GTI

Industry Briefing

October- December, 2025

Edited by GTI Secretariat

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Major Events

GTI Summit (March @ MWC Barcelona)

Time: March Location: Barcelona Theme：5G-A×AI

- Speakers: 10 industry leaders delivered speeches
- Participants: Over 1,000 attendees from more than 30 global operators and more than 200 industry partners.
- Publicity Reach: 20k+ live replays, 3k+ media impressions (200k+ total views)

Major Outcomes

- Released joint report: GTI 5G-AxAI New Technology, New Case, New Model White Paper
- Launched "GTI 5G-A×AI 100 Commercial Campaign" (30+ international organizations/operators/industrial partners)
- Made 5G-A×AI integration a global industrial consensus, establishing a benchmark of new digital-intelligent innovation

GTI Summit （June @ MWC Shanghai)

Time: June Location: Shanghai Theme：Envisioning the Future, From 5G-A to 6G

- Speakers: 14 industry leaders delivered speeches
- Participants: Over 1,500 participants from more than 30 global operators and more than 200 industry partners
- Publicity Reach: 20k+ live replays, 5k+ media impressions (200k+ total views)

Major Outcomes

- Released flagship Reports: Mobile Intelligence Integration Index Report, 5G-A Ignites the Three-Types of New Intelligent Services, Data Center in the Generative AI Era
- Roadshow of World's 1st 5G-A humanoid embodied intelligent robot
- Held GTI & GSMA "New Calling × AI" Challenge awards (20 global enterprises/universities winning awards)
- Discussed 5G-A-to-6G evolution, scenario/app-driven tech development, 6G first-mover opportunities, deepening tech-industrial integrated innovation

GTI Forum (July @ ITU AI for Good, Geneva)

Time: July Location: Geneva Theme：Mobile AI for Good

- Speakers: **14 industry leaders** including Deputy Secretary General of ITU, international organizations, regulators and universities
- Participants: **Over 100 diverse attendees** form 60+ organizations, government agencies, operators and ICT partners, universities and research institutions
- Publicity: 10+ articles, clips, interviews & blogs; covered and reposted by global media/guests with over 150k views

Major Outcomes

- Further consolidated global consensus on network-intelligence integration & inclusive AI
- Gathered diverse innovative resources and boosted GTI's influence in the AI area
- **Released 6G Open Testbed**: Jointly launched by China Mobile, GTI and over 30 first-batch university/enterprise/research partners incl. ITU, building blocks for digital-intelligent innovation

The 2nd GTI Forum on Digital Intelligence · Hong Kong (September)

Time: September Location: Hong Kong Theme：Openness, Sharing, Cooperation Advancing AI Development

- Speakers: More than 20 industry leaders
- Participants: Nearly 600 participants from 16 countries around the world and more than 70 partners
- Publicity Reach: Domestic and international search visits have surpassed 1 million

Major Outcomes

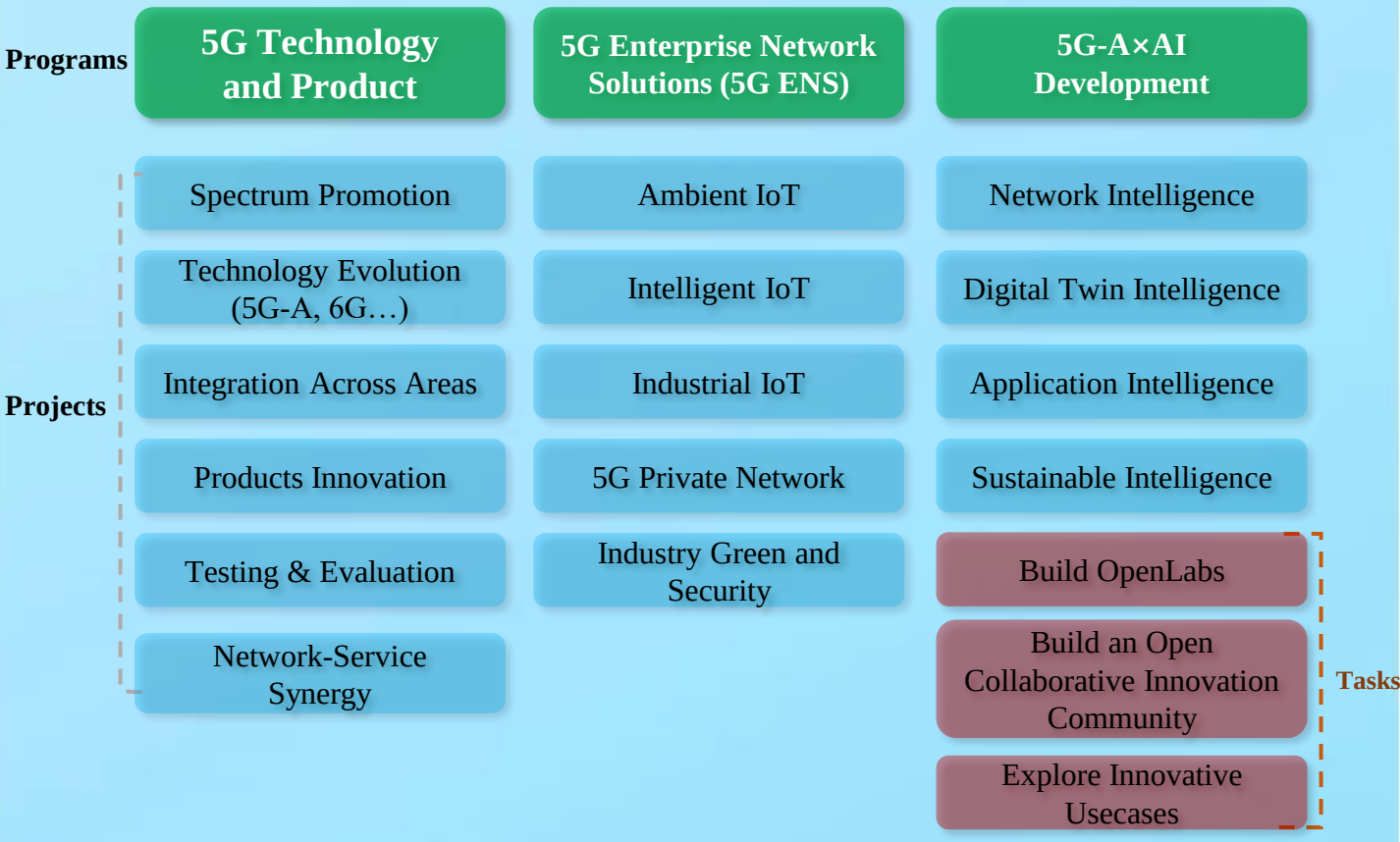
- Global Debut: Beijing-Hong Kong Interconnection of AI-Native 6G Test Device and Hong Kong Node, and the Global "AI+" Industry-University-Research Ecological Cooperation Initiative
- Centering on the three themes of Digital Intelligence Frontiers, Digital Intelligence Applications, and Digital Intelligence Ecology, the event featured 11 exhibition exhibits

GTI Technical Work

Collaborate with global industries, focus on key technical issues and lead industry development

Carry out 3 programs

Technical Work Architecture



Breakdown into multiple tasks to research on key technical issues and promote the industry development

5G Technology and Product

Focus on advancing 5G/5G-A new technology evolution and cross-domain integration, innovating and promoting 5G products, and explore potential spectrum resources and application scenarios, to promote global 5G end-to-end network development, technological innovation, maturity of services and products, and accelerate large-scale commercialization of 5G/5G-A technologies

Promote Evolution of New 5G/5G-A Technologies

5G-A Low-altitude Intelligent Network: Promote innovated solutions and release white papers and prototype systems to accelerate industrialization

Green 5G and Energy Saving: Make breakthroughs in green 5G and network energy-saving technologies, improve network O&M efficiency, and enable flexible allocation of base station resources to improve 5G network energy efficiency

Test Certification for End-to-end Intelligent Capabilities: Conduct test and evaluation for intelligent capabilities of 5G-A network and devices, provide third-party evaluation and certification for mature Al capabilities and products of network and devices, as well as promote globally balanced development of Al to help upgrade the industry products

Strengthen 5G Technology Innovation and Promotion

Network Products: Promote low-cost base station products series aiming at different scenarios, to meet diversified coverage needs and improve network coverage efficiency while reducing network construction costs

Device Products: Promote new device products such asRedCap (lightweight 5G) products and immersive de vices (glasses-free 3D, XR, etc.), to facilitate development and large-scale application of 5G/5G-A new services and products

Accelerate 5G/5G-A Commercialization and Value Creation

Experience Sharing: Facing current situation and needs of 5G development in different regions of the world, share 5G commercial experience and use cases, analyze development needs of 5G-A, and further promote balanced development of global mobile communication technology

Trend Research: Collaborate with GMA and other international organizations to study the trend of 5G/5G-A technology development and deployment, and provide reference for GTl members and global partners in the process of 5G/5G-A development

Value Exploring: Share 5G/5G-A benchmark use cases (XR, Low-altitude Economy, etc.), explore business models, and promote scaled 5G/5G-A commercial use

Released 60+ White Papers

5G-A Ignites the Three-Types of New Intelligent Services

GTI 5G-AxAI Intelligence Capability Test Specification

GTI AI-Based Autonomous Security Protection System White Paper

GTI 5G-A Wireless Network Intelligence Evaluation System White Paper

GTI White Paper on IMT System Operating in 6GHz Band Coexistence with Incumbents

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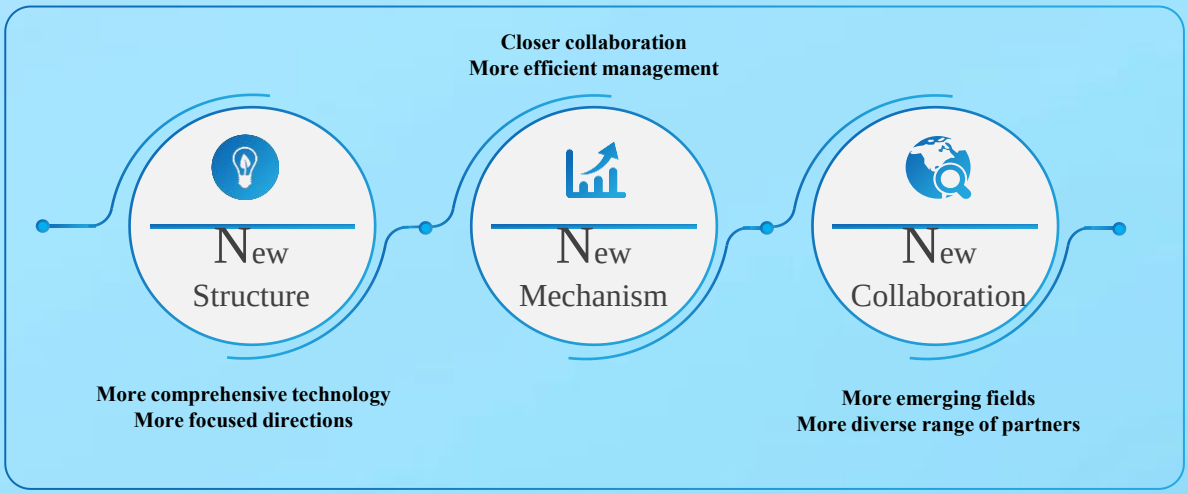
In 2025, 5G Technology and Product Program moved forward with innovation, focusing on 1 new structure, 2 new mechanisms, and 3 new types of cooperation.



5G Enterprise Network Solutions (5G ENS)

Focusing on key domains such as ambient loT, 5G private networks, industrial intelligence, and industrial loT, we conduct work in demand exploration, technological innovation, product R&D, value assessment, and application promotion. This accelerates the deep integration of ICT and OT, fully unleashes the commercial value of 5G, and drives the digital transformation and development of global vertical industries

Driving 5G-A Industry Technical Innovation with Scenario Demands

Ambient loT: Focus on cross-border logistics management, conduct research on global unified identification for ambient loT, and promote the construction of an "item digital ID card" system
Deterministic Networking: Formulate a development path for deterministic wireless technologies and build high-quality enterprise wireless networks
AI+ loT Big Data Computing Force: Integrate large model technology to provide operational capabilities for customers through business prediction

Conducting 5G Private Network Assessment and Application Expansion

Requirement Analysis: Review of 5G private network projects and in-depth analysis of core needs for 5G private networks in various industries
Assessment Strategy: Carry out research on value evaluation strategies for 5G private networks focusing on industrial scenarios, and build a user-centered value evaluation framework
Application Expansion: Identify new scenarios and demands, and innovate end-to-end solutions centered on 5G and characterized by network-service integration

Deepening Global Industrial Cooperation and Joint Achievement Creation

Achievement Sharing: Invite international industry organizations such as GSMA and 5G-ACIA, as well as vertical industry partners, to jointly discuss the development trends of industry digitization and intelligence, and co-host seminars to share achievements
Industrial Cooperation: Launch global cooperation initiatives for the 5G private network value evaluation system and the unified identification system for ambient loT, gather upstream and downstream industrial resources, and jointly promote the digital transformation of vertical industries

Released 60+ White Papers

5G-A Ignites the Three-Types of New Intelligent Services

GTI 5G-AxAI Intelligence Capability Test Specification

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In 2025, 5G ENS work gtoup focused on 2 technological directions (AIoT and 5G private Network), improve management mechanisms, deepen collaborative relationships, and enhance work efficiency and industry influence.

