



UKTIN FINAL REPORT

March 2026



CONTENTS

03 FOREWORD

06 EXECUTIVE SUMMARY

08 THE NEED FOR UKTIN

Market Challenges

The Seven Pillars of UKTIN

16 HOW UKTIN ADDRESSED THE SEVEN CHALLENGES

Challenge 1: Fragmentation of the UK Telecommunications R&D&I Ecosystem

Challenge 2: Strengthening The UK Telecommunications Innovation Ecosystem Through Strategic Convening

Challenge 3: Strategic Technology Development and Investment Roadmaps

Challenge 4: Low Commercialisation of UK Innovation

Challenge 5: Insufficient UK Voice in Global Telecommunications Standards

Challenge 6: Disconnected Skills and Infrastructure Innovation Policies

Challenge 7: Slow Adoption of Advanced Connectivity Technologies

43 MEASURED OUTCOMES & CULTURAL SHIFTS

45 CONCLUSION

46 GLOSSARY

FOREWORD

As we present this final report of the UK Telecoms Innovation Network (UKTIN), it is an opportunity not only to review what has been delivered, but to reflect on the journey we have taken together and what it means for the future of the UK's telecommunications landscape.

UKTIN was established at a pivotal moment for the sector. The UK recognised both the strategic importance of telecommunications infrastructure and the need to strengthen resilience, diversity and innovation within the supply chain. The ambition was clear: to connect the ecosystem more effectively, to unlock collaboration, and to create the conditions in which new entrants and established players alike could thrive.

Over the course of this programme, I have seen first-hand the willingness of organisations across industry, academia and government to come together around that shared ambition. We have built stronger connections across regions and disciplines, improved visibility of national capability, and helped shape a more coordinated approach to open and future network innovation.

While the outputs of the programme are important, the engagement activity, the insights, the partnerships formed, and what stands out most is the shift in mindset. There is now greater confidence in the UK's collective capability, greater openness to collaboration, and a stronger sense that we succeed most effectively when we act together.

Delivery through partnership

The progress described in this report has been made possible through the expertise and commitment of our delivery partners.

Digital Catapult has played a vital role in bridging innovation and commercialisation by convening stakeholders, supporting experimentation, and strengthening the pathways through which promising technologies reach market.

WM5G has brought practical experience from regional 5G deployment and ecosystem building, demonstrating how advanced connectivity can deliver real economic and societal impact while strengthening supply chain participation.

The University of Bristol has ensured that our work remained anchored in research excellence, connecting world-leading academic capability in wireless and future networks with industrial and strategic priorities.

Cambridge Wireless has strengthened industry engagement across operators, vendors, SMEs and investors, via the work they have done in creating exciting events and delivering specialist supplier guidance. All this ensured that collaboration is informed by market reality and international opportunity.

Their contribution has gone beyond delivery, and it has exemplified the collaborative ethos at the heart of UKTIN. Together, we have worked to create a more connected and more confident telecommunications innovation community.



Foundations for the future

As UKTIN concludes, the work does not end. The telecommunications landscape continues to evolve rapidly and is shaped by advances in open architectures, software-defined systems, AI integration and the pathway towards 6G. The UK is now better positioned to engage with and influence that future.

My hope is that the relationships built through UKTIN will endure. The clearer understanding of UK capability will continue to support investment and international partnerships. The strengthened networks of trust across regions and sectors provide a durable platform for continued innovation.

I am deeply grateful to all those who have contributed to this programme through our partners, advisory board, stakeholders and the wider ecosystem. The progress captured in this report reflects a collective effort and a shared belief in the UK's ability to lead in telecommunications innovation.

We close this chapter with confidence: that the foundations laid are strong, that collaboration will continue, and that the UK telecommunications ecosystem is better equipped than ever to shape the next generation of connectivity.

Ian Smith CEng.

Head of UKTIN

UK Telecoms Innovation Network

EXECUTIVE SUMMARY

The UK Telecoms Innovation Network (UKTIN) transformed the UK's telecommunications landscape, leaving behind more than an organised sector. It is now a connected, confident, and forward-looking national ecosystem equipped to lead the next era of network innovation.

The UK needed clarity, coordination, and momentum on delivering next generation connectivity technologies. UKTIN's consortium partners, comprising Digital Catapult, Cambridge Wireless, WM5G and the University of Bristol, provided a unifying force. It brought together researchers, innovators, suppliers, investors, regions, and government in a way the sector had never experienced before. UKTIN replaced fragmentation with coherence and swapped isolated activity with a shared purpose.

Crucially, UKTIN created a cohesive research and development environment. Through major convening events - such as national Thought Leadership sessions, the AI & Advanced Communications Conference, and delegations at major sector conventions - UKTIN fostered the relationships, trust and visibility that underpin a globally competitive telecommunications sector. These events acted as catalysts for new partnerships, reinforced national capability, and strengthened the UK's international presence. They allowed innovators to meet investors, vendors to showcase assets, and experts to shape the UK's future networks roadmap.

This ecosystem is central to UKTIN's legacy. The Supplier Specialist Guidance Service, Clusters Forums, Future Capability Expert Working Groups, and Adoption Working Groups created structures that allowed UK organisations to navigate the telecommunications landscape more easily, find collaborators faster, and engage with strategic opportunities more confidently. Its Innovation Platform, the AI Discovery Toolkit and national market and standards insight resources boosted the UK's ability to understand its strengths, anticipate global trends, and target future investment.

As the sector moves towards AI-native networks, cloudified architectures, photonics, semiconductors, and the path to Advanced Connectivity Technologies (ACT), the UK enters this next phase with unprecedented alignment. Policymakers now have clearer access to technical expertise. Innovators have smoother pathways from idea to commercial impact. Academia has stronger links to industry needs. And regional and national strengths can be connected, scaled, and displayed internationally.

Most importantly, UKTIN shifted the culture of UK telecommunications. It replaced siloed development with connected innovation, normalising collaboration. UKTIN delivered ecosystem value at an unmatched scale. The network stretched to over 6,500 individuals and 2,800 organisations. And it showed the power of a coordinated national approach to advanced connectivity. UKTIN set out to build foundations. It leaves a community that knows how to work together.

As the UK pushes into next-generation communications, becoming AI-native, increasingly software-defined, greener, more secure, and globally influential, the ecosystem UKTIN created is not just ready for what comes next, it is ready to lead it.

6,500+
Individuals

2,800
Organisations

THE NEED FOR UKTIN

Connectivity powers the UK's digital future. It is the critical infrastructure supporting the internet and transforming sectors from the economy and transport to manufacturing, security, artificial intelligence (AI), healthcare, agritech, utilities, and education. Much of what society does or may want to do in the future depends on the telecommunications industry and its experts developing robust, fast, secure and sustainable connectivity. Without vibrant and reliable ACTs, the UK will be left vulnerable and unable to compete on the future digital and AI-driven global stage.

