplink** over competitors which means improved coverage and fewer base stations.



The Telet Network - a full public 5G
Standalone Network

MNO Roaming between other 5G SA networks

SIM Cards + eSIMs + Voice over NR + Data

Really easy radio planning tools to aid deployment & dynamic spectrum management

Our Impact on the market

Our mission is to provide the **equipment**, the **infrastructure** and the **blueprint** to enable citizens to build their own public networks.

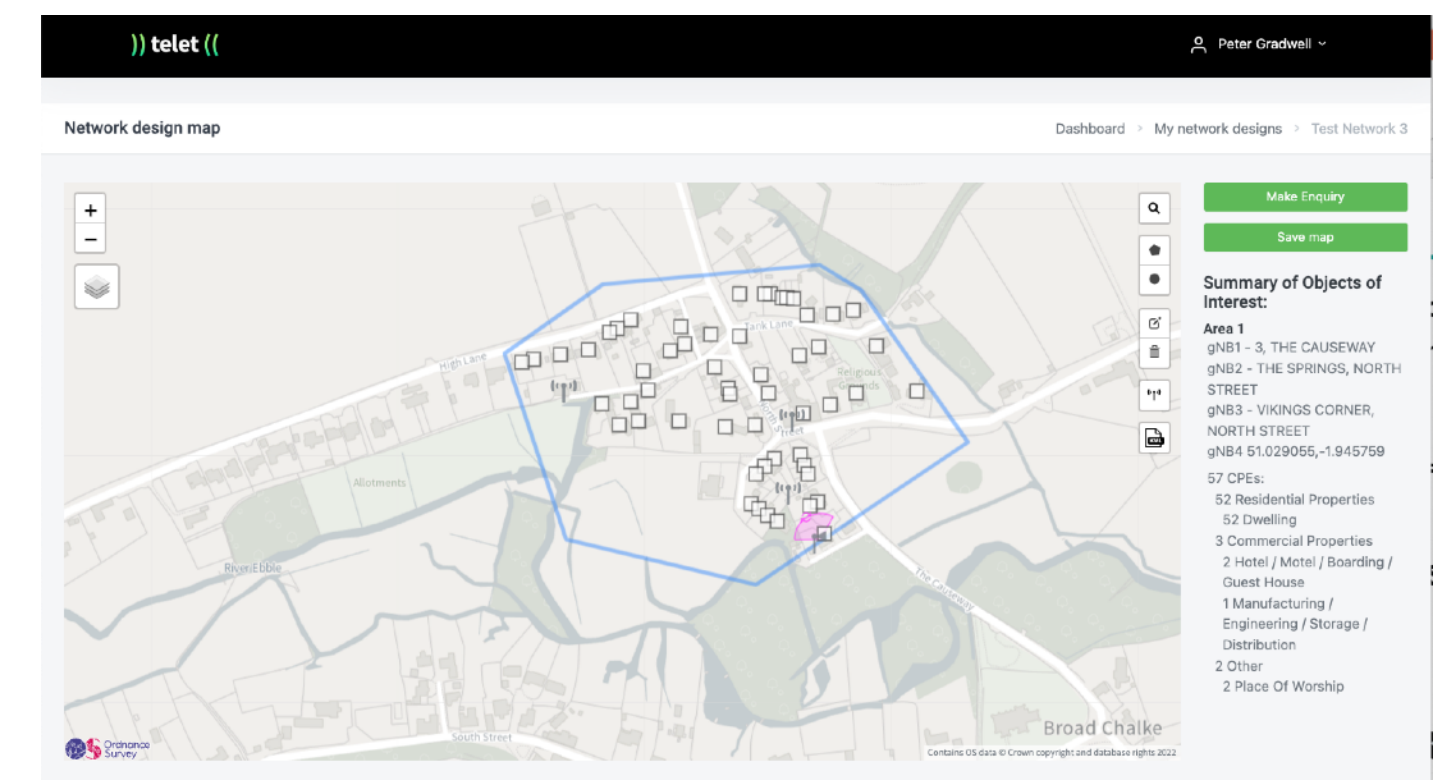
A new, UK Mobile Network Operator & Full Member of the GSMA, focused on 5G – with roaming.



Creating a new, 100% British Made, 5G Small Cell – the M5Q

Expansion of the AccelerComm PHY Layer, providing UK with highly performant radio technology

Improved ways of working – ready to support Dynamic Spectrum Sharing and an easy to use radio planning tool.