Technology Focus

Ambient IoT (AIoT):
- Cross-domain scenario exploration
- AIoT global unified identification to enable global logistics interconnectivity
- AIoT-based sensing capabilities

5G Private Networks:
- Identify core value
- Explore application potential
- Establish evaluation methods

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Management Mechanism

Management-Level Meetings:
- Monthly regularly organized
- Progress tracking
- Performance review
- Coordination across projects

Webinars:
- Long-term collection of valuable topics
- Rotational organization by coordinators

Collaboration Deepening

Partners: GSMA, 5G-ACIA, 3GPP, ATIA...
Collaboration Models:
- Co-organize workshops and webinars
- Co-release collaboration initiatives: AIoT unified identification, 5G Private Network Value Assessment System
- Co-release benchmark achievements
- International market promotion

5G-A×AI Development Program

GTI has released the 5G-A×AI Development Program, aiming to build industry consensus, gather industry taskforce, and promote integrated innovation of 5G and AI, support digital intelligence in economy and society, and create new revenue space for industrial development.

Task 1: Build Open Labs

Provide basic environment, equipment facilities andother resources for 5G-AxAl integration innovationand carry out joint research and technology test!

Established 8 Open Labs

- GTI-China Mobile OpenLab (Beijing)
- GTI-Huawei OpenLab (Shanghai)
- GTI-ZTE OpenLab (Shanghai)
- GTI-Ericsson OpenLab (Stockholm)
- GTI-Intel OpenLab (Chandler (U.S.), New Mexico, Beijing, Taipei, Penang)
- GTI-Asix (Sinarmas) OpenLab (Jakarta)
- GTI-Universiti Malaya OpenLab (Kuala Lumpur)
- GTI-Qualcomm OpenLab (London)

Task 2: Build and Open Collaborative Innovation Community

Establishing an open platform for knowledgesharing and supply & demand matching

Released 3 Challenges

GTI-GSMA New Calling x AI
- Opened in October 2024
- Winners to be announced: June 2025

GTl-GSMA Wireless Network Intelligence
- Opened in November 2024
- Winners to be announced: 2026

GTl Secure Federated Learning (Research Topic AreaSupported by GSMA)
- Opened in August 2025
- Winners to be announced: September 2025

Task 3: Explore Innovative Use Cases

Explore5G-AxAl integration use cases andbenchmark usecases, and condense them into replicablebusiness model tiemplates to provide commercial applications

Released 10+ White Papers and Industry Research Reports

5G-A x AI:
New Era, New Opportunities, New Value

5G-AxAI New Technology, New Case, New Model

Mobile Intelligence Integration Index (MI³) Report

To understand global mobile intelligence coordination and measure integration levels, GTI proposes the **Mobile Intelligence Integration Index**. With 15 core indicators across 3 dimensions (**mobile broadband, intelligence, integrated application maturity**), it seeks a quantitative, dynamic evaluation system. As a "universal benchmark," it guides regulators, operators, and players to spot opportunities and fill gaps.

MI³ = Mobile Broadband Maturity × Intelligence Maturity + MBB and Intelligence Integration Maturity

Mobile Broadband Maturity
- 5G subscription penetration
- 5G traffic share in total cellular traffic
- Enterprise 5G share in total 5G connections
- Wireless private network announcement
- 5G-Advanced developments

Intelligence Maturity
- Data center infrastructure
- Data center server
- Enterprise AI activities
- AI Skill-AI job posting
- AI Strategies-National AI/GenAI strategies

MBB and Intelligence Integration Maturity
- Technology standard
- Industry ecology
- Business model
- Governance framework

Global MI³ Score(0-110)

Pioneer Markets Lead in Integration Foundation

East Asia, North America, Western Europe lead in mobile communications, AI computing & their integration — paving the way for large-scale mobile intelligence integration.

Global Development Remains Uneven: AI Divide Intensifies

Following the digital divide, the challenge of the "AI divide" has quietly worsened, leading to unbalanced progress in global mobile intelligence integration.

AI Inference Demand Fuels the Matthew Effect

Surging demand for AI inference further drives mobile intelligence integration, exacerbating the "stronger grow stronger" Matthew Effect in regional development.

Scan to download Full Report

European telcos want €30 billion price break on spectrum

European mobile operators are looking to get the cost of renewing their spectrum licences renewed reduced by €30 billion over the next decade.

BRUSSELS, Dec. 9, 2025 — European mobile operators are calling for a €30 billion reduction in spectrum licence renewal costs over the next decade, with industry body GSMA releasing a new report Tuesday to persuade regulators and policymakers that the savings will be reinvested in network upgrades, particularly 5G standalone (SA) deployment.

The GSMA's "Spectrum Pricing and Renewals in Europe" report highlights that Europe's current spectrum policies have fueled investment pressures on telcos. Over the past 10 years, total spectrum costs across the continent have tripled, now accounting for 8% of mobile operators' recurring revenues. While revenue per MHz of spectrum has dropped 54% since 2014, spectrum prices have not fallen proportionally—largely due to non-market factors such as high reserve prices, annual fees, and auction designs that limit available spectrum and inflate costs artificially.

The report projects that without reform, European telcos will face €104 billion in spectrum costs by 2035, as over 500 licences come up for renewal. It estimates that policy adjustments could cut this figure by up to €30 billion.

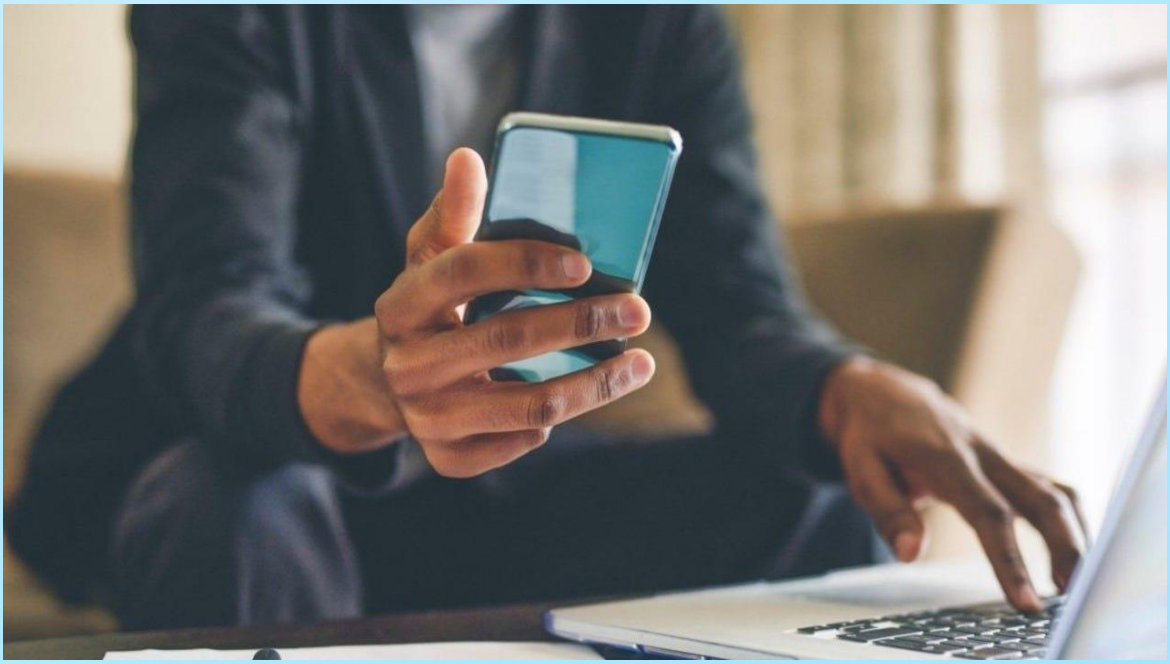
Key GSMA recommendations include renewing spectrum licences via administrative extensions instead of auctions, introducing indefinite automatic renewals, refraining from reserving spectrum for new entrants (which the body says inflates costs and curtails investment), and renewing licences well in advance to boost certainty. It also urges regulators to ensure mobile operators have at least 2 GHz of mid-band spectrum by 2030 for 6G deployment—including full allocation of the upper 6 GHz band for licensed mobile use and higher power allowances in the 3.8 GHz-4.2 GHz range.

The GSMA noted that the potential €30 billion in savings could fund the upgrade of all existing 5G networks to 5G SA, delivering up to 23% faster speeds and driving an additional €75 billion in GDP over the next decade. Currently, only 2% of Europeans use 5G SA services, compared to 77% in China and around a quarter in the U.S.—a gap that has stoked concerns about Europe falling behind in digital competitiveness.

While Europe has prioritized meeting its Digital Decade targets, the report emphasizes that spectrum cost relief is critical to reviving the continent's digital ambitions. Whether policymakers will embrace the proposal as the best way to close the 5G SA gap remains uncertain.

FAST market growing fast to $11 billion by 2030

The global market for free ad supported streaming TV will almost double between now and the end of the decade, with revenues set to reach US$11 billion by 2023, according to new analyst data.



LONDON, Dec. 5, 2025 — The global free ad-supported streaming TV (FAST) market is set to nearly double by 2030, with revenues projected to reach $11 billion, according to new analysis from Omdia. The research firm revealed that the market is already robust, on track to hit $6 billion in revenues this year as it enters a new phase of global expansion.

Omdia highlighted heavy investments from major hardware and platform providers as a key growth driver, naming Roku Channels, Samsung TV Plus, LG Channels, Pluto TV, and Fire TV Channels as prominent players. This investment, paired with rising consumer demand for free, easily accessible streaming options amid cost-of-living pressures, is fueling the market's rapid expansion.

Despite its strong growth, Omdia clarified that FAST is not replacing paid subscription services. A separate October report from the firm noted that online video subscriptions will account for 77% of the global video streaming market's projected $214.6 billion in 2025 revenues. Premium advertising revenue, including FAST, will reach $42.1 billion— a significant sum, but still secondary to subscriptions.

"Streaming remains primarily a subscription business, with paid subscriptions continuing to grow steadily in 2025," said Tony Gunnarsson, Omdia Principal Analyst, in October. "However, premium streaming is expected to see lower annual growth rates through 2030 as it reaches mass-market penetration globally."

Omdia's latest data shows FAST adoption is accelerating in both developed and emerging markets, with the US, Mexico, Brazil, and Spain leading growth. The US remains the global leader, with 65% of online adults watching FAST services monthly. Spain stands out as Europe's top FAST market, with 35% of online adults tuning in monthly—outpacing the UK (26%), Germany (25%), and France (17%).

"There is a clear and growing appetite for free, linear content, and Spain is leading Europe in this trend," said Maria Rua Aguete, Omdia Head of Media & Entertainment. "FAST has become a compelling alternative for viewers seeking high-quality entertainment without a subscription, and Spain's strong uptake underscores the model's power across the region."

The popularity of FAST comes as the crowded subscription video market vies for a share of consumers' strained budgets, making free streaming options increasingly attractive to audiences worldwide.

Vodafone coughs up €1.8 billion for control of Safaricom

Vodafone has struck a deal to acquire another 20% of Kenya-based telco Safaricom, increasing its exposure to one of the standout performers in its African footprint.

LONDON, Dec. 4, 2025 — Vodafone will acquire an additional 20% stake in Kenya's Safaricom for €1.8 billion, securing majority control for its Vodacom unit over the top-performing African telco. The deal is set to close in Q1 2026, pending regulatory approvals in Kenya, Ethiopia and South Africa.

Vodacom will pay €1.36 billion for the Kenyan government's 15% stake and €450 million for a 5% holding from Vodafone, boosting its ownership from 35% to 55% and making Safaricom a consolidated subsidiary of both Vodafone and Vodacom.