The UK's telecommunications sector was and is still facing a fundamental market challenge: research activity was scattered, national priorities were unfocused, and the absence of coherent, long-term UK-led R&D roadmaps was eroding the country's competitive position.

With telecommunications spanning tightly interlinked fields, from AI and semiconductors to photonics, wireless systems and security, the UK risked diluting its efforts and failing to seize a rare, time-critical window created by breakthroughs in innovative technologies. A unified strategic direction or stronger coordination between government, industry, and academia was essential.

Market challenges

The UK telecommunications sector faced a set of systemic challenges that limited the nation's competitiveness and reduced its ability to influence the technologies underpinning future connectivity. UKTIN set out to solve the challenges of:

- **Fragmentation of the UK telecommunications R&D&I ecosystem:**
The UK's telecommunications R&D and innovation (R&D&I) landscape was highly disjointed with no national mechanism to coordinate efforts across government, industry, academia, and standards bodies. The system suffered from duplicated activity, underused assets, and an absence of clear national direction.
- **Strengthening the UK telecommunications innovation ecosystem through strategic convening:** The telecommunications innovation ecosystem needed organisation to provide effective collaboration.
- **Strategic technology development and investment roadmaps:**
At the same time, the government lacked a coherent, cross-departmental approach to long-term telecommunications technology road-mapping and investment.
- **Low commercialisation of UK innovation:** Although the UK has world-leading research institutions, telecommunications research rarely translated into commercial products, scalable businesses, or intellectual property that could anchor domestic capability. This weak commercialisation pipeline reduced the UK's ability to secure strategic advantage in emerging technologies.
- **Insufficient UK voice in global telecommunications standards:**
The lack of UK industrial scale, a small domestic vendor base and relatively modest R&D investment from global suppliers limited the UK's voice in international standards development.
- **Disconnected skills and infrastructure innovation policies:**
This was compounded by uneven regional capabilities, persistent skills shortages, and an ageing workforce that together threatened the sector's long-term resilience.
- **The slow adoption of advanced connectivity technologies:**
UK businesses and public services were not consistently benefiting from the productivity and innovation advantages seen internationally.

These challenges collectively reinforced what the UK telecommunications sector was missing: a national body to coordinate the ecosystem, strengthen the UK's global influence, accelerate commercialisation, and build a more innovative, resilient, and competitive telecommunications sector.

To establish UK leadership during this period of rapid technological change, the government played a central role in addressing the persistent sector challenges and unlocking opportunities for growth. As emerging technologies made networks more flexible, efficient, and environmentally sustainable, committed government direction and investment were critical in shaping the sector's trajectory. The UK is well positioned to capitalise on these opportunities, with strengths in AI, cybersecurity, software, to systems integration, space and satellite communications, and advanced electronics. These are underpinned by a world-leading academic community, a vibrant start-up ecosystem, and a deep pool of technology talent, all areas the government has consistently sought to support through policy and investment.

Supporting the UK Government's '5G Supply Chain Diversification Strategy', other policy papers including the 'UK Wireless Infrastructure Strategy' and a report by the Telecoms Diversification Taskforce outlined the need for a central body to strengthen domestic telecommunications capabilities, from established suppliers to emerging innovators. Recognising the sector's challenges, in 2020 DCMS led on the delivery of this agenda, investing £305 million in research, development, and innovation (R&D&I) including £13.6 million (over 3 years) to create an innovation network designed to position the UK as a global telecommunications leader. This led to the creation and launch of the UK Telecoms Innovation Network (UKTIN) in 2022.

The seven pillars of UKTIN

At the heart of the UKTIN programme were seven foundational pillars, each representing a core area of focus essential to achieving the programme's vision. Together, these pillars created a framework that underpinned UKTIN's mission, guiding strategic decisions and shaping the programme's activities. They ensured that the network was comprehensive, future-focused, and able to respond to the evolving needs of the telecommunications sector.

The seven pillars were designed to support:



LONG-TERM R&D&I

Enhancing national innovation capabilities by fostering collaboration across industry, research institutions, and government



SUPPLY CHAIN DIVERSIFICATION

Supporting emerging technologies and enabling sovereign advanced connectivity solutions that keep the UK at the cutting edge



FRONT DOOR SERVICE

Providing a single, government-supported gateway to simplify collaboration across the sector and strengthen productivity



SKILLS GAP

Addressing critical industry challenges, including infrastructure, cybersecurity, and compliance, through shared best practice and collective problem-solving



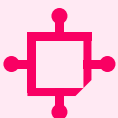
REVITALISED SME SECTOR

Enabling innovation-led growth and job creation across the UK's telecommunications SME base



STANDARDS

Informing government policy and regulatory decisions by consolidating industry insights and expert recommendations



ADOPTION

Accelerating the uptake of new technologies by helping businesses integrate innovation into everyday operations

From its inception, UKTIN served as a neutral, government-supported ecosystem enabling organisations across industry, academia, and the public sector to accelerate ideas, identify skills needs, secure funding, and align resources with high-value projects.

Its mission was clear: to transform and unite the UK telecommunications landscape by building on nationally recognised strengths in technology, research, academia, and business. It sought to drive innovation, support company growth, and maintain the UK's competitiveness worldwide, objectives that directly reflected the priorities set by DSIT and the wider UK Government.