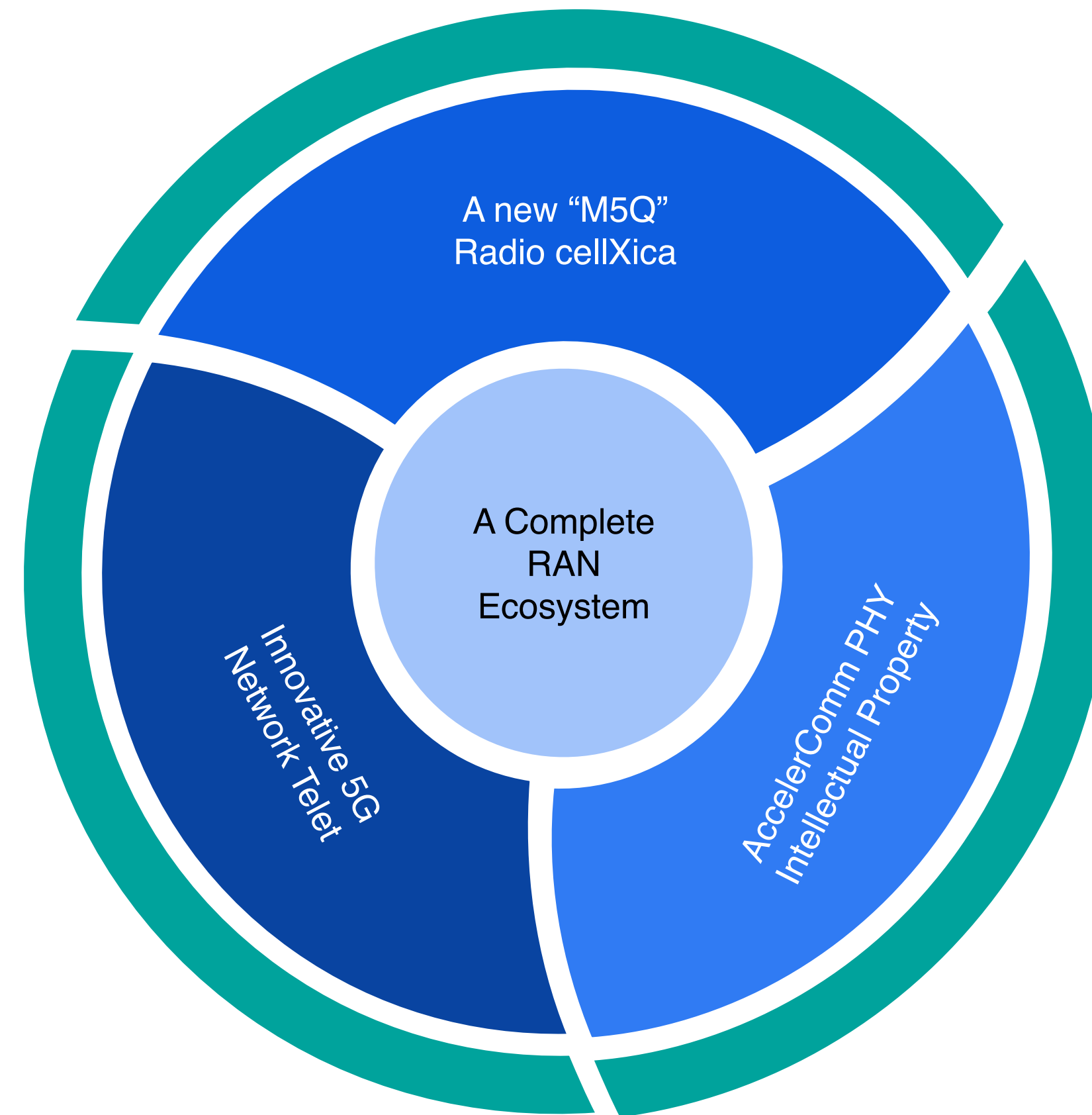


How are we doing it?

Integrate **existing & develop new** AccelerComm Intellectual Property in the **Upper PHY** (where hardware meets software), with the cellXica radio designs, so that we can make a **high performance, low power 5G small cell** for deployment within the innovative Telet 5G Network in **UK and Export Markets**.

Proof: **100 units** of the new **M5Q** radio manufactured in **Cambridge** & deployed on **Telet network** sites in urban, suburban & rural scenarios.

The Telet 5G focused Mobile Network will gain demonstrated **5G roaming, dynamic spectrum** management operating in a **new security framework** to allow widespread deployment of 5G small cells, including by MNOs on **private** infrastructure.



A new "M5Q" 5G SA small cell, designed explicitly for coverage infill using Shared & Local Access Spectrum/power constraints

A **licensable** small cell reference design

R&D into new, **high performance** elements of the "PHY" **extending** existing AccelerComm IP

5G-optimised LDPC error correction decoder achieves significant receiver gain

Can save **20%** on gNodeB equipment costs



Collaboration possibilities with Best of British

Telet provide 5G systems integration services & are a 5G focused MNO

Keen to integrate other radio equipment into our network & deploy M5Q units into your applications in 2023

AccelerComm can support your PHY Development with it's module library

Design

Radio Survey & Planning - Identification of Available & Suitable Spectrum

Management of OFCOM Application & MNO engagement for Shared & Local Access Licencing

Build

Site Design & Build - e.g. ISP Services, Backhaul Design, Installation

Radio Equipment Procurement

User Equipment Selection & Configuration

Operate

Mobile Network Services - Mobile Core "As A Service" (4G/5G SA/NSA)

Network Monitoring, Management & Maintenance

SIM Cards & eSIM

Roaming Services from Private Networks onto Main Networks

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