"This aligns with our growth focus, letting us take controlling stake in a high-performing African business," said Vodafone CEO Margherita Della Valle. She highlighted their 25-year partnership since 2000, including co-developing mobile money service M-Pesa that has advanced financial inclusion for millions.

Safaricom's strong performance justifies the deal: in the year to March 30, it posted €2.8 billion (ZAR54.6 billion) in revenue (up 21.7% YoY, 36% of Vodacom's group revenue), with service revenue rising 21% to ZAR52.2 billion and EBITDA up 15.3% to ZAR24.2 billion. Its customer base grew to 62 million by September, up from 57.1 million in March.

Key asset M-Pesa (a top African mobile wallet) processes 100 million monthly transactions for 38 million Kenyan users. Safaricom also leads Ethiopia's first private mobile operator (launched in 2022), which reached 8.8 million customers by end-FY2025 with 239% service revenue growth.

"This landmark deal accelerates Vodacom's African growth and impact," said Vodacom CEO Shameel Joosub. He added this strengthens market leadership and unlocks digital/financial inclusion opportunities in Kenya and Ethiopia, projecting a 50% EBIT surge for Safaricom in 2026 from Kenyan growth and Ethiopian expansion.

Safaricom CEO Peter Ndegwa welcomed the investment: "Vodacom has been a trusted partner from the start. Their confidence reflects our team, strategy, and growth potential, and we'll deepen collaboration to scale innovation and digital services."

Vodafone earned €136 million in Safaricom dividends in FY2025. The deal underscores its aim to capture more value from Safaricom's expansion and strong performance.

India's mobile fraud crackdown takes a sinister turn

India has ordered smartphone makers to pre-install a government-backed cyber security app on all new devices.

NEW DELHI, Dec. 2, 2025 — India's Department of Telecommunications (DoT) has ordered major smartphone makers including Apple, Oppo, Samsung, Vivo and Xiaomi to pre-install its government-backed cybersecurity app Sanchar Saathi on all new devices, with a 90-day compliance deadline, Reuters reported citing a private DoT order. Existing smartphones in the supply chain must receive the app via software updates, and users are barred from disabling it.

Launched by DoT in January 2025, Sanchar Saathi aims to curb mobile fraud, theft and scams. Its features include blocking/tracing lost/stolen handsets, reporting fraudulent calls/messages, checking unauthorised mobile number registrations under one's name, and a "Know Your Mobile" (KYM) tool to identify previously reported lost/stolen devices. Per Google Play, it has over 10 million downloads; DoT data shows it has helped recover 700,000+ handsets, with a record 50,000 recoveries in October.

However, the mandate has raised privacy alarms, particularly over the app's location-tracking capability. Tech lawyer and civil liberties advocate Mishi Choudhary noted the order "effectively removes user consent as a meaningful choice," warning of potential government overreach—using safety pretexts to expand the app's functions and intrude on privacy without permission.

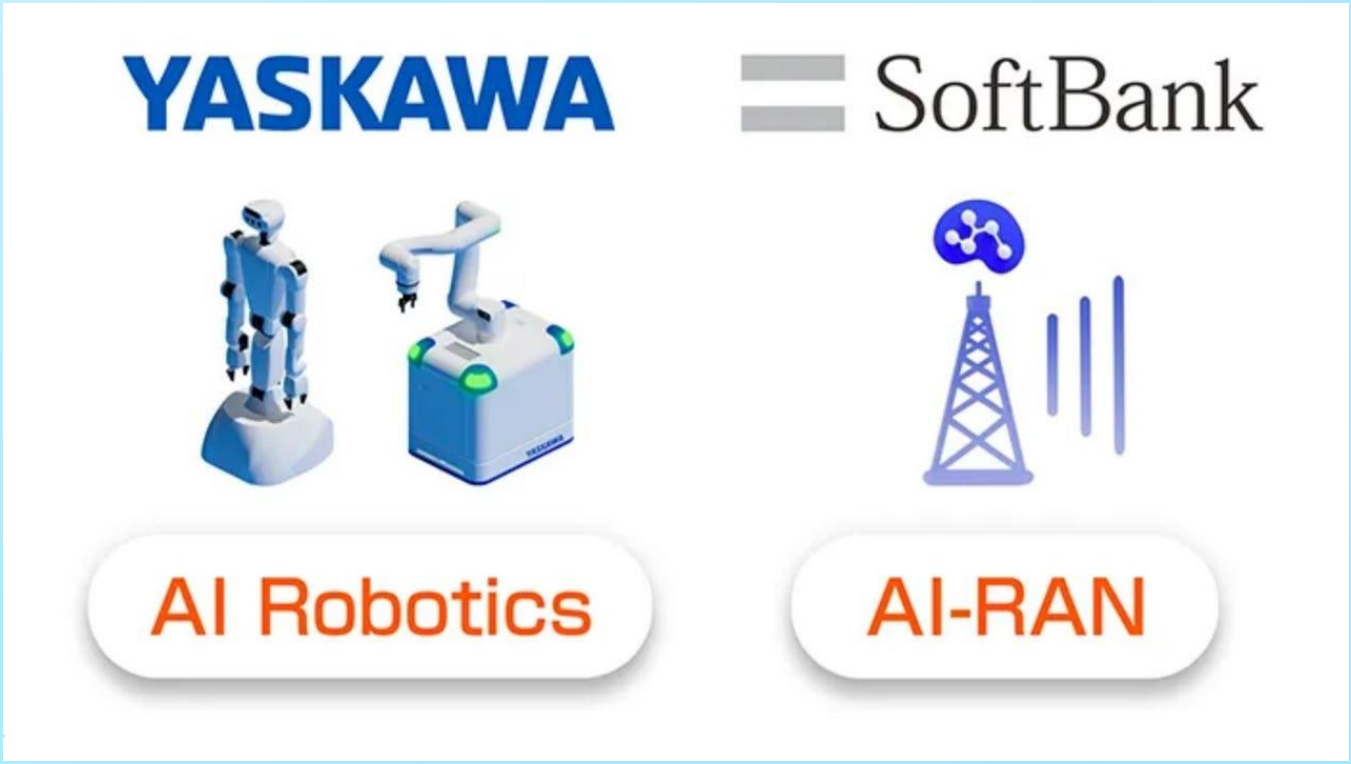
Apple is likely to push back, given its longstanding stance on user privacy. The iPhone maker is currently battling the UK government over access to encrypted iCloud data, and has consistently resisted government attempts to gain control over its devices.

Separately, the Financial Express reported DoT has ordered messaging platforms to restrict access unless they can detect a user's SIM card. Web-based versions of apps like WhatsApp, Signal and Telegram will require re-authentication every six hours— a "SIM binding" measure DoT says is to limit fraud.

While SIM binding alone draws little criticism, paired with the mandatory, non-disablable Sanchar Saathi installation, the moves have sparked widespread concerns over government overreach in India's anti-fraud crackdown.

SoftBank uses edge AI to make office robots more useful

Japanese telco SoftBank reckons the combination of AI and multi-access edge computing (MEC) can usher in a future of office workers and robots working together in perfect harmony.



TOKYO, Dec. 1, 2025 — Japanese telco SoftBank has partnered with industrial robot specialist Yaskawa Electric to develop an office-focused physical AI robot, aiming to foster seamless collaboration between office workers and robots via the combination of AI and multi-access edge computing (MEC).

SoftBank developed a vision-language model (VLM) deployed at the edge, which processes data from the robot's sensors and building management systems to generate operational instructions. Yaskawa equipped the robot with a vision-language action (VLA) AI model that translates these instructions into movements and tasks.

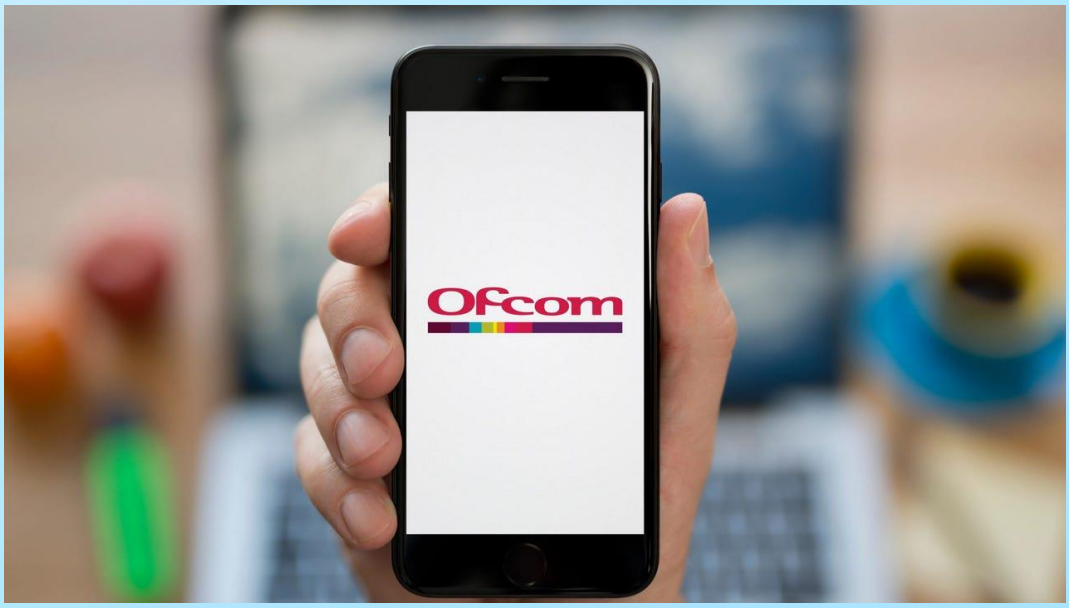
SoftBank noted that Japan's labour shortages (driven by declining birthrates and an ageing population) and increasingly complex business operations are fueling demand for automation solutions. While industrial automation is well-established, it remains challenging in people-dense environments like offices, hospitals and schools—settings requiring complex decision-making and flexible responses to unpredictability. The partnership aims to enhance robots' advanced decision-making capabilities and expand their task range.

The demo is tied to SoftBank's AI-RAN initiatives, though it focuses more on MEC-based AI applications than AI for RAN operations. The robot will be showcased at this week's International Robot Exhibition (iREX) in Tokyo.

Physical AI has re-emerged as a key focus for SoftBank's investment in nascent technologies. After selling Boston Dynamics (acquired in 2017) to Hyundai in 2020, SoftBank has rebuilt its robotics portfolio, including a $5.4 billion October deal to acquire Swiss firm ABB's robotics assets. ABB's industrial, mobile and collaborative robots will complement SoftBank's existing robotics units—such as Berkshire Grey, AutoStore, Agile Robots and Skild AI—raising questions about why it sought an external partner (Yaskawa) for this specific office robot use case.

UK government turns to Ofcom for fairness as O2 plays dirty on pricing

The UK government has called upon Ofcom to do more to ensure price transparency and fairness for consumers in direct response to a rate hike from O2 that angered the regulator last month.



LONDON, Nov. 27, 2025 — The UK government has urged regulator Ofcom to enhance pricing transparency and consumer fairness, responding directly to O2's recent rate hike that drew widespread criticism from the watchdog last month. Chancellor Rachel Reeves and Science, Innovation and Technology Secretary Liz Kendall jointly wrote to Ofcom, a letter overshadowed by Wednesday's Budget, calling for a review of existing pricing rules to better protect consumers amid ongoing cost-of-living pressures.

The missive highlights O2's decision to raise consumer bills by £2.50 in April 2026—up from a £1.80 hike announced last year. While the increase complies with Ofcom's January 2025 rules (requiring telcos to disclose mid-contract price rises in pounds and pence rather than inflation-linked percentages), it sparked backlash due to its size and drew Ofcom's public disappointment.

"We share your concern that these price rises run counter to the spirit of your previous regulatory changes," the MPs wrote. Ofcom had earlier stated the move "goes against the spirit of our rules" designed to boost customer certainty, adding it had reminded major mobile firms of their obligations and encouraged customers to exit contracts penalty-free to avoid the hike.