UKTIN IN NUMBERS

FRONT DOOR

6,500+

Registered individuals

2,800+

Registered organisations

120+

Events across UKTIN and wider ecosystem

800+

Resources on the website

400+

Newsletters

BUILDING FUTURE CAPABILITY

12

Number of Expert and Strategic Working Groups

186

Experts involved in Expert and Strategic Working groups

2

Academic Strategic Working Group white papers

9

Technology roadmaps

9

Future capability papers

1

Strategic Leadership Forum Strategic Working Group report

ADOPTION & CLUSTERS

5

Number of Adoption Working Groups

75+

Individuals involved in Adoption Groups

46

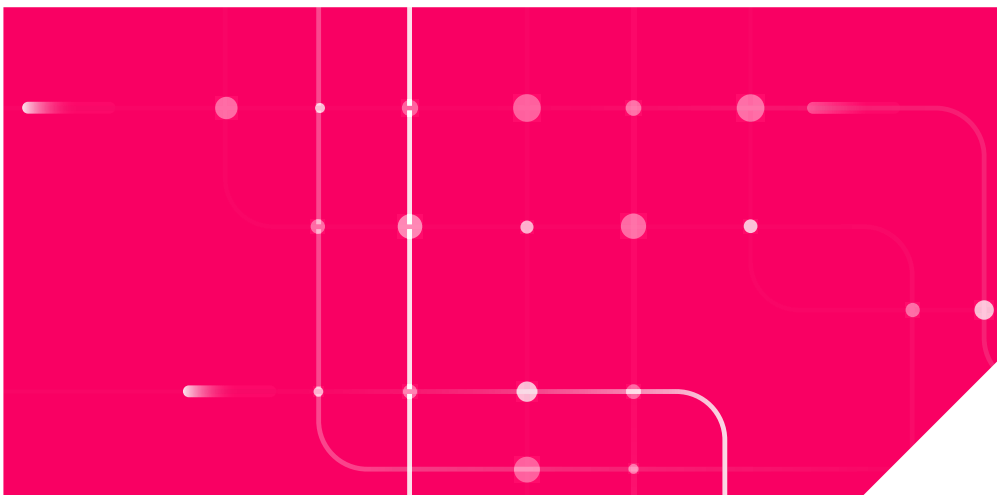
Sector-specific adoption case studies

90+

Organisations in cluster forums

175

Individuals in cluster forums



MAPPING THE ECOSYSTEM AI R&D DISCOVERY TOOLKIT

200

Registered users

123k+

Organisations

203k+

Research projects
in database

1,629

Search queries

STANDARDS LEADERSHIP

18

Standard
meetings
attended

8

Standard
blogs
published

6

SME's
advised

10

Web
standards
articles
published

SETTING THE SECTOR UP FOR SUCCESS

137

Individuals in Talent
Advisory Group

30

Events and campaigns

2.1M

Young people reached

16

Forums hosted

SUPPORTING INNOVATION

313

Users registered
on innovation
platform

231

Participants

23

Workouts
completed by
participants from
205 companies

CONNECTING THE ECOSYSTEM

3,100+

Individuals engaged
through opt-in
participation

164

Funding
opportunities
signposted

1,300+

Interaction with the
supplier specialist
guidance

80+

Referrals made to
R&D and testbed
facilities

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



Utilised its position as the UK's largest UK testbed and its experience working with local authorities to lead the programme's regional agenda. With a focus on social value, it examined the barriers to market entry and the sector's skills shortage.

www.wm5g.org.uk



Used its technical and policy expertise to act as Lead Consortium Partner of UKTIN, heading up the landscape mapping and future capability shaping activities of the programme.

www.digicatapult.org.uk



Is the pacesetter of UK telecoms research and acts as the academic lead of UKTIN. It mapped the “who, what and where” of the telecom's R&D ecosystem, delivered the innovation framework for translational research and an AI Discovery Toolkit to better connect industry and academia.

www.bristol.ac.uk



Track record in delivering 5G in the UK saw it set up the network's ecosystem. It delivered a national events programme, printed journals and international marketing activities.

www.cambridgewireless.co.uk

HOW UKTIN ADDRESSED THE MARKET CHALLENGES

Since 2022, UKTIN made several key interventions to help address the market challenges, listed above. Here, we outline these mechanisms and highlight the outcomes, outputs and long-term impacts on the UK's telecommunications research and innovation landscape.

CHALLENGE 1:

Fragmentation of the UK telecommunications R&D&I ecosystem

The UK's aimless telecommunications R&D&I landscape was a longstanding challenge. It was fragmented and difficult to navigate, especially for innovative companies and start-ups seeking clarity on government priorities. UKTIN's challenge was to organise the landscape to allow smaller players to compete with established participants. UKTIN used its collaborative platform and convening power to unite investment, talent, and expertise from across industrial stakeholders, creating high-impact initiatives.

Mechanisms used to strengthen the UK telecommunications innovation ecosystem

Supplier Specialist Guidance and Support Services

UKTIN partner Cambridge Wireless established the Supplier Specialist Guidance Service (SSGS) to provide innovators with the insight, guidance, and industry access needed to scale their solutions. The SSGS exceeded these goals by supporting hundreds of organisations in overcoming technical, commercial, and regulatory challenges, while also facilitating partnerships and access to testbed opportunities that would have otherwise been inaccessible.

By the end of UKTIN, the UK had for the first time, a transparent, navigable and trusted national entry point to telecommunications innovation. The SSGS advanced government objectives to strengthen the UK telecommunications supply chain, reduce barriers to innovation, drive growth, and support international collaboration.

The SSGS improved accessibility, increased transparency, and established a recognised model for national coordination in telecommunications innovation, making a lasting contribution to the strength and competitiveness of the UK telecommunications ecosystem.

“

By working with the SSGS and the rest of the experienced UKTIN team, we have built new relationships with potential customers, investors and other ecosystem partners. The more we have invested our time in UKTIN, the more we have seen a good ROI on that time investment.”

Tim Dowling, Co-Founder, Stacuity

Mapping and navigation tools

An AI Discovery Toolkit developed by the University of Bristol, set out to provide a single source that helped users quickly locate, interpret, and assess relevant information about who in the UK was active in telecommunications R&D and make the ecosystem easier to navigate.

The toolkit addressed the practical challenge that relevant information on telecommunications R&D is distributed across multiple sources and is difficult to access efficiently through manual browsing. It helped users quickly move from broad questions to actionable insights, answering “who is doing what, where, and with whom?”. The toolkit could generate structured outputs, including visualisations such as heatmaps and data infographics, and maintained links to source material for transparency and verification.

“

The UKTIN Discovery Tool is a very useful resource. The concept of a searchable dataset combined with an AI Assistant to help make sense of the results is very powerful. Congratulations to the University of Bristol for this effort and my thanks for allowing me to be an early user of the tool.”

George Tsirtsis, Senior Director of Technology, Qualcomm Europe

Events, outreach, and community building

Participation in major events helped reduce fragmentation by showcasing UK strengths, identifying global trends, and informing future planning. UKTIN's work was delivered through a collaborative effort led by Cambridge Wireless with strong involvement from the other network partners.

UKTIN attended the Mobile World Congress (MWC) in 2023 and 2024 and organised the UK Pavilion at MWC 2025 to showcase UK telecommunications on the international stage. At the 2025 European Conference on Networks and Communications, UKTIN presented leading technologies and contributed to panels and workshops, raising the UK's profile in European telecommunications research.

The UK Telecoms Innovation Ecosystem Conference, held on 30 May 2024 at IET Savoy Place in London, brought together around 250 senior leaders from industry, government, and academia to help shape the future of UK telecommunications. The event explored the UK's telecommunications strategy, industry challenges, emerging fibre technologies, and ecosystem priorities across R&D, commercialisation, skills, and adoption, and was the first time these communities were convened for such a deep, interactive engagement. As a milestone moment for UKTIN, it provided vital strategic alignment after the network's first full year, identified the ecosystem needs that would inform UKTIN's future programmes, strengthened collaboration across all major stakeholder groups, and showcased the UK's growing innovation capability and global relevance in next-generation telecommunications.

