



UKTIN

Digital Transformation and Public Policy

The role of UKTIN in supporting the ecosystem

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UKTIN

is the innovation network for the UK telecoms sector,
bringing together industry, academia, and government stakeholders
to catalyse telecoms R&D talent in

- investment,
- cooperation and
- commercialisation.

Our Vision

A thriving, resilient, and diversified UK telecoms
ecosystem that attracts investment, and drives
innovation and growth.



Enduring policy, industrial and
investment objectives

- Front Door Service
- Skills Gap
- Supply Chain Diversification
- Revitalised SME sector
- Long term R&D
- Standards
- Adoption

Who is UKTIN?



wm5g.org.uk

- Established pedigree as the UK's largest urban testbed, testing and demonstrating the transformational benefits of 5G
- Experienced in delivering regionally led innovation programmes, with a commitment to enabling levelling up across the UK

digicatapult.org.uk

CATAPULT
Digital

- Technology and innovation organisation dedicated to advancing digital technologies
- Key neutral expert player in 5G ecosystem
- Significant convening capabilities across the Catapult Network
- Pedigree and commitment to Open and Interoperable Infrastructure

Together the consortium spans the whole ecosystem from early TRL research to industry applications



- Internationally recognised research centre of excellence in telecoms and associated technology sectors
- Leads a UK-wide academic initiative to drive UK research capability leadership in Future Telecoms
- Pedigree in delivering world leading support for Scale-Up companies

bristol.ac.uk



- Extensive experience of developing and nurturing tech innovation networks
- Track record of leading delivery of UK5G
- Broad member network with in-depth telecoms interest and expertise

cambridgewireless.co.uk

UKTIN IN NUMBERS

6,657

Registered individuals

112

Individuals in Talent Advisory Groups

Bridging the Skills Gap

13 of 19 ONE project consortia guided by UKTIN

12

Expert & Strategic Working Groups

Future Telecoms

Number of people across all adoption groups

71

Adoption

Interactions with supplier service

673

SME Support

Number of people across all EWGs

173

Future Telecoms

3,225

Registered organisations

211

Companies registered on the Innovation Platform

SME support

5

Adoption working groups

Adoption

68

Individuals in Clusters

Regional Entrepreneurism

59

Individuals who have attended workouts

SME support

Number of projects in our vector database

150,000

"The Tool"

SMEs

Skills

R&D

Adoption

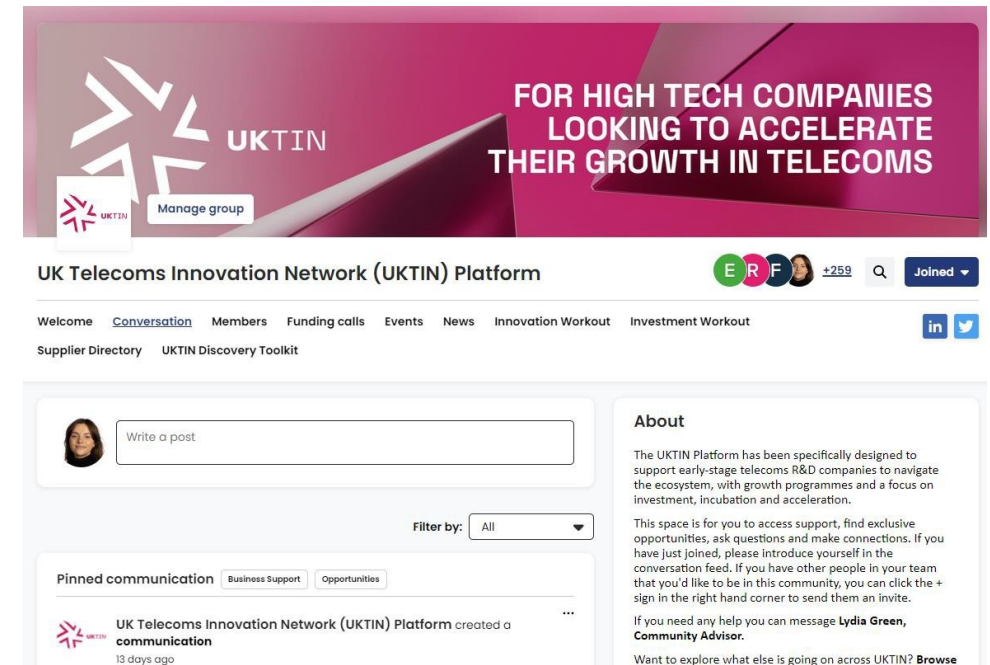
Standards



SME growth support: Helping SMEs to succeed

UKTIN offers support to early-stage telecoms and tech-for-telecoms companies to navigate the ecosystem, with growth programmes and a focus on investment, incubation and acceleration.