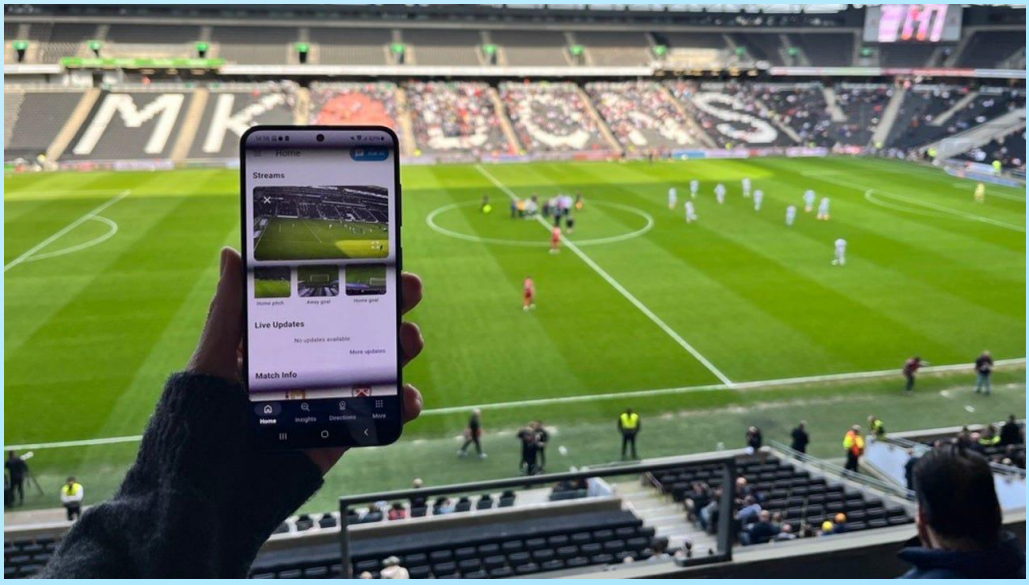
The government is pushing Ofcom to publish an interim review of the January 2025 pricing rules by Spring 2026, followed by a full review the next year, in addition to an existing report due in February. It also wants a separate assessment of the 30-day notice period for price hikes, questioning if it gives consumers enough time to switch providers.

Separately, Reeves and Kendall wrote to telecom CEOs, striking a balanced tone to avoid hindering infrastructure investment needed to meet 2030/2032 5G standalone and Gigabit broadband targets. They called on firms to commit to no uncontracted price rises, proactively move legacy customers to the pounds-and-pence pricing communication model, and clarify expected service quality in customer communications "where appropriate."

The MPs added they will convene a roundtable to discuss voluntary actions to support telecom customers and identify government measures to enable sector investment in digital infrastructure. "It is vital that customers can move to other providers as easily as possible in the face of uncontracted price increases," they emphasized in the letter to Ofcom.

AI and 5G trials promise signal boost for stadiums

Some AI and 5G trials at a stadium in Milton Keynes promise to improve signal for sporting events.



MILTON KEYNES, Nov. 25, 2025 — New AI and 5G trials at Milton Keynes' MK Dons football stadium have demonstrated significant improvements in connectivity for congested event settings, where thousands of users attempt to access mobile services simultaneously. Led by Weaver Labs, the trials were part of Project ARANA, a collaboration between the University of Bristol's Smart Internet Lab, AI firm Madevo, and other industry partners.

Conducted at the 30,400-seat stadium, the technology was powered by Weaver Labs' Cell-Stack, developed in partnership with Madevo and Nokia. It aims to enhance the in-stadium experience by enabling real-time match insights, video analytics (including player coordinates, formations, and tactics) for football clubs, and high-quality digital services for fans.

During the trials, fans streamed four high-quality live video feeds directly to their mobile devices. The solution also addresses long-standing operational pain points for broadcasters and event organisers, tackling network congestion, cabling complexity, and unreliable 4G performance during high-attendance events. Potential use cases include multi-angle live streaming, AI-driven team performance data, real-time player stats, interactive chatbots, 3D stadium mapping, queue navigation, in-seat food ordering, and enhanced safety features.

"Today's fans want the excitement of live matches paired with the digital comfort they enjoy at home," said Dr Alex Mavromatis, Co-founder and CEO of Madevo (a UoB spin-out that developed the AI models). "Our technology bridges that gap, letting fans share clips, order food from their seats, or dive into game stats like never before."

Professor Dimitra Simeonidou OBE, Director of the University of Bristol's Smart Internet Lab, noted: "This platform offers a cost-effective alternative to traditional cellular solutions for large venues, where connectivity often falters during peak usage. The successful trial marks a key milestone for our lab's 10th anniversary and aligns with our mission to define the future of connectivity via 5G, 6G, and platforms like the UK-wide JOINER testbed."

Additional trials at Stadium MK are planned for early 2026, with more applications and enhanced fan engagement features promised. Earlier in 2025, Boldyn Networks and Virgin Media O2 launched similar enhanced 5G connectivity at Sunderland's Stadium of Light via the Sunderland Open Network EcosysTem (SONET) project—billed as the UK's first full neutral host RAN managed service for high-density venues.

Nokia to expand US R&D by $4 billion

Nokia has announced plans to expand its US R&D and manufacturing capabilities to the tune of $4 billion in the pursuit of AI-ready mobile, fixed access, IP, optical, and data centre networking tech.

WASHINGTON, Nov. 24, 2025 — Nokia has announced a $4 billion multi-year investment plan to expand its U.S. research and development (R&D) and manufacturing capabilities. The focus will be on advancing AI-ready networking technologies, including next-generation mobile systems, fixed access solutions, IP infrastructure, optical communications, and data centre connectivity. This initiative is being carried out in collaboration with the Trump administration, building on Nokia's prior $2.3 billion strategic investment made through its acquisition of Infinera—a deal that already strengthened its position in the U.S. optical and data centre networking space.

Notably, Infinera had previously allocated $456 million to establish two U.S. manufacturing facilities, a project that secured incentives under the CHIPS Act. Under Nokia's new expansion plan, approximately $3.5 billion will be dedicated to R&D efforts, targeting advancements in key networking technologies and mission-critical defence solutions. The remaining $500 million in capital expenditures will fund manufacturing upgrades and R&D hubs across three key U.S. states: Texas, New Jersey (home to Nokia Bell Labs), and Pennsylvania.

The investment serves two core goals: strengthening Nokia's portfolio of AI-optimized networking solutions—essential for supporting the growing demand for AI-driven data traffic—and advancing research in high-priority areas like network automation, quantum-safe communication networks, and semiconductor technologies. It builds on the long-standing legacy of Nokia Bell Labs in New Jersey, which has pioneered transformative technologies from the transistor to modern AI-integrated systems over more than a century.

"Nokia's $4 billion investment is another Trump administration win for America," said Secretary of Commerce Howard Lutnick. "Their focus on manufacturing, packaging, and R&D for optical chips means the key technologies powering AI, data centres, and critical national security applications will be developed and built right here in the U.S.A."

Justin Hotard, Nokia President and CEO, added: "Nokia's innovations are foundational to today's critical network infrastructure, and this expanded investment reinforces our commitment to the U.S. market. By scaling AI-optimized connectivity across the country, we will help boost national security, enhance business productivity, and advance the next wave of networking innovation that will shape the future."

The move underscores Nokia's strategic pivot to deepen its presence in the U.S. market. It comes shortly after GPU giant Nvidia's $1 billion investment in Nokia, a collaboration that aligned the two companies on advancing AI-RAN (AI-optimized radio access network) technologies—critical for unlocking the full potential of 5G and future 6G networks across the U.S.

UK government chucks some money at satellite and AI

Five UK-led European satellite projects will get a bit of public money to help them, while promising to incubate 'promising' UK AI startups.

LONDON, Nov. 21, 2025 — The UK government has announced funding for five UK-led European satellite projects and a new package of AI support measures, aiming to boost the country's space sector and foster homegrown AI startups. The moves come ahead of an upcoming UK budget announcement.

The UK Space Agency is providing £6.9 million to five projects under the European Space Agency's (ESA) Advanced Research in Telecommunications Systems (ARTES) programme—highlighting ongoing UK participation in European space R&D post-Brexit. Allocations include £2.9 million to Orbit Fab for in-orbit refueling technology for electric propulsion satellites; £1.6 million to Cornwall's Goonhilly Earth Station to enable terrestrial communication with LunaNet; £1.19 million to Vicinity for space 5G development; £881,000 to Viasat for Phase 2 of the International Virtual Satellite Operators Network; and £356,000 to Archangel Lightworks and Eutelsat for the Space Optical Link Integration Study.

"Space technology, especially satellites, is essential to our daily lives—from sat nav and mobile phones to weather forecasts and online banking," said Liz Lloyd, UK Space Minister. "Backing our UK sector cements our position as a European space leader, creates high-skilled jobs, attracts investment, and ensures communities have access to space-enabled services."

Paul Bate, CEO of the UK Space Agency, added: "Today's investment turns the UK's space ambitions into real-world impact. Advancing satellite communications builds a globally competitive sector and ensures even remote UK communities can access vital services." Laurent Jaffart, Director of ESA's Connectivity and Secure Communications, noted the move will "strengthen European autonomy and sovereignty" while supporting a vibrant telecoms ecosystem and zero-debris space goals. The UK is a founding ESA member, with its participation remaining intact post-Brexit.

Separately, the Department for Science, Innovation and Technology (DSIT) unveiled AI-focused reforms, centered on the government acting as a "first customer" for promising UK AI hardware startups struggling to secure initial investment. It also confirmed £5 million in funding for each AI Growth Zone to retrain local workforces in AI skills, with the fourth such zone announced.

"We're determined to back British businesses to benefit from AI opportunities, bringing jobs and hope to communities in need," said Liz Kendall, Secretary of State for Science, Innovation, and Technology. Chancellor of the Exchequer Rachel Reeves added: "The fourth AI Growth Zone is our Plan for Change in action—creating jobs, unlocking investment, and cementing the UK's position as Europe's leading tech sector."

VMO2 to upgrade coverage across UK motorways

Virgin Media O2 has announced 4G and 5G improvements on around 40 major UK motorways and A roads, covering 590 miles of road.

LONDON, Nov. 20, 2025 — Virgin Media O2 (VMO2) has announced significant 4G and 5G coverage improvements across around 40 major UK motorways and A roads, spanning 590 miles. The upgrades aim to enhance network performance and reliability for road users, as part of the operator's ongoing mobile network investment.

Optimizations have been rolled out on key road corridors including the M1 (London–Leeds), M4 (London–Bristol), M6 (Coventry–Carlisle), and Scotland's M8 (Glasgow–Edinburgh). The project involves boosting 4G service at 311 sites and building 338 new 5G locations. VMO2 identified weaker coverage areas through its 'drive testing programme,' which measures real-world network performance to target improvements precisely.

The operator plans to extend the optimization initiative to additional routes, including the A14 (Rugby–Ipswich), M20 (London–Folkestone), and A75 (Gretna–Stranraer).

In a complementary move, EV charge point operator Believ—backed by Liberty Global, a co-owner of VMO2—is installing up to 30,000 new public charging points nationwide. These charging locations will overlap with some areas where VMO2 has enhanced mobile coverage, addressing a critical need: reliable connectivity enables EV drivers to locate charging points and process payments.

New national polling by VMO2 highlights the importance of this connectivity: 76% of EV drivers cite 'signal anxiety' as their top concern, fearing lost mobile connectivity could cut them off from maps, charger updates, location services, and payment capabilities. The operator notes that connectivity is now as crucial to EV adoption as charging infrastructure itself.

"Connectivity underpins much of today's driving experience, especially for EV users," said Jeanie York, Chief Technology Officer at Virgin Media O2. "By optimizing coverage on over 40 motorways and A roads as part of our £700 million Mobile Transformation Plan, we're making every journey safer and more reliable. Alongside Believ's new charging points, this removes barriers to EV adoption."

Guy Bartlett, CEO at Believ, added: "This is a great example of private industry collaborating to support a seamless transition to electric vehicles. Enhanced connectivity gives drivers greater confidence to switch to EVs."

VMO2 is on track to phase out 3G by the end of 2025, freeing up spectrum for further 4G and 5G enhancements. The operator is investing £700 million in mobile network upgrades this year, with the 3G sunsetting program set to accelerate such projects.

UK slurped up 18% more mobile data in 2025

Ofcom's annual Connected Nations report finds that Brits used 18% more mobile data in 2025 than the previous year, which totals 1.2 billion GB each month.