Popular EU Horizon webinars in July and November 2025 guided UK organisations on EU funding, strengthened consortia, and increased confidence in joining major R&D programmes. These webinars generated additional inquiries and resulted in several UK-led applications for EU funding. UKTIN participated in the FYUZ events in Madrid (2023) and Dublin (2025), strengthening sector collaboration. Team members contributed to discussions, attended sessions, and published a blog highlighting trends in supply diversification, AI, ACT, and distributed computing.

“

Congratulations on a really successful webinar, it was a great session, and I thoroughly enjoyed being part of it.”

Dr Eleni Bohacek, Horizon Europe UK National Contact Point for Digital, Innovate UK

Finally, UKTIN, led by University of Bristol, hosted the “AI and Advanced Communications” conference in London in 2026, bringing together leading industry and academic experts from around the world. The event featured talks and panels where participants shared new ideas and research, demonstrating UKTIN’s ability to connect and convene industries and sectors together.

Effective marketing, outreach, and event management were fundamental to UKTIN’s national and international success, ensuring each presence was polished, strategically positioned, and aligned with programme goals. The network’s online activity, including social media presence, was central to convening the fragmented sector (see more in Challenge 2). Increased visibility attracted high-value stakeholders and transformed engagement into a platform for meaningful collaboration, enabling UKTIN to showcase UK capability with confidence and maximise the impact of every event.

“

The UK is very strong here and the research from academia and industry is really groundbreaking. Looking forward to see what follows on from UKTIN as we move forward to 6G / full AI-native deployments / Quantum networks and much more.”

David Boswarthick, Director of Strategy and Innovation, ETSI

Outputs, Outcomes and Impacts

- UKTIN was the single, trusted national entry point and self-serve discovery of UK capabilities, cutting duplication and time to find partners/assets.
- The SSGS delivered substantial impact across the UK telecommunications ecosystem, with more than 3,100 individuals joining through opt-in engagement and supporting innovation as it worked to reduce fragmentation and accelerate commercial growth. Leveraging UKTIN's specialist advisers, who provided tailored signposting and funding guidance, the service delivered over 1,300 interactions with the specialist supplier service, 164 funding opportunities signposted, and more than 80 referrals to R&D and testbed facilities.
- The AI Discovery Toolkit attracted 200 registered users and growing. Users have performed over 1,629 search queries and engaged in over 958 chat interactions. The toolkit provides access to a rich database of 203,065 research projects and over 123,558 organisations, both academic institutions and companies, ensuring comprehensive visibility into the UK's telecommunications R&D sector.
- Approximately 140 registrants attended the "AI and Advanced Communications" conference bringing together leading industry, policy and academic experts from around the world.

“

High quality speakers at a great venue, easy to get to. The pace of the presentations was ideal, and the chair(s) did a great job of sticking to time. Really pleased to see that the duration of the event was not too long (many others are) and the timing of lunch and coffee breaks was very good.”

A UKTIN AI & Advanced Communications Conference Respondent

“

I really enjoyed the workshop, particularly our panel and networking with likeminded Taiwanese innovators. Thanks particularly to Maria Cuevas Ramirez from BT for hosting our panel, to everyone on our panel for a lively debate and everyone supporting to make the event a success.”

Bridgette Bigmore, Chief Technology Officer, UK Telecoms Lab, NPL

UKTIN also delivered several bilateral and multilateral initiatives, including:

- The UK–Taiwan workshop in May 2025, organised by UKTIN, the Federated Telecoms Hubs, and Taiwan’s Industrial Technology Research Institute, brought together academics, industry, and researchers interested in collaborating with Taiwan.
- The UK–India Future Networks Initiative signed a memorandum of understanding in October 2024, establishing a framework for joint research with the Bharat 6G Alliance. This agreement supported pilot projects, academic partnerships, and knowledge sharing.
- Sector narratives were tailored to priority markets, including the US, South Korea, Japan, and India, and consolidated into an international white paper. The UKTIN press office secured 13 coverage pieces reaching 2.2 million readers, while early outreach in the US, South Korea, and Japan highlighted opportunities for international engagement.
- A South Korea campaign generated 280,000 impressions with support from a local partner. In Japan, UKTIN initiated discussions on Open RAN architecture with the Japan Bank for International Cooperation.
- A US market campaign launched with an international paper developed by UKTIN, its partners, and DSIT. This initial outreach to the US generated over 22,000 clicks to the UKTIN website through LinkedIn and TAN Media.

Photographs from the events have been included to highlight key moments where UKTIN made a strong impact:

UK – Taiwan workshop 2025



AI & Advanced Communications Conference 2026



European Conference on Networks and Communications (EuCNC) Poznan 2025



“

Promoting UKTIN’s telecommunications research and innovation internationally has delivered global visibility and positioned the UK as a world leader in telecommunications R&D. UKTIN has become a trusted conduit for navigating EU funding and elevating UK participation in major European R&D programmes. “I am delighted for this strategic partnership with UK-India Future Networks Initiative (UKI-FNI) and the UK Telecoms Innovation Network (UKTIN). This collaboration signifies a crucial step towards harnessing the combined strength of Indian and UK expertise to drive innovation in the development of 6G technology. As we look to the future, this partnership will not only address critical technological challenges but also create opportunities for deeper research collaboration, knowledge exchange, and shared vision for building a robust and sustainable 6G ecosystem.”

NG Subramaniam, Chairman, Bharat 6G Alliance, India

CHALLENGE 2:

Strengthening the UK telecommunications innovation ecosystem through strategic convening

The UK telecommunications innovation sector has historically lacked cohesion. UKTIN addressed this by organising events, collecting evidence, and engaging key stakeholders to promote collaboration. Cambridge Wireless ensured inclusive participation and discussions that delivered tangible results. Consequently, connections among researchers, investors, users, and regions improved, accelerating the spread of ideas and opportunities.

Mechanisms used to strengthen the UK telecommunications innovation ecosystem

Ecosystem events

UKTIN demonstrated that structured collaboration is essential to the UK's innovation system and held key events to build its network. The 'Supporters' Consultation' brought early partners together and clarified expectations when the industry was unsure. The 'UKTIN Launch' event created the national framework for long-term R&D, diversification, talent and adoption.

Meanwhile, the 'Connected North' event expanded regional engagement and brought local authorities into early dialogue, and 'Cambridge Tech Week' strengthened links across research, industry and investors to showcase UK capability. The first 'Thought Leadership event on AI in Telecoms' helped build a more coherent and mature national understanding of AI's role in future networks by creating the first ecosystem-wide evidence base. Collectively, these events created early cohesion, improved visibility of national capability and accelerated uptake of UKTIN services.