- Gain expert mentoring support
- Participate in an active telecoms community
- Signposted to funding calls, facilities, partners, expertise
- Gain accelerator support in growth, partnerships & investment
- Engage with Investor events
- Utilise investment campaign toolkit
- Publicise in UKTIN Supplier Directory
- Access to PitchBook research data
- Assistance with standards-making
- Assistance with IP capture



673 interactions/interventions through supplier specialist service
211 SMEs participating in our telecoms innovation network
59 entrepreneurs through a workout programme

UKTIN Talent : Building the talent pipeline

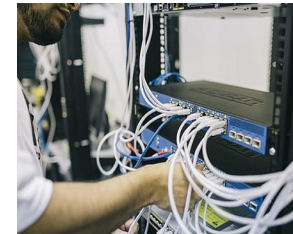
UKTIN

"EVERY DAY PRESENTS UNIQUE CHALLENGES AND EXCITING PROBLEM-SOLVING SCENARIOS, MAKING IT A FULFILLING CAREER AT THE HEART OF TECHNOLOGICAL EVOLUTION."



Sylvia Lu, Chartered Engineer and Non-Executive Director

- Rebrand the sector for a new generation
- Promote the benefits of a career in telecoms
- Create clear career pathways
- Ambassador programme
- Widen the talent pool : encouraging diversity
- Provide relatable role models
- Improve awareness of training opportunities
- Relevant, current and accessible information



Telecoms Engineer



Network Engineer



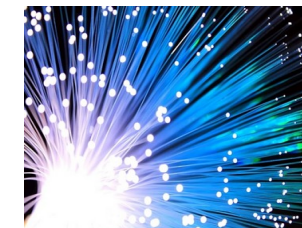
RF Engineer



Cloud Engineer



Cyber Security Analyst



Fibre Engineer



Project Manager



Product Manager

Future R&D Capability : Building a sector-led roadmap

CROSS-GOVERNMENT TELECOMS STRATEGIC COORDINATION

DISSEMINATION TO INDUSTRY

Strengths

Gaps

Overlaps

Roadmap



ADVISORY BOARD

Strategic Working Groups

TELECOM R&D FUTURE CAPABILITY
STRATEGIC LEADERSHIP FORUM

ACADEMIC FUTURE NETWORKS
STRATEGY

TELECOM INDUSTRY
DIVERSIFICATION
COORDINATION

Expert Working Groups

WIRELESS NETWORKING
TECHNOLOGIES

CORE NETWORKING
TECHNOLOGY

SECURITY

NETWORK MANAGEMENT

ARTIFICIAL INTELLIGENCE

OPTICAL COMMUNICATIONS

SEMICONDUCTORS

NON-TERRESTRIAL NETWORKS

STANDARDS

Standards making: Raising awareness and engaging SMEs

Marketing

Awareness Campaign: Why standards matter (to my business)?

Standards Hub : Standards 101 ; Intellectual Property and Standards

Clippings Service : Summary of recent activity in the world of standards

SME guidance programme

One-to-one guidance and expertise

Self-paced learning

Seminars & workshops

Standards Working Group

Expertise

Future Capability Paper

SDO Monitoring



Driving Adoption : 5G & other advanced wireless technologies

Why adopt 5G? How to adopt 5G? What can I learn from others?



Health and Social Care

Advanced connectivity solutions – and the digital technologies they enable – can support the desire to realise more people-centric care, transition from a reactive to preventative model, and move the delivery of care from clinics to communities



Transport and Logistics

5G can be the key to unlocking a more efficient, sustainable future for transport and logistics



Manufacturing

Advanced connectivity solutions – including 5G – can help boost factory efficiency, agility and more sustainable operations, while enhancing safety and security



Local Community Engagement

From identifying the right stakeholders, to knowing the right time to engage the public and how best to do so



Infrastructure

From what assets you could make available for the development of networks, to understanding plans the mobile network operators already have



Agriculture

Reliable connectivity, including 5G, will unlock the next era of agriculture. Farmers and growers can expect increased productivity, higher yields, and a firmer financial footing while maintaining high standards.

Concluding Remarks

THANK

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