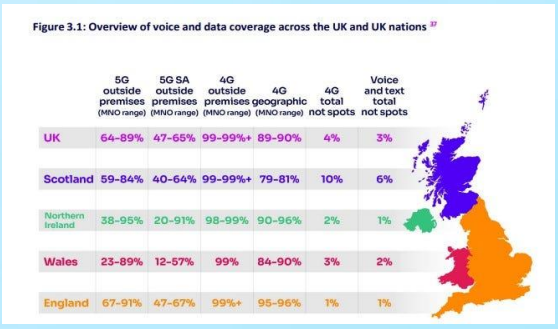


Figure 3.1: Overview of voice and data coverage across the UK and UK nations [37]

	5G outside premises (MNO range)	5G SA outside premises (MNO range)	4G outside premises (MNO range)	4G geographic (MNO range)	4G total not spots	Voice and text total not spots
UK	64–89%	47–65%	99–99%+	89–90%	4%	3%
Scotland	59–84%	40–64%	99–99%+	79–81%	10%	6%
Northern Ireland	38–95%	20–91%	98–99%	90–96%	2%	1%
Wales	23–89%	12–57%	99%	84–90%	3%	2%
England	67–91%	47–67%	99%+	95–96%	1%	1%

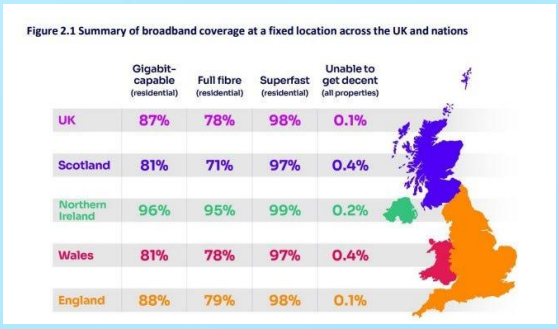


Figure 2.1 Summary of broadband coverage at a fixed location across the UK and nations

	Gigabit-capable (residential)	Full fibre (residential)	Superfast (residential)	Unable to get decent (all properties)
UK	87%	78%	98%	0.1%
Scotland	81%	71%	97%	0.4%
Northern Ireland	96%	95%	99%	0.2%
Wales	81%	78%	97%	0.4%
England	88%	79%	98%	0.1%

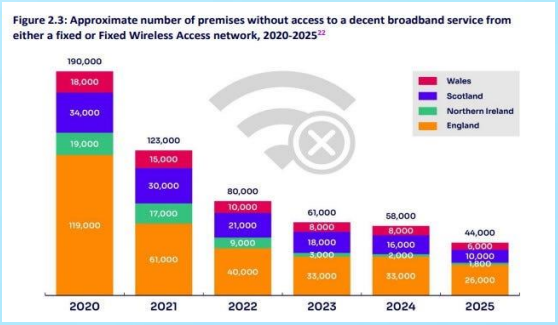


Figure 2.3: Approximate number of premises without access to a decent broadband service from either a fixed or Fixed Wireless Access network, 2020-2025 [22]

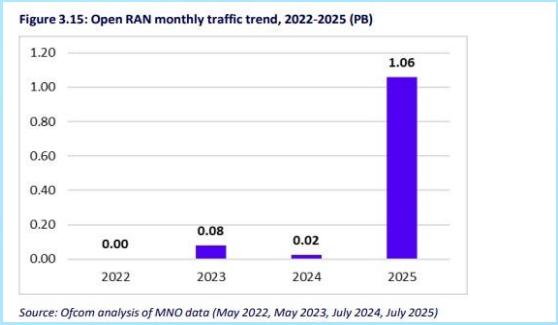


Figure 3.15: Open RAN monthly traffic trend, 2022-2025 (PB)

Source: Ofcom analysis of MNO data (May 2022, May 2023, July 2024, July 2025)

LONDON, Nov. 19, 2025 — Britons' mobile data usage jumped 18% in 2025 from 2024, with monthly consumption hitting 1.2 billion GB, per Ofcom's annual Connected Nations report (using July 2025 metrics). To contextualize this, it's equivalent to streaming 400 million HD football matches, 315 billion TikToks, or 1.3 quadrillion text-only WhatsApp messages.

While 4G still dominates mobile data traffic, 5G usage rose over 53% this year, spurring operators to accelerate 5G standalone (SA) deployment. Ofcom notes 83% of the UK now has full 5G access from at least one network, with outdoor 5G coverage (any operator) reaching 97%—up from 95% in 2024—with network-specific coverage ranging 64%-89% nationwide.

"The UK's demand for data continues to grow as we live increasingly connected lives," said Natalie Black, Ofcom's Group Director for Infrastructure and Connectivity. "For years, operators have delivered 5G using 4G networks, but now the race to build the UK's full 5G future is on."

Other key takeaways: Over a million UK households dropped landlines in the past year. Though 17 million remain in use, Ofcom notes a shift to calls via WhatsApp or mobile networks. Satellite broadband boomed too—Starlink connections rose 25%+ to 110,000 (from 87,000), mostly in rural areas, including 12,000+ in spots without reliable fixed/wireless broadband.

Full fibre broadband access expanded to 78% of homes (23.7 million, up from 69%/20.7 million in 2024), and uptake rose from 35% to 42%. Ofcom notes "millions miss out on buffer-free streaming, seamless gaming, and smooth video calls" from fibre upgrades. Combined with cable, 87% of homes (26.4 million) have gigabit-capable access, with 56% uptake.

Open RAN deployment remains limited (under 0.1% of total mobile traffic) but saw gains: Monthly Open RAN traffic hit 1.06 PB in 2025 (up from 0.025 PB in 2024), and active sites grew to over 130 (from under 50 last year), though not all MNOs have reported deployments.

On security, Ofcom said providers progress well on incident management, MFA, and SIM security under the telecoms framework, but flagged three challenging areas for follow-up. Last month, it rolled out new rules requiring mobile operators and business aggregators to combat messaging scams, boosting end-user protection. An Ofcom survey found 50% of UK mobile users received suspicious SMS/iMessages between Nov 2024-Feb 2025.

EU subjects Amazon and Microsoft to gatekeeper probe

The European Commission has set the ball rolling on designating Amazon Web Services (AWS) and Microsoft Azure as gatekeepers to the cloud services market.

BRUSSELS, Nov. 18, 2025 — The European Commission has initiated market investigations to determine if Amazon Web Services (AWS) and Microsoft Azure qualify as "gatekeepers" in the cloud services market. If designated as such—a likely outcome—the hyperscalers will be subject to full obligations under the Digital Markets Act (DMA).

DMA compliance would require measures including facilitating customer switching to competitors and guaranteeing interoperability with rival cloud services. The Commission has also launched a third probe to assess whether the DMA effectively curbs anti-competitive practices in the cloud sector, raising questions about regulatory efficacy if AWS and Azure are designated under rules deemed insufficient.

"Cloud computing is vital for Europe's competitiveness and resilience, and we want this sector to grow fairly and competitively," said Teresa Ribera, EVP for Clean, Just and Competitive Transition. "We are investigating if AWS and Microsoft Azure should face DMA obligations, and whether the rules need updating to keep pace with evolving cloud practices."

Henna Virkkunen, EVP for Tech Sovereignty, Security and Democracy, added: "Cloud services power Europe's digital future, enabling AI and innovation. They must operate in a fair environment that fosters trust and secures tech sovereignty. Our probes will assess if AWS and Azure qualify as gatekeepers and how to effectively apply the DMA to them."

Precedent supports the potential designation: the UK's Competition and Markets Authority (CMA) concluded in July that AWS and Azure hold "significant unilateral market power" in cloud services, limiting competition and hindering customer churn. Synergy Research data shows AWS and Microsoft led global cloud infrastructure spending in Q3 2025, with the pair accounting for 49% of the $106.9 billion market (up 28% YoY); combined with Google Cloud, the trio holds 67% of the market.

The designation would add to existing gatekeeper statuses for both firms: Amazon for its Marketplace and Advertising services, and Microsoft for Windows OS and LinkedIn. While cloud-specific obligations may be more onerous, the companies have experience with DMA compliance.

MTN to inflict Microsoft's AI slop on 300 million customers

Millions of consumers across Africa could soon know what it feels like to have their productivity hampered by useless, AI-generated suggestions.

JOHANNESBURG, Nov. 17, 2025 — Pan-African telecommunications giant MTN has inked a strategic partnership with Microsoft to bring Microsoft 365 Copilot—an AI-powered suite of productivity and learning tools—to its 300 million customers across the continent. The phased rollout is slated to kick off in key select markets in early 2026, with the core goal of democratizing access to cutting-edge AI technology that can boost learning outcomes and workplace efficiency for users in both urban and underserved areas.

For MTN, the collaboration is a key step in enhancing its digital service ecosystem and strengthening customer stickiness, as it seeks to go beyond traditional telecom offerings to provide value-added tech solutions. Microsoft, meanwhile, stands to gain from MTN's unparalleled local market reach and deep understanding of African consumer and business needs—critical for scaling AI adoption across a diverse continent. The announcement comes hot on the heels of MTN's latest quarterly earnings report, which underscored robust financial health and strong operational momentum, laying the groundwork for this ambitious digital initiative.

MTN's recent financial performance highlights its ability to support large-scale digital rollouts. In the first nine months of 2025, the group's service revenue—including the impact of hyperinflation in some markets—hit R160.4 billion ($9.4 billion), a notable jump from R127.4 billion in the same period last year. Group EBITDA also saw impressive growth, rising 39.2% on a constant currency basis to R73.2 billion. Crucially for the Copilot rollout, MTN's total customer base has crossed the 300 million mark, including 165.8 million active data subscribers—representing a 9.1% year-on-year increase. This expanding data user base has driven a 40.3% surge in data revenue, creating a fertile environment for adopting AI-powered digital services like 365 Copilot.

"Africa's growth will increasingly be shaped by how effectively its people can participate in the digital world," said Ralph Mupita, MTN CEO. "Working with Microsoft, we will open new pathways for innovation and opportunity that will define the continent's next phase of progress."

Samer Abu-Ltaif, Microsoft's EMEA President, added: "Our collaboration with MTN reflects our shared goal to enable people to learn, create, and participate meaningfully in the digital economy. By bringing Copilot to millions of MTN customers, we are helping unlock new opportunities for learning and innovation across Africa."

Both partners emphasized that the collaboration aligns with Africa's broader digital transformation agenda, as AI increasingly becomes a cornerstone of economic growth and innovation. By making 365 Copilot accessible to millions, MTN and Microsoft aim to bridge the digital skills gap and empower individuals, small businesses, and organizations to thrive in the global digital economy.

Ericsson opens new R&D units in India and Hungary

Ericsson has set up a new Radio Access Network (RAN) Software Research and Development (R&D) unit in Bengaluru, India, and a 6G facility in Budapest, Hungary.

STOCKHOLM, Nov. 13, 2025 — Ericsson has announced the establishment of two new research and development (R&D) facilities: a Radio Access Network (RAN) Software unit in Bengaluru, India, and a 6G-focused lab in Budapest, Hungary. The moves underscore the firm's commitment to advancing next-generation telecom technologies and strengthening its global innovation footprint.

The Bengaluru R&D unit will initially focus on developing 5G and 5G Advanced features for Ericsson's 5G baseband, collaborating closely with the company's global RAN software teams. Ericsson cited Bengaluru's status as one of India's fastest-growing tech hubs—boasting abundant software engineering talent and a strong presence of global telecom firms—as a key reason for the location. The new facility builds on Ericsson's existing investments in India, including expanded ASIC development earlier this year to bolster the local semiconductor ecosystem.

Ericsson also has ongoing collaborations in the region: it is partnering with Volvo and Airtel to integrate XR and Digital Twin technologies at Volvo's Bengaluru R&D Centre, and working with IIT Madras on Responsible AI frameworks for 6G networks. Additional partnerships with the Indian Statistical Institute and IIT Kharagpur focus on cyber-physical systems, AI-driven networks, secure communications, and edge computing.

"Setting up the R&D Center in India for RAN software development is a significant step in strengthening our local operations," said Nitin Bansal, Managing Director of Ericsson India and Head of Network Solutions for Market Area South East Asia, Oceania and India. "We are leveraging Indian software talent while contributing to building the country's telecom knowledge base and ecosystem."、

David Bjore, Head of RAN Software & Compute Platforms at Ericsson, added: "This investment highlights India's importance to our next-generation technology work. Building on our strong partnerships in Bengaluru, Chennai, and Gurugram, developing RAN software locally for the first time will support India's tech growth and enable global-ready solutions."

Separately, Ericsson's new Budapest 6G Lab—housed within its existing R&D centre in the city—will focus on core network advancements and 6G support functionalities such as network exposure and programmability. Key areas of focus include cloud-native technologies, IT frameworks, automation, open interfaces, and AI/ML, all critical to evolving 6G architecture.

The lab will collaborate with leading Hungarian academic institutions, including Budapest University of Technology and Economics (BME), Eötvös Loránd University (ELTE), Óbuda University, and the HUN-REN research network. It will play a pivotal role in Ericsson's global 6G research program, which aims to develop networks that support "more sustainable, resilient, and human-centric digital societies."