Events then shifted toward delivering results. A thought leadership session on ‘Commercialisation and Network Economics’ addressed another critical weakness in the UK’s telecommunications landscape: the difficulty of turning promising innovation into sustainable commercial outcomes. While a ‘Thought Leadership event on Adoption’ examined the barriers to technology adoption and strategies for profitability, helping bridge the gap between innovation and business creation in the UK. The ‘Connected Reflections Live’ event, organised by Cambridge Wireless and DSIT, celebrated the Future Network Programmes and concluded with the Future Networks Awards.

The ‘Cambridge Wireless International Conference 2025’ and ‘Cambridge Wireless TEC’ focused on ACT, photonics, network economics, and applied research, supporting UKTIN’s objectives and enhancing the UK’s global telecommunications reputation. UKTIN and DSIT also organised the ‘Future Network Programmes: Legacy & Launchpad’ event in December 2025, which highlighted the long-term impact of UK innovation, investment opportunities, and regional successes.

Cambridge Wireless served as a highly trusted convenor, offering structured curation, balanced stakeholder representation and robust operational delivery. Their strong marketing channels, established community relationships and reputation for credible events enabled them to effectively shape, deliver and promote each occasion. As a result, UKTIN achieved high visibility, targeted outreach and clear communication across diverse audiences. This combination of promotional strength and organisational capability extended UKTIN’s reach and ensured the events’ outcomes were embedded across the wider telecom’s ecosystem.

UKTIN’s activities in international events, outreach and community building were also central to strengthening the UK’s innovation ecosystem. See Challenge 1 for more detail.

Clusters Forum

The Clusters Forum facilitated expertise exchange, promoted UK telecommunications assets and capabilities, identified funding opportunities, and shared R&D&I best practices and toolkits. It also provided a channel for feedback on UKTIN outputs. A regional Clusters group served as an open platform for regions and nations to share knowledge, showcase local strengths, and coordinate activities.

The forum provided a collaborative platform to highlight regional telecommunications R&D&I assets, showcase local capabilities, and promote test facilities. It supported cross-regional collaboration and knowledge exchange among UKTIN, regions, devolved nations, and other government programmes.

Participants shared insights on digital connectivity strategies, innovation scaling, and market entry in the UK telecommunications sector. It helped organisations, particularly early-stage, regional, and international businesses, navigate the UK telecommunications landscape.

Membership grew steadily, with a focus on engaging local authorities and organisations early in their adoption journey. Participation from businesses and supply-side innovators also increased. Regionally, the forum became a key mechanism for sharing best practices, fostering collaboration, and supporting long-term adoption and skills development across the UK.

“

I am not sure if there are any other forums showcasing the innovation happening across different regions in UK, so the Clusters forum is doing a great job filling in that gap and is playing a significant role highlighting the sectors, projects and people. For me, it has given a tremendous learning opportunity to understand the technology development and be able to find connections and possibly form business partnership, which is even more invaluable considering I am new to the UK technology landscape. I also had the opportunity to share my entrepreneurship story at the forum, and this was perhaps the first time I openly discussed the challenges and struggles of building a technology startup from scratch. The forum has been very encouraging in creating an environment where both public organisations and brand-new startups can come together and share knowledge.”

Poonam Parihar, Founder & CEO, Banderlog.dev

Online outreach

UKTIN's online activity played a big role in its success. With Cambridge Wireless leading the project and DSIT providing support, the UKTIN website and social media became trusted places for the innovation community to connect. By refreshing the old UK5G website and sending regular newsletters, UKTIN created an easy-to-use hub that attracted over 6,500 registered users and over 2,800 organisations.

This high level of interest shows there is still a need for a trusted central platform that shares news, industry updates, and DSIT-aligned content about supply chain diversity, Open RAN, and building national skills.

UKTIN's growing social media presence, with nearly 11,000 LinkedIn followers, helped share news, highlight strengths, and boost the visibility of the UK innovation sector at home and overseas. These online platforms expanded UKTIN's influence, giving project partners and DSIT a reliable way to keep stakeholders informed, connected, and focused on driving innovation, diversity, and long-term success in the UK telecommunications community.



Outputs, Outcomes and Impacts

- Before UKTIN, no single resource mapped UK telecommunications assets and support.
- The Clusters Forum created a trusted, collaborative national platform that attracted 175 members, mapped regional R&D&I assets, showcased capabilities and test facilities, and enabled meaningful cross-regional knowledge exchange, giving organisations, including early-stage and international entrants, a clear and accessible route into the UK telecommunications landscape.
- UKTIN delivered a nationally coordinated programme of high-impact events that built the first AI-in-Telecoms evidence base, showcased regional R&D strengths, and convened start-ups, industry, academia, investors and government; this created early ecosystem cohesion, improved navigation through a trusted single entry point, strengthened partnerships and commercial pathways. UKTIN brought local authorities, regions, startups, academia, investors and major vendors into the same conversations, with consistent curation and promotion to drive practical collaboration.
- A genuine “one-stop” forum for mapping assets and best practice, improving discoverability for regional and international entrants and turning regional strengths into shared national capability.

CHALLENGE 3:

Strategic technology development and investment roadmaps

Before UKTIN, the UK telecommunications sector's research was disparate and national priorities unfocused. A lack of coherent, long-term R&D roadmaps eroded the country's competitive position. The UK risked diluting its efforts and missing a time-critical window created by breakthroughs such as ACT, AI-native networks, and next-generation satellite technologies. Without unified strategic direction and stronger coordination between government, industry, and academia, the UK risked falling behind more agile competitors.

Mechanisms used to address strategic technology roadmap and investment planning

Future Capability Expert Working Groups

UKTIN brought together industry and academic experts, in a coordinated structure, through nine specialised Expert Working Groups, an Academic Future Networks Strategy Group and an Industry Strategy Group.

These groups aimed to build a clear picture of the UK's long-term telecommunications research and innovation potential. UKTIN made it straightforward for experts to work together and agree on shared priorities. By turning specialist knowledge into clear national guidance, UKTIN helped align efforts across the sector.

The roadmap shown below is provided as an illustrative example and is one of the nine Future Capability Roadmaps:

	Time Windows		
	2025-30	2030-35	2035-50
Open Networking	Multi-domain Orchestration & Management Including Intra-Operator APIs		
	Inter Operator / Inter Domain APSs		
	AlaaS API and Integration		
Automation	Intent Based Automation		
Customer Experience Management Tooling	Inside Buildings & Neutral Host Networking Digital Twins		
		NTN Digital Twins	
Network Planning Tooling	Inside Buildings, Future Networks, 6G		
		Quantum Network Planning	
Network Management Ecosystem	Innovation Ecosystem, Test Beds, and Upskilling		

UKTIN Future Capability - AI Roadmap

It established the UK's first comprehensive, cross-ecosystem consultation structure for future telecommunications capability. The Market Insights initiative, led by experts from Digital Catapult and the University of Bristol, offered a trusted source of market intelligence. It allowed stakeholders to understand industry and academic trends, inform decisions, and guide policy and strategy. Researchers covered topics including AI, semiconductors, cybersecurity, R&D activity, case studies, funding flows, and future trends. By combining empirical data with expert input, they delivered a holistic and evidence-based overview of sector innovation.

UKTIN built a strong technical legacy through strategic publications. The Future Capability Expert Working Groups, led by Digital Catapult, the University of Bristol, Satellite Applications Catapult, and the Compound Semiconductor Applications Catapult, brought together experts from industry, academia, and the public sector to assess national strengths, capability gaps, and the UK's readiness for next-generation telecommunications.

“

It has been very advantageous to expand horizons both within the EWG and outside in the consultations that we have made. This has improved our knowledge of what is going on in the UK as well as abroad. In turn this has helped us spot gaps and see where the UK can seize future opportunities.”

Barry Evans, Chair, NTN EWG

Regular gatherings of EWGs throughout the programme supported UKTIN's ecosystem building objective



Strengthening the innovation ecosystem

UKTIN's drive to build the UK's future telecommunications capabilities was supported by a series of high-impact events and workshops between 2023 and 2025, ranging from expert-group sessions to major ecosystem gatherings. Across the programme, the Future Capability Expert Working Groups frequently hosted events to test and share findings, particularly in wireless, AI, security and non-terrestrial networking, ahead of refining their strategic capability papers.

In parallel, UKTIN ran an expanding set of Future Capability Workshops convening industry, academia and government around long-term research and innovation priorities. UKTIN also delivered forward-looking, capability-building events at scale, such as the AI & Advanced Communications Conference bringing together over 180 experts to explore next-generation AI-driven telecommunications innovation, and a series of MWC 2025 Future Networks Webinars covering AI, quantum, 6G, NTN and the foundational building blocks of future UK networks.

Outputs, Outcomes and Impacts

- Nine Expert Working Groups and over 180 senior experts developed evidence-based capability assessments and R&D&I roadmaps.
- Nine Future Capability Papers and nine R&D&I roadmaps across AI, Wireless, Security, Core, management/automation, Optical Communications and Photonics, Semiconductors, Non-Terrestrial Networks and Standards.
- The two academic reports, titled “Strategic Working Group Report: Future Networks” and “UK’s Strengths in Future Networks Academic Research Strategic Report”, provided a detailed academic assessment of UK strengths, priority research areas, and long-term opportunities in next-generation networks.
- First cross-ecosystem consultation structure providing a single, credible reference for priorities, gaps and sequencing, improving market visibility via Market Insights.
- Findings directly informed DSIT’s ACT research capabilities and future programmes, reducing replication and coordinating spend with national advantage. UKTIN’s events enabled early validation and refinement of the UK’s future capability assessments, ensuring strategic papers were grounded in broad technical consensus, while strengthening cross-sector alignment on long-term telecommunications priorities.



CHALLENGE 4:

Low commercialisation of UK innovation

The UK Government's '5G Supply Chain Diversification Strategy' aimed to deliver a robust, secure and diverse telecommunications ecosystem. While the UK had, and still has, a vibrant research and start-up culture, there was a gap between innovation and commercialisation. The barriers to market entry were high and complex, while the disordered nature of the telecommunications sector made the interoperability of cutting-edge technologies with incumbent products difficult.

Mechanism used to increase innovation commercialisation

Transforming Telecoms Programme

The Transforming Telecoms Programme and the UKTIN Innovation Platform normalised investment-readiness and market-entry support for early-stage telecommunications ventures. UKTIN created a shared commercial language between founders, partners and investors.

UKTIN built fast, low-friction routes to pilots, proof of concepts and investor engagement, and used SSGS to connect innovators to testbeds and facilities. The UKTIN Innovation Platform and Investment Workout initiatives turned world-class research into credible commercial narratives, reducing the historic attrition between lab and market.

The programme was jointly led by the University of Bristol and the SETsquared Partnership with valuable support from Digital Catapult, Satellite Applications Catapult and Compound Semiconductor Applications Catapult. The initiative bridged the gap between innovation and market adoption, providing fast, efficient routes to partnership opportunities and market entry, and supporting early-stage companies in proof-of-concept, pilot partners, and investment narratives.

“

A very worthwhile and thought-provoking course which will be useful for creating long term impact and success.”

Commercialisation Through Partnerships participant

“

There was great leadership on the suggestions, with some great knowledge shared and really useful tips, and the materials were brilliant too”

Flow Collingwood, CEO/Co-Founder of Pan Galactic, an award-winning UK Space Tech Startup

Outputs, Outcomes and Impacts

- 313 registered users, with 23 workouts completed by 231 participants from 205 companies.
- Companies reported tangible outcomes including new jobs, refined partnership strategies, validated fundraising and entry into strategic programmes.
- Normalised commercialisation support in telecommunications, creating a continuing pipeline of investable UK ventures linking labs, facilities and markets beyond UKTIN’s lifetime.

CHALLENGE 5:

Insufficient UK voice in global telecommunications standards

Telecommunications by its very nature is interconnected: every mobile phone needs to be able to allow a conversation with any other mobile phone; any mobile phone or laptop wants to be able to access any website. Technical standards therefore play an important role in telecommunications' connectivity and most innovation in telecommunications interacts with standards in one way or another. But navigating the world of standards can be tricky: there are many powerful players with strong commercial (and sometimes national) forces.

Mechanism used to strengthen the UK's voice in global telecommunication standards

Standards Champion and Standards Expert Working Group

Through collaboration and its international outreach, UKTIN demystified standards processes, shared timely intelligence from inside standards bodies, and built pathways for non-incumbent players to contribute—broadening participation and aligning UK priorities with where specifications are set.

University of Bristol, through its Standards Champion and the Standards Expert Working Group, helped academia, government, and businesses better understand the importance of telecommunications standards for UK industry and improved the sector's access to support on standards, especially SMEs who need it most. UKTIN raised the UK's voice and fluency in critical standards councils (3GPP, IETF, ITU-T SG15, and open-source ecosystems under the Linux Foundation).

UKTIN leaves behind a better-connected, better-informed UK standards community, involving start-ups and academics who historically struggled to participate. The EWG's policy-shaping recommendations now provide a playbook for sustained UK influence as 6G, AI-native networks and cloud-native telecom stacks evolve.

Standards Expert Working Group meeting



“

From standards development perspective, the interaction with technology area experts - including areas yet to trigger full scale standardisation efforts at international level - provides an excellent basis to develop consensus on future objectives within the community. This strategic value can already be seen, and further ongoing effort will help to fully realise it.”