"We established the Budapest 6G Lab to drive scientific breakthroughs and practical innovation," said András Boráros, Head of R&D at Ericsson Hungary. "Our work is not just about preparing for a post-5G world, but also about enabling more effective communication and collaboration for society in the future."

UK cyber security bill reaches Parliament

The UK government's bid to beef up the country's cyber defences has taken another step closer to reality.

LONDON, Nov. 12, 2025 — The UK government's Cyber Security and Resilience (CSR) Bill has been introduced to Parliament, a key step to boost national cyber defences. First announced in summer 2024, the legislation is now open for MP debate, amendment and final approval.

Led by the Department for Science, Innovation and Technology (DSIT), the Bill expands the 2018 Network and Information Systems (NIS) regulations. Previously covering critical sectors (transport, energy, healthcare, digital infrastructure, cloud providers, online platforms), it will now include managed service providers (MSPs) serving NIS-regulated entities. DSIT noted MSPs' trusted access to key networks justifies aligning them with existing cyber security standards.

Key provisions include turnover-based penalties for serious breaches (to deter security cost-cutting) and new powers for the Technology Secretary to direct regulators and firms to act against national security-related cyber threats.

DSIT cited research underscoring urgency: a "significant" cyber attack costs UK businesses an average £190,000+, totaling £14.7 billion annually. The Bill will modernize UK cyber defences to match EU standards, enhance protection against state-sponsored hacking, and further restrict UK firms' business with Chinese vendors Huawei and ZTE.

"Cyber security is national security. This legislation will enable us to confront those who would disrupt our way of life, sending a clear message that the UK is no easy target," said Liz Kendall, Secretary of State for Science, Innovation and Technology. "Our new laws will reduce disruption to NHS services, local businesses, and speed up national responses to emerging threats."

Separately, DSIT announced measures to stop AI models from generating child sexual abuse images. Internet Watch Foundation (IWF) data shows such reports more than doubled year-on-year (199 in 2024 to 426 in 2025).

The rules would let the Technology and Home Secretaries designate AI developers and organizations like IWF as authorized testers to assess misuse risks. Currently, criminal liabilities block such safety tests, limiting action to post-creation removal; the new laws aim to prevent harmful content at the source.

"We will not allow technological advancement to outpace our ability to keep children safe," Kendall added. "By empowering trusted organizations to scrutinize AI models, we are ensuring child safety is designed into systems, not bolted on as an afterthought."

DSIT did not specify a timeline for the AI-focused measures, which have no formal name and aren't attached to existing laws (e.g., Online Safety Act), indicating early development stages.

1&1 becomes world's largest Open RAN operator

1&1 on Tuesday declared itself the largest Open RAN operator in the world having completed the migration of its 12 million mobile customers to its own network.

DÜSSELDORF, Nov. 12, 2025 — German mobile operator 1&1 has declared itself the world's largest Open RAN operator, having completed the migration of its 12 million mobile customers to its own Open RAN network. The announcement was made alongside the release of its third-quarter (Q3) 2025 results, marking a key milestone for the firm amid a challenging rollout journey.

The migration, finalized in early November, fulfills a major requirement of 1&1's 5G license. The operator secured 5G frequencies in Germany's 2019 auction with the mandate to achieve competitive independence as the country's fourth mobile network operator by end-2025. While 1&1 now can serve all customers on its own network, it retains a wholesale deal with Vodafone to host its customer base when needed; Vodafone noted it has nearly completed migrating 1&1 customers from Telefonica's network per a 2023 agreement.

1&1 launched its Open RAN network in December 2023, claiming the title of Europe's first Open RAN operator. However, the customer migration faced hurdles, including a May 2024 network outage that impacted its finances and churn rates. In its 2024 full-year report, the operator cited "unsuspected undersizing of individual network components" that severely restricted migration progress until Q4 2024. Negotiations for compensation with its expansion partner over the issues remain unresolved, though 1&1 did not name the party (reports have linked the challenges to key partners Rakuten Symphony and Mavenir).

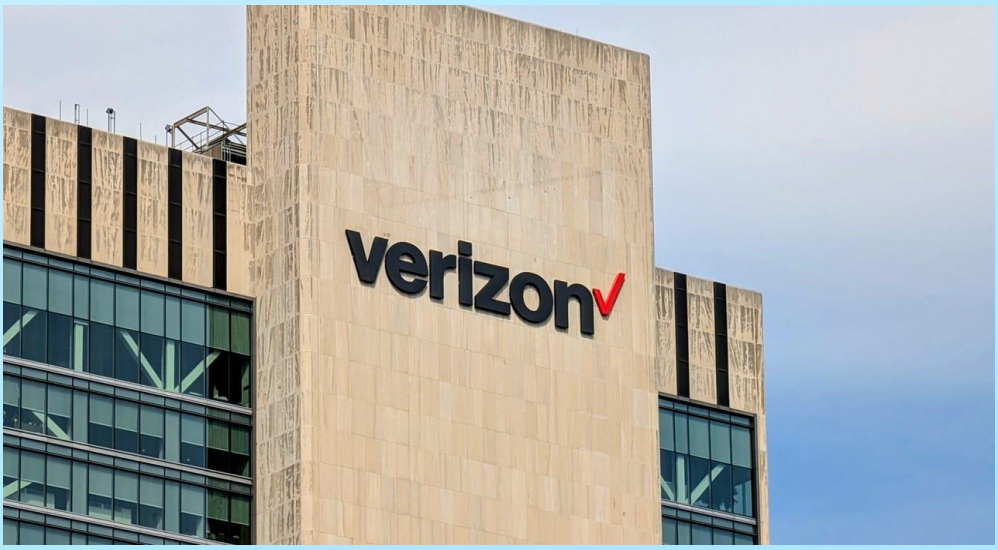
In a shareholder message, 1&1's management board (led by CEO Ralph Dommermuth) emphasized the strategic value of its Open RAN approach: "Unlike traditional closed networks that create supplier dependencies (e.g., Huawei), we collaborate with around 100 trusted partners—50% from Germany and 40% from Europe. As the world's largest Open RAN operator by users, we're fostering a more independent European telecom market." This comes as Huawei faces growing scrutiny in Germany and potential EU-wide restrictions.

The milestone comes amid mixed Q3 financial results. Revenues remained flat at just over €3 billion in the first nine months of 2025, while EBITDA fell 11.5% year-on-year to €409.8 million—largely due to higher start-up costs for the Open RAN network (which the company noted was expected). Mobile customer numbers rose by 40,000 to 12.48 million, though overall customer contracts dipped slightly due to fixed broadband losses.

For 2025, 1&1 forecasts flat service revenues and customer base, with lower earnings due to reduced EBITDA in the access segment. Mobile network EBITDA is projected to remain flat at -€265 million (including €100 million in one-time migration and network costs that will not recur from 2026 onward).

Verizon sells $11 billion in bonds to fund Frontier deal

Verizon has sold US$11 billion worth of investment-grade corporate bonds to fund its upcoming acquisition of Frontier Communications.



NEW YORK, Nov. 11, 2025 — Verizon has sold $11 billion in investment-grade corporate bonds to finance its upcoming acquisition of fibre network operator Frontier Communications. The bond sale, reported by Bloomberg citing an unnamed source, underscores the US telco's eagerness to finalize the long-pending deal.

The debt was issued in five tranches, with the longest being a 40-year bond offering a yield 1.3 percentage points above Treasuries. This permanent funding replaces the $10 billion in short-term bank bridge financing Verizon secured last year to facilitate the acquisition—a common practice in large corporate deals.

Verizon agreed to acquire Frontier in September 2024 for $38.50 per share in cash, valuing the target at $20 billion including debt (with Verizon's net cost estimated at around $10 billion). The $11 billion bond proceeds will cover the acquisition cost once regulatory approvals are finalized.

Regulatory progress has been mixed: the FCC approved the deal in May 2025, contingent on Verizon scrapping its Diversity, Equity and Inclusion (DEI) policies to align with the Trump administration's priorities. However, approval from California's Public Utilities Commission (CPUC) remains outstanding, with the DEI issue still a sticking point (at odds with California's state DEI policies).

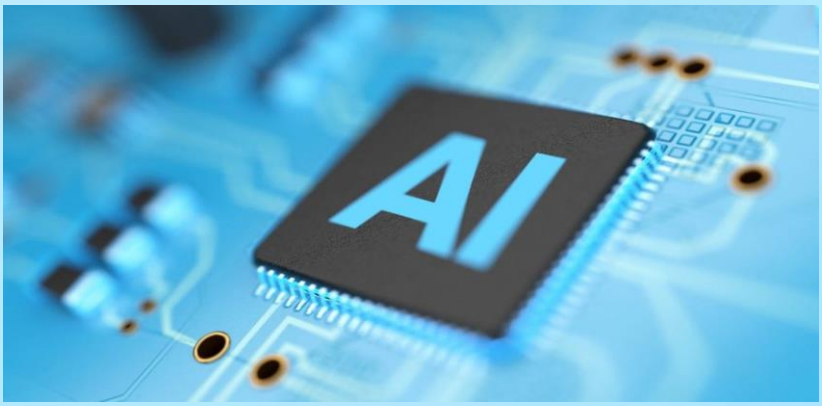
Verizon brokered a September deal with California committing to expand 5G/fixed broadband coverage and low-income household support, but the DEI dispute persists. The telco has requested CPUC approval by its December 18 meeting—the last of 2025.

Financially, Verizon is positioning to complete the purchase amid a stable credit profile. As of Q3 2025, its total debt stood at $146.8 billion (up $2.8 billion year-to-date), with a net unsecured debt-to-EBITDA ratio of 2.2x—slightly lower than end-2024. Fitch affirmed Verizon's A- Long-Term Issuer Default Rating with a stable outlook in August, citing its "strong business profile, scale, diversification, stable EBITDA, and solid free cash flow generation."

The acquisition is strategic for Verizon, as Frontier's fibre assets will expand its broadband footprint and support cross-selling home Internet services to its mobile customers. The deal comes as new CEO Dan Schulman embarks on a transformation strategy focused on customer service, converged offerings, and cost-cutting. While Verizon's fundamentals are sound, recent operational performance has raised questions, making the Frontier integration a key part of its turnaround plan.

Telecoms revenues at $1.5 trillion but operators need AI to cut costs

Revenues from telecoms and pay TV services will come in at north of US$1.5 trillion this year with growth exceeding expectations, but telcos will still need to look to AI to help them cut costs and maintain margins.



BOSTON, Nov. 10, 2025 — Global telecom and pay TV revenues are set to reach $1.53 trillion in 2025, with 1.7% growth that slightly outperforms IDC's earlier forecast (up 0.1 percentage points). Despite the strong topline, the analyst firm emphasizes that telecom operators must leverage AI to cut costs and preserve margins amid modest long-term growth prospects.

IDC projects a 1.5% compound annual growth rate (CAGR) for the sector over the next five years. "In this environment, operators are expected to shift focus toward margin improvement, operational efficiency, and monetization of emerging technologies to sustain shareholder value," the firm stated in its newly released report.

Leading telcos are already deploying AI across network operations, customer service, and fraud prevention to drive efficiency gains—initiatives that are already boosting EBITDA margins, IDC noted. Key use cases include predictive maintenance, automated support systems, AI-driven personalized offerings, and dynamic pricing (which lift ARPUs and reduce churn). AI is also accelerating time-to-market for new services, critical to 5G monetization efforts.

Additionally, AI-powered fraud detection systems are helping operators reduce financial losses, enhance customer trust, and ensure regulatory compliance. "In the longer term, AI will be increasingly recognized not as a mere technological enhancement, but as a strategic enabler for sustainable growth," IDC added.

Regional growth varies significantly: IDC forecasts 1% growth in both the Americas and Asia-Pacific in 2025. The Asia-Pacific region saw a modest downgrade, with economic uncertainties weighing on China, Japan, and Indonesia—offset by India's outperformance driven by exceptional mobile ARPU growth, according to Kresimir Alic, IDC's Research Director for Worldwide Telecom Services.

EMEA is poised to lead with 3.2% revenue growth, despite marginal forecast adjustments. "Growth is driven primarily by hyperinflation in markets like Turkey, Egypt, and Nigeria, where nominal growth rates are in the high double digits," Alic said.

In service segments, mobile services remain dominant, fueled by rising data usage and M2M growth, while demand for high-bandwidth fixed connectivity persists—though voice revenues continue to decline across both. Pay TV revenues are projected to contract slightly in 2025 amid growing OTT and video-on-demand adoption, but IDC noted these services will remain key to telecom providers' bundled offerings globally.