Dr Luis Lopes, Co-Chair Standards Expert Working Group

Outputs, Outcomes and Impacts

- UKTIN strengthened UK influence in telecommunications standards by delivering extended outputs—attended 18 standards meetings, produced a catalogue of 18 expert blogs and articles, hosted six standards workshops and supported 10 SMEs.
- Demystified processes and provided timely intelligence from inside standards bodies to align UK priorities with specification work.
- EWG recommendations now provide policy options and a community that is better connected to shape future telecommunication networks, AI-native and cloud-native stacks.

CHALLENGE 6:

Disconnected skills and infrastructure innovation policies

Addressing the telecommunications skills challenge was a core UKTIN priority, responding to a well-documented engineering skills gap driven by an ageing workforce, limited new entrants, and insufficient diversity. Without intervention, this gap risks constraining innovation and adoption of advanced connectivity technologies.

Mechanism used to connect skills and infrastructure innovation policies

Talent Advisory Group

Through its Talent Advisory Group (TAG), UKTIN partner WM5G established the UK's first telecommunications skills network and institutionalised a national skills coalition, contributing to the UK's first Telecoms ICT Career Framework and establishing durable pipelines into the sector. Perhaps most importantly, UKTIN reframed the narrative from “telecommunications” to “connectivity”, which resonated with educators and young people and will continue to improve attraction and diversity in the talent pool powering future networks.

UKTIN used its convening powers to bring together employers, providers and government around practical resources: careers content bank, a Young Ambassador Programme, and targeted outreach. It bridged skills policy strategies with infrastructure innovation to match capability growth with workforce readiness.

The network raised awareness by participating in events that promoted cluster engagement and supported technology and telecommunications career fairs, helping individuals explore training, employment, and entrepreneurship opportunities. The UKTIN website served as a national resource for information on telecommunications and technology qualifications. The marketing and events teams ensured effective outreach, clear communication, and well-organised activities, increasing the visibility and reach of each initiative.

UKTIN engaged with schools, colleges, and universities to raise awareness of careers in connectivity:



“

The intervention has also helped the school better understand the career paths in telecommunications and enabled them to more confidently engage with students about opportunities. The students will also use this experience for their personal statements for university applications. They can talk about the skills they developed in your session.”

Trina Tiernan, work-related Learning & Employability Manager Joseph Chamberlain College

“

The lack of new technical personnel is recognised as a matter of concern within NICC member organisations. As a representative of NICC Standards Limited, I have attended most of the UK UKTIN Talent Advisory Group online events/ presentations. These events are always well attended, with excellent speakers covering a wide range of relevant aspects concerned with attracting young talent into the sector. UKTIN TAG have reached out to diverse areas of the technology sector, co-ordinating activities to help graduates understand more about this sector and exposing opportunities therein.”

Nick Ireland, Technical Representative, NICC Standards Limited

Outputs, Outcomes and Impacts

- The TAG comprised of 137 members and reaching 2.1 million young people.
- Developed the UK’s first Telecommunications ICT Career Framework, giving the sector long-needed clarity on roles, pathways, and competencies.
- Advanced diversity and inclusion through targeted initiatives, including Women in Telecoms and created sector-wide resources such as a careers content bank and the Young Ambassador Programme.
- Reframed “telecommunications” as “connectivity”, aligning employers, providers and government on roles, competencies and entry routes to address shortages and diversity.
- Established repeatable models for outreach and transition from education to practice, anchoring talent development alongside infrastructure and R&D investments.
- Provided a national information hub through the UKTIN website, enabling easy access to telecommunications and technology qualifications.

CHALLENGE 7:

Slow adoption of advanced connectivity technologies

DCMS's 'Wireless Infrastructure Strategy' outlined the UK's goal of achieving nationwide 5G coverage in populated areas by 2030 and expanding innovative 5G services for the private and public sectors. The Government invested £40 million to establish ten 5G Innovation Regions and £8 million to enhance satellite connectivity in remote areas, in addition to the existing £250 million 5G Testbeds and Trials programme. In June 2025, DSIT announced a £240 million programme for new connectivity technology and a £130 million initiative to strengthen the UK Telecoms Lab and improve network safety and reliability.

Despite these investments, adoption remained slow as sectors were cautious about transitioning to new connectivity technologies. The telecommunications sector required clearer guidance, improved collaboration, and increased cooperation to raise awareness and drive adoption.

Mechanisms used to accelerate the adoption of ACT

Adoption Working Groups

UKTIN developed a framework to accelerate the adoption of advanced connectivity technologies across key UK sectors and established five Adoption Working Groups (AWGs) covering Health and Social Care, Transport and Logistics, Manufacturing, Agriculture, and Regional. This activity, led by WM5G, gathered information on the use of advanced wireless technologies in public and business settings and compiled a comprehensive library of real-life examples and resources for new users.

These groups shared new ideas, attracted investment, and helped shape national plans, ensuring UKTIN's knowledge and tools were easy to find across the UK. The AWGs made a lasting difference by using fact-based methods that provided policymakers with useful information, gave organisations proven resources, encouraged teamwork across sectors and regions, and established clear ways to grow new ideas across the UK. This foundation will accelerate the rollout of advanced connectivity and deliver benefits across many sectors.

UKTIN also convened a series of workshops for the University of Bristol's JOINER and Digital Catapult's SONIC Labs programmes, bringing together users and suppliers for demonstrations, case studies, and presentations on rapid, cost-effective testing. These sessions offered practical insights for future collaborations and promote the adoption of advanced connectivity technologies. Both organisations continue to provide opportunities for hands-on testing and the practical application of research.

Digital Catapult's SONIC Labs and University of Bristol's JOINER advanced connectivity technology workshops, attended by UKTIN members, helped advance sector knowledge on next-gen technologies.

A quick look at moments captured across JOINER & SONIC Labs advanced connectivity technology workshops, attended by UKTIN members



“

This forum is delivering valuable opportunities for cross-sector engagement. For those involved in the development and implementation of new tech (in some instances with global manufacturers) it is great to have an opportunity to share technical and policy challenges in a non-competitive space that is very much focused on the UK. This is important because it allows for some attention to be paid to what the UK can do to deliver a supportive and broadly benevolent regulatory landscape, thereby anchoring tech development here rather than overseas.”

Rob Merrall, AgriTech Innovation Consultant, AgriTech Adoption Working Group

“

The objectives of the UKTIN transport and logistics working group mesh really well with what I am looking to achieve in my role in DfT; to support the improvement of digital connectivity on the UK’s transport network in order to make transport greener, more efficient and better for the user. It is a great forum to help me ensure that work going on in different modes (aviation, maritime, rail and road), different sectors and different government departments are coordinated and coherent.”