IDC highlighted that while market trends show little major shift, most operators face stagnant turnover—making cost savings and operational efficiencies via AI a top priority. Notably, many telcos have yet to adopt AI despite widespread hype around the technology.

Equinix to splurge £3.9 billion on a new UK data centre

US-based Equinix has bought the site of a planned data centre in the UK, and will develop it into a facility with more than 250 MW of capacity.

LONDON, Oct. 30, 2025 — US data centre giant Equinix has acquired a planned data centre site in the UK from DC01UK, with plans to invest £3.9 billion in developing it into a 250MW facility—the Hertfordshire Campus. The site, spanning 85 acres in South Mimms, Hertfordshire (north of London), will feature over 2 million square feet of floor space, making it one of Europe's largest data centre sites.

DC01UK—a joint venture between property developer Griggs Group and green energy firm Chiltern Green Energy—had secured planning permission for the site and a power deal with National Grid before seeking a buyer for construction and operation. Equinix, which already owns 14 UK data centres, has taken on the project to meet surging demand for AI infrastructure and sovereign AI solutions.

"The UK is a cornerstone of the global economy and a natural home for our largest European investment to date," said James Tyler, Equinix UK Managing Director. "This development delivers critical data centre capacity, supporting the government's AI growth ambitions, while deepening our partnership with local and national communities."

The project includes significant job and economic commitments: Equinix estimates construction will directly support 2,500 local jobs, with 200 permanent roles once operational. Citing KPMG data, it noted the development could generate up to £120 million in wages, £3 billion in annual gross value added (GVA) during construction, and £260 million in GVA post-operation.

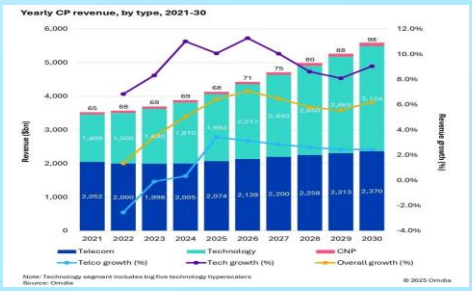
On sustainability, the Hertfordshire Campus will use air cooling to minimise water consumption, retain 54% of the land as open space, and create new habitats to achieve a 10% net biodiversity gain. The investment aligns with Equinix's goal to power all facilities with renewable energy by 2030.

Liz Kendall, Secretary of State for Science, Innovation and Technology, hailed the move: "This £3.9 billion investment is a huge win for Britain. It will enable businesses to connect globally, power our AI ambitions, boost growth, and create well-paid jobs—cementing the UK's position at the forefront of the digital revolution."

The investment comes amid booming global demand for hyperscale data centres: Synergy Research reports capacity doubled between 2020 and 2024, with a further doubling expected by 2028. It follows recent UK AI infrastructure commitments from Microsoft, OpenAI, Nvidia, and Google—whose new Hertfordshire data centre is part of a £5 billion UK investment plan.

Global CP revenue forecasted to reach $5.6 trillion by 2030

Omdia predicts that the global Communications Provider (CP) market will reach $5.6 trillion by 2030, while fellow analyst Dell'Oro says 6G capex will start to kick in around the same time.



LONDON, Oct. 29, 2025 — Omdia forecasts the global Communications Provider (CP) market will reach $5.6 trillion by 2030, driven by technology innovation, infrastructure expansion, and investments in 6G and AI. Meanwhile, fellow analyst firm Dell'Oro predicts 6G capital expenditure (capex) will begin accelerating around the same timeframe, even as the broader RAN market is set to remain flat over the next decade.

Omdia projects CP revenue will grow at a 6.2% compound annual growth rate (CAGR) from 2025. Traditional telecom revenue is expected to rise modestly at a 2.7% CAGR, while the technology segment—led by hyperscale platforms including Amazon, Alphabet, Apple, Meta, and Microsoft—will expand at a 9.4% CAGR, accounting for 55.9% of total CP revenue by 2030.

On the capex front, Omdia estimates telecom capex will reach $395 billion by 2030 (3.6% CAGR), with technology capex surging to $545 billion (9.3% CAGR). Investment momentum is set to shift to mobile networks from 2028 as Tier 1 markets prepare for 6G deployments, while fixed telecom capex will gradually decline due to market saturation. Additionally, AI infrastructure, cloud services, and digital sovereignty policies are pushing telecom operators to expand data centers and invest in specialized hardware.

Other key Omdia predictions include: CP capex per person rising from $74 in 2024 to $116 in 2030, with CP capex accounting for 2.5% of global GDP investment; telecom sector capital intensity declining until 2027 before rising due to mobile network upgrades; and regional leaders in revenue and capex being North America, Oceania, Eastern Asia, and Western Europe, with Central and Southern Asia boasting the highest growth potential.

"Telecom operators are entering a new phase of strategic investment," said Dario Talmesio, Research Director at Omdia. "With 6G on the horizon and AI infrastructure demands accelerating, the connectivity business is shifting from volume-based pricing to value-driven connectivity."

Separately, Dell'Oro notes 6G capex will start to kick in around 2030, but characterizes the RAN market as non-growth. Worldwide RAN revenues have grown at a 1% CAGR since 2000 in nominal USD terms, with an even less favorable outlook when adjusted for inflation.

Dell'Oro's baseline scenario forecasts the broader RAN market will stay flat over the next 10 years, assuming mobile networks face "utilization challenges" by the end of the decade—spurring a 6G capex ramp dominated by Massive MIMO systems in Sub-7GHz/cm Wave spectrum, leveraging existing macro grids as much as possible. It also predicts cumulative 6G RAN investments between 2029 and 2034 will account for 55-60% of total RAN capex.

"Our long-term position and characterization of this market have not changed," said Stefan Pongratz, Vice President of RAN and Telecom Capex Research at Dell'Oro Group. "The RAN network plays a pivotal role in the broader telecom market, with opportunities to expand beyond traditional mobile broadband use cases. However, there are serious near-term downside risks, particularly amid slowing data traffic growth."

Amazon makes AR glasses for delivery drivers

Amazon is working on some smart glasses designed to help delivery drivers scan packages, follow turn-by-turn walking directions, and capture proof of delivery.

SEATTLE, Oct. 23, 2025 — Amazon has introduced "Amelia," a pair of AI-powered AR smart glasses designed exclusively for delivery drivers. The device aims to streamline last-mile logistics by enabling package scanning, turn-by-turn walking navigation, and proof-of-delivery capture—all hands-free without the need for drivers to use a smartphone.

Powered by AI sensing and computer vision technology, Amelia features a heads-up display (HUD) that projects critical information directly into the driver's field of view. Upon arriving at a delivery location, the glasses automatically activate, first helping locate the correct package and then providing step-by-step navigation to the recipient's address. It also delivers real-time alerts about hazards or guidance for navigating complex environments like apartment buildings.

The hardware setup includes a small controller integrated into the driver's delivery vest, a swappable battery that supports an 8-10 hour work shift, and a dedicated emergency button for quick access to emergency services. The glasses are designed with versatility in mind, supporting prescription lenses and transitional lenses that automatically adjust to light conditions. Notably, Amelia can detect when it is in a moving vehicle and shuts down to avoid distracting drivers while they are on the road.

Hundreds of delivery drivers have tested early prototypes of the glasses, including Kaleb M. from Maddox Logistics Corporation in Omaha, Nebraska. "I felt safer the whole time because the glasses have the info right in my field of view," he said. "Instead of having to look down at a phone, you can keep your eyes forward and look past the display—you're always focused on what's ahead." Amazon notes the device is expected to save drivers approximately 30 minutes per 8-10 hour shift by reducing repetitive tasks.

Amazon outlined plans to expand Amelia's capabilities in future iterations. Upcoming features will include real-time defect detection to alert drivers if they place a package at the wrong address, low-light hazard detection with automatic lens adjustment, and warnings about potential risks like pets in front yards.

The launch aligns with a booming AI glasses market. Last month, analyst firm Omdia forecast that global AI glasses shipments will surge 158% in 2025 to 510 million units, and double again in 2026. The firm highlighted that HUD functionality—exemplified by Amelia—will become a key growth driver for the category starting next year. Amazon plans to begin mass production of Amelia in mid-2026, with an initial output of around 100,000 units.

"As we continue refining the technology, we're leveraging the latest advancements in AI to create an end-to-end system where technology supports an even safer and more seamless delivery experience along every step of their journey," Amazon stated in a release. The company aims to use the glasses to optimize the entire delivery process, from operations inside delivery stations to the final hundred yards to customers' doorsteps.

French telcos table €17 billion bid for SFR

Bouygues Telecom, Iliad and Orange have submitted a bid worth €17 billion for the bulk of rival SFR's assets that they intend to carve up between them.

PARIS, Oct. 15, 2025 — French telecom operators Bouygues Telecom, Iliad (operating as Free-Iliad Group) and Orange have jointly submitted a non-binding €17 billion bid to acquire most assets of rival SFR, owned by Altice France. The trio plans to carve up SFR's operations, a move that would reshape France's telecom market into a three-player landscape if approved.

Under the proposed terms outlined in a joint statement, Bouygues Telecom will take the largest share—43% of the deal's value and assets—followed by Iliad with 30% and incumbent operator Orange with 27%. Bouygues is set to secure the majority of SFR's B2B business (with Iliad taking a smaller portion), while all three will split the B2C segment, infrastructure and spectrum licenses. Notably, SFR's mobile network in less densely populated areas will go exclusively to Bouygues Telecom.

The bid excludes several Altice France assets, including stakes in outsourcing firm Intelcia, data center provider UltraEdge, and fibre unit XP Fibre. Altice is separately looking to sell XP Fibre, which it values at nearly €10 billion. Also excluded are Altice Technical Services and the group's operations in French overseas regions.

The deal faces significant regulatory hurdles, with scrutiny expected from both French authorities and the European Commission (EC). The proposed consolidation to a three-player mobile market is likely to draw intense regulatory focus. "The proposed deal will likely invoke strong scrutiny," noted Kester Mann, Director of Consumer and Connectivity at CCS Insight.

Industry hopes for relaxed EC stances on telecom consolidation were dashed 18 months ago when the commission imposed strict remedies—including the creation of a fourth operator, Digi—for the Orange-MasMovil merger that formed MasOrange in Spain. However, the 2024 approval of the Vodafone-Three merger in the UK has sparked renewed optimism that European regulators may adopt a more lenient approach, Mann added.

French Finance Minister Roland Lescure signaled vigilance on the deal's potential impact. "I'm going to be vigilant about two things: the impact on consumer prices and the impact on the quality of service," he stated in an RTL radio interview, as reported by Reuters.

Altice France has yet to publicly comment on the bid. The move comes amid Altice's financial struggles, with SFR identified as a potential divestment target over two years ago. Rumors of a three-way split of SFR first emerged in earnest this July. While Altice owner Patrick Drahi is widely seen as theoretically open to the deal, its success may hinge on price negotiations, with Drahi expected to seek maximum value for the asset.

A binding offer is contingent on Altice's acceptance, completion of due diligence, and confirmation of financial and operational assumptions. The transaction will also require consultation with employee representatives prior to regulatory review.

SoftBank shells out $5.4 billion for Swiss robot maker

Japanese telco SoftBank has stepped up its pursuit of physical AI by acquiring the robotics division of electrical engineering firm ABB.

TOKYO, Oct. 8, 2025 — Japanese telecommunications and technology giant SoftBank has agreed to acquire the robotics division of Swiss electrical engineering firm ABB for $5.4 billion, stepping up its push into physical artificial intelligence (AI). The deal, which values ABB's robotics unit at the aforementioned sum, is expected to close in mid-2026 pending regulatory approvals and standard closing conditions.

Based in Switzerland, ABB's robotics division offers a diverse portfolio including industrial robots, autonomous mobile robots, and collaborative robots (cobots). It employs approximately 7,000 people globally and generated $2.3 billion in revenue last year—accounting for around 7% of ABB's total annual revenues. ABB had previously planned to spin off the unit into a separately listed company before striking the deal with SoftBank.

Post-acquisition, the robotics assets will be integrated with SoftBank's existing robotics and AI-related businesses. These include operations under SoftBank Robotics Group, warehouse and fulfillment robot makers Berkshire Grey and AutoStore, robotic arm manufacturer Agile Robots, and humanoid robot developer Skild AI, among other group companies and subsidiaries.