Dr. Michaela Nelson, Transport & Logistics Adoption Working Group, Head of future telecoms and digital connectivity, Science, Innovation and Technology (SciTec)

Outputs, Outcomes and Impacts

- A trusted environment that brings together industry expertise to inform future capability strategies, provide advice and guidance, and offer impartial input to Government through UKTIN as policies evolve.
- Support for wider technology adoption through the expansion of a library of 46 practical case studies and toolkits containing replicable examples and use cases highlighting real-world benefits, challenges, and delivery outcomes.
- Raised awareness amongst stakeholders in key sectors about how ACT solutions can address challenges and create opportunities, using real-world examples and connecting with adopters to share insights.
- Papers for DfT, DSIT and National Highways to support a proposal for a collaboratively funded 5G pilot road on the Strategic Road Network (SRN) with stakeholders through Transport Research & Innovation board (TRIB).
- Paper for DSIT detailing the scope of research necessary to understand the societal and economic benefits that could come from addressing today’s market failures for the supply of train passenger connectivity services.

MEASURED OUTCOMES & CULTURAL SHIFTS

UKTIN leaves a legacy of a more coordinated, confident, and capability-driven UK telecommunications ecosystem. It established a clear entry point for innovators, an evidence-based national roadmap, a growing pipeline of investable ventures, stronger influence on international standards, connected skills pathways, and practical adoption toolkits that are already accelerating deployment of innovative telecommunications technologies.

UKTIN delivered measurable, system-wide improvements across the UK telecommunications sector. By uniting Expert Working Groups, Future Capability Groups, Clusters Forums, suppliers, policymakers, and investors, it reduced fragmentation and established a shared national entry point for innovation.

This cultural shift toward open collaboration was reinforced through capability-focused events, workshops, and briefing sessions, including the AI & Advanced Communications conference. These activities enabled rapid knowledge exchange and alignment on long-term R&D priorities. Policymakers gained faster access to expert insight, the industry benefited from expanded commercial pathways, and new suppliers entered the market with less friction. UKTIN established a culture of transparency, coordinated problem-solving, and cross-sector visibility that was previously lacking.

Value beyond metrics

UKTIN delivered ecosystem value at an unmatched scale. By 2026, its network included over 2,800 organisations and more than 6,500 individuals. Future Capability Working Groups mobilised more than 180 experts to produce strategic recommendations shaping the UK's R&D direction to 2035. The AI & Advanced Communications Conference brought together over 140 leaders, while the AI Discovery Toolkit generated more than 300 engagements at MWC alone, highlighting strong demand for UK capability.

The Supplier Specialist Guidance Service further extended this reach, supporting over 3,100 individuals at major industry events through signposting, market insight, and investment guidance. From 2023 to 2025, numerous capability workshops and Horizon-focused events created feedback loops that aligned national priorities, strengthening trust, visibility, and strategic coherence across the UK telecommunications ecosystem.

A system that understands itself

UKTIN enabled the UK telecommunications ecosystem to observe, understand, and coordinate itself as a connected system. Its research tools, market intelligence, and Future Capability reports identified national strengths, capability gaps, and priority areas for intervention. The Future Capability Strategic Leadership Forum unified insights from Expert Working Groups, providing a clear view of the UK's pathway to 2035 and beyond.

System-level visibility was further supported by capability events, cross-domain workshops, and webinars, which created ongoing feedback loops across industry, academia, government, and investors. The Supplier Specialist Guidance Service translated insights into practical support, engaging hundreds of companies at major events such as MWC, Connected Britain, CWTEC, and Cambridge Tech Week. These mechanisms helped the UK telecommunications sector become more self-aware, interconnected, and strategically aligned with its future capability needs.

CONCLUSION

UKTIN leaves more than deliverables, it leaves a coordinated, capability-driven national telecommunications ecosystem. It has shown how a government-backed innovation network can reduce friction, accelerate commercialisation, and drive system-wide transformation.

Much of the work was overseen by the UKTIN Advisory Board, which played a central role in supporting the network's operations by providing independent advice, strategic guidance, sector insight, and policy input, while championing R&D&I across the UK. Comprising of around twenty members from a cross-section of industry, academia, operators, government observers, and the delivery consortium, the Board reflected a balanced mix of supply- and demand-side expertise. Members were appointed through a rigorous, EDI-aligned selection process and met quarterly to guide and review progress across the programme. UKTIN gratefully acknowledges the Advisory Board's valuable contributions, whose expertise and commitment significantly shaped the quality and direction of the project.

By connecting the UK's diverse telecommunications landscape, including EWGs, adoption groups, regional clusters, investors, and suppliers, UKTIN created a unified capability engine that enabled faster discovery, better decision-making, and stronger global influence. It opened clearer commercial pathways, empowered new vendors, and provided policymakers with a trusted interface to industry, delivering system-level change and leaving a more aligned, resilient, and future-ready sector.

To preserve UKTIN's achievements, the UK needs a lasting coordination mechanism. This mechanism should maintain system-wide insight, support ongoing capability building, and unite the ecosystem around shared priorities. UKTIN's interventions delivered system-level change, leaving behind a more aligned, resilient and future-ready telecommunications sector.

GLOSSARY

ACT	Advanced Connectivity Technologies
AI	Artificial Intelligence
AWG	Adoption Working Groups
CWTEC	Cambridge Wireless TEC conference
DCMS	Department for Culture, Media and Sport
DfT	Department for Transport
DSIT	Department for Science, Innovation and Technology (from February 2023)
ETSI	European Telecommunications Standards Institute
EU	European Union
EWG	Expert Working Group
FYUZ	Industry Event Name (Telecom Infra Project)
ICT	Information and Communications Technology
IETF	Internet Engineering Task Force
ITRI	Industrial Technology Research Institute (Taiwan)
ITU-T SG15	International Telecommunications Union – Telecoms Study Group 15: Responsible for access and transmission networking including optics
JOINER	Joint Open Infrastructure for Networks Research

MoU	Memorandum of Understanding
MWC	Mobile World Congress
NTN	Non-Terrestrial Networks
Open RAN	Open Radio Access Network
R&D(&I)	Research and Development (and Innovation)
ROI	Return on Investment
SME	Small-and medium-enterprises
SONIC	SmartRAN Open Network Interoperability Centre
SSGS	Supplier Specialist Guidance Service
TAG	Talent Advisory Group
TAN	TAN Media (marketing/PR)
TRIB	Transport Research & Innovation Board
UKTIN	UK Telecoms Innovation Network
UKI-FNI	UK-India Future Networks Initiative

For more information about University of Bristol work please visit:

www.bristol.ac.uk

For more information about Digital Catapult work please visit:

www.digicatapult.org.uk

For more information about Cambridge Wireless work please visit:

www.cambridgewireless.co.uk

For more information about WM5G work please visit:

www.wm5g.org.uk

For more information about UKTIN, including downloadable papers, use cases, and other helpful resources please visit:

<https://webarchive.nationalarchives.gov.uk/ukgwa/20260220111150/https://uktin.net/>