SoftBank noted the acquisition aligns with its pursuit of artificial super intelligence (ASI). The firm has taken an aggressive stance in the AI space: it is a founding partner of Stargate (a project with OpenAI and Oracle aiming to invest hundreds of billions in global AI infrastructure), operates the world's largest Nvidia-powered AI supercomputer for training large language models (LLMs), and has advanced AI-RAN development with a model claiming to boost throughput by up to 30%.

"SoftBank's next frontier is physical AI," said Masayoshi Son, SoftBank CEO. "Together with ABB Robotics, we will unite world-class technology and talent under our shared vision to fuse artificial super intelligence and robotics – driving a groundbreaking evolution that will propel humanity forward."

Morten Wierod, ABB CEO, expressed confidence in the partnership: "SoftBank will be an excellent new home for the business and its employees. ABB and SoftBank share the same perspective that the world is entering a new era of AI-based robotics and believe that the division and SoftBank's robotics offering can best shape this era together." He added that ABB Robotics will benefit from combining its technology and industry expertise with SoftBank's AI, robotics, and next-generation computing capabilities.

The acquisition positions SoftBank to capitalize on the growing global robotics market. ABI Research forecasts the market will reach $50 billion in 2025 (up from $45 billion in 2024) and surge to $110.7 billion by 2030. Growth will be primarily driven by mobile robots for material handling and automated storage/retrieval in warehouses, logistics hubs, and factories. While cobots and humanoid robots are expected to account for a modest 12.3% of the market by 2030, they will play a key role in advancing physical AI development and adoption.

Overview: 2026 GTI Events

GTI Industry Event @ Barcelona

This event is scheduled to be held in Barcelona in **February-March 2026** in conjunction with MWC Barcelona 2026. It will include the **GTI Summit, GTI Workshop and SC&AC Round Table,** with a focus on exploring the trends, technologies, and applications of the integrated development of 5G-A, 6G, and AI to promote global digital and intelligent development.

GTI Industry Event @ Shanghai

This event is scheduled to be held in Shanghai in **June** 2026 in conjunction with MWC Shanghai 2026. It will include the **GTI Summit and GTI Workshop** , with a focus on sharing the latest global industry developments and future development trends to promote international exchanges and cooperation.

GTI Industry Event @ Geneva

This event, GTI Forum, is scheduled to be held in Geneva in **July** 2026 in conjunction with ITU AI for Good 2026. With a focus on exploring the integrated innovation, inclusive applications, and governance frameworks of networks and AI, it aims to build an inclusive and win-win network-intelligence integrated ecosystem.

GTI Industry Event @ Hong Kong

This event is scheduled to be held in Hong Kong in **September** 2026 in conjunction with the 3rd GTI Forum on Digital Intelligence • Hong Kong. It will include **GTI Forum, GTI Workshop and SC&AC Round Table,** with a focus on discussing topics such as AI technology, industry, applications, and governance to promote international exchanges and cooperation in the field of artificial intelligence.

Preview: GTI Events at MWC Barcelona

Overview

GTI will host a series of industry events at MWC Barcelona 2026. These industry gatherings represent an exceptional chance that converges wisdom and connects opportunities.

The GTI series will feature flagship events including GTI Summit, the 44th GTI Workshop, and GTI Awards 2026 Ceremony, which will bring together global thoughtful leaders, innovators, and experts from the mobile ecosystem. Join us to gain in-depth insights into leading operators' pioneering practices in network and intelligence integration, witness real-world cases of technology implementation, and explore cutting-edge technologies and diverse application scenarios in connected cars, embodied AI, AI devices, and intelligent manufacturing during this Mobile AI era.

GTI Summit

Share leading operators' development practices in network-intelligence integration and innovations in connected cars, embodied AI, AI devices, and intelligent manufacturing within the Mobile AI era. Discuss the opportunities and challenges of Mobile AI development and explore feasible paths for global industry-academia-research collaboration.

Time: 09:15-11:50, March 3, 2026

Venue: Fira Gran Via, Theatre 4 in Hall 8.0, Barcelona, Spain

The 44th GTI Workshop

Focus on four key areas: 5G technology and product, 5G-A×AI development, 5G enterprise network solutions, and digital-intelligent lifestyles. Share and discuss new technological breakthroughs, product highlights, and application models to uncover new business opportunities and create greater value.

Time: 09:00-16:30, February 28-March 1, 2026

Venue: Barcelona, Spain (to be updated soon)

GTI Awards Ceremony

Witness the live unveiling of GTI Awards! Get firsthand access to this year's winners in technology breakthrough, innovative product and solution, Mobile AI application, market development, and the GTI Honorary Award.

Time: 18:00-19:00, March 3, 2026

Location: Fira Gran Via, Theatre 4 in Hall 8.0, Barcelona, Spain

Registration (Get priority access to a complimentary MWC pass!)

Please Click Here to complete the Registration Form and return it to the GTI Secretariat by February 27, 2026.

Global Technology Association of InfoComm (GTI)

Objectives and Positioning

Collaborate with stakeholders from industry, academia and research in global lCT field, promote interdisciplinary integrated innovation, technology-to-industry transformation and global unified standards, to provide an open high-level, and high-value platform for collaboration in the global lCT ecosystem.

Industrial Events & Brand Promotion
Enrich diverse events
Enhance industry influence

Organization Operation & Ecosystem Expansion
Promote expansion and development
Redefine organization connotation

Technical Cooperation & Think Tank Reports
Pioneer network-AI integration
Lead technological innovation

Path to Growth

GTI 1.0

2011-2015

- Construct a robust ecosystem of TD-LTE
- Speed up the commercialization of TD-LTE
- Promote the converged development of LTE TDD and FDD

In 4G era, promote TD-LTE as a global mainstream technology, and achieve large-scale commercialization

GTI 2.0

2016-2022

- Further promote 4G evolution and expand global market
- Promote 5G development and cross-industry innovation

In 5G era, accelerate 5G end-to-end maturity and global 5G large-scale commercialization

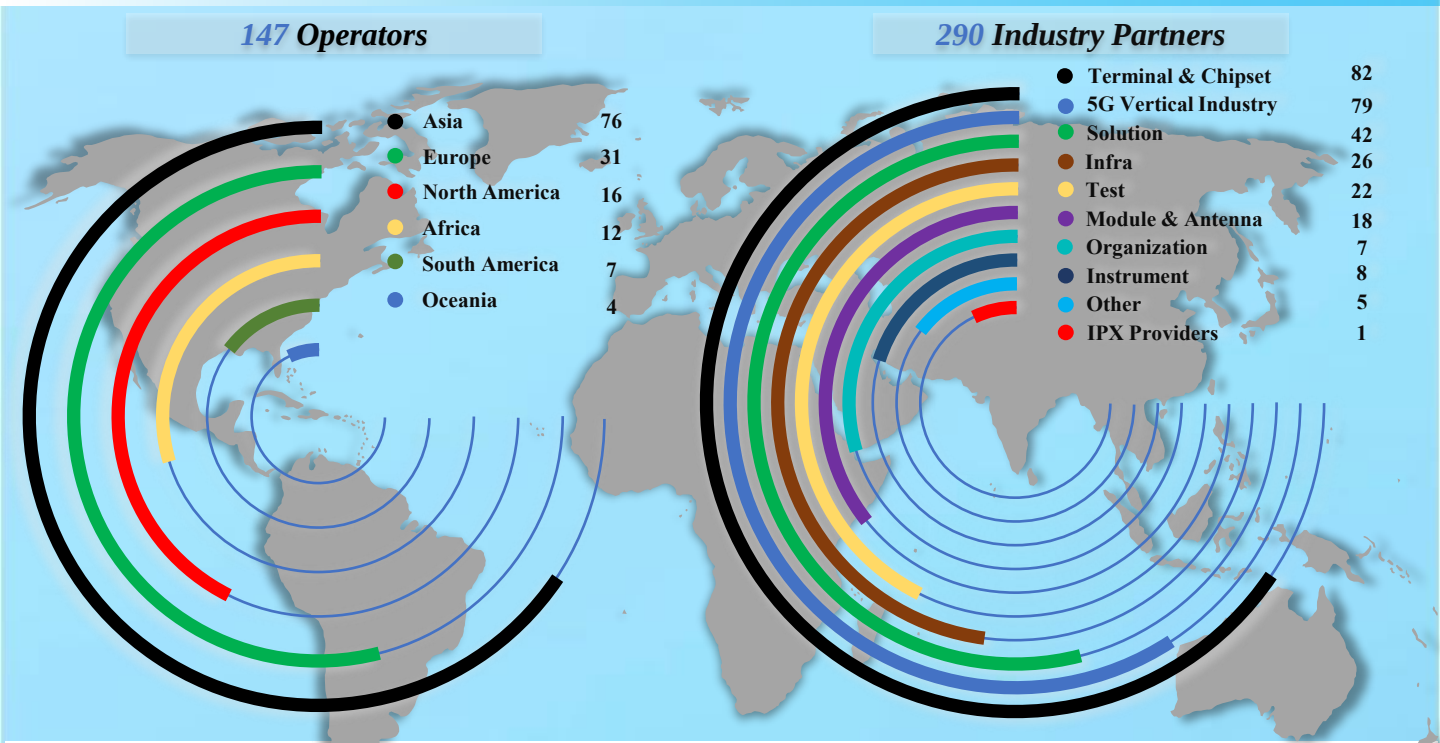
GTI 3.0

2023-Now

- Promote intelligent, efficient, and green 5G-A tech and products
- Foster intearated innovation between 5G-A/6G, Al and other technologies
- Empower digital and intelligent transformation of industries to create new value

Members&Organizations

Pool global resources to forge a global community of partners



International Cooperation

GSMA ITU 3GPP NGMN GCF 5GAA 5GACIA KHRONOS ...

GTI Key Moments
—Look Back to Our Historical Story

2011
Kick-off of GTI by China Mobile, SoftBank, Vodafone and other operators

2012
Release of world's first TDD/FDD Multimode chips

2013
Release of world's first MMMB smart phone

2014
World's first TD-LTE VoLTE phone call was made

2015
Release of 5-Mode Low Cost Device Solutions

2015
Release of Native RCS Devices

2016
Launch of **GTI 2.0** by China Mobile, Bharti Airtel, KT, SoftBank and Vodafone to promote 5G development and cross-industry innovation

2016
Release of HPUE on Band 41 to promote Massive MIMO commercialization and improve systematic performance

2018
Release of GTI 5G S-Module Industrial Cooperation Plan to promote wide application of 5G devices and expand the scale of application

2018
Joint release of ***5G in China-the Enterprise Story*** by China Mobile, GTI and GSMA

2019

Debut of 5G 2.6GHz End-to-end Products to accelerate maturity of 2.6GHz industry chain and promote 5G commercial process

2020

Release of ***Supportive Policies for a Sustainable Mobile Industry in the 5G Era*** with GSMA to promote sustainable mobile industry

Release of GTI 5G Global Device Initiative to promote maturity of multi-mode, multi-band and multi-form devices

2021

Unveil the joint "2.3GHz Band Industry Statement" to promote efficient use of TDD 2.3GHz spectrum and accelerate commercial launch by global operators

2023

GTI 3.0 was launched to promote continued global cooperation, accelerate 5G-A tech and products, foster integration of DICT, and empower 5G monetization to create greater value

2023

Release of ***Unleashing New Value with New 5G Technology***, to develop and strengthen 5G industry, and stimulate 5G-enabled economic and social transformation

2024

Release of ***GTI Report – 5G-A×AI: New Era, New Opportunities, New Value*** to promote full potential of 5G A², and create a much broader value space for the entire industry

Launch of GTI ***5G-A×AI Development Program*** to promote integration of 5G and AI in technology, business, ecology, and commerce, and two-way empowerment

2024

GTI and GSMA signed cooperation agreement on 5G-A×AI to jointly explore potential collaboration opportunities and drive innovative integration in 5G-A and AI.

2025

Release of

- ***5G-AxAI New Technology, New Case, New Model White Paper***
- ***Mobile Intelligence Integration Index Report***
- ***Data Center in the Generative AI Era***
- ***5G-A Ignites the Three-types of New Intelligent Services***

Launch of GTI ***5G-A×AI 100 Commercial Campaign***

Release of ***6G Open Testbed***

Release of ***Global "AI+" Industry-Academia-Research Ecosystem Cooperation Initiative***

For more details refer to https://www.gtigroup.org

Welcome to Join GTI 3.0

GTI is an international platform for industry cooperation. It was kicked off in 2011 by China Mobile, SoftBank, Vodafone, Bharti Airtel, Sprint (now T-Mobile US) and other operators. After years of development, GTI has gathered over 400 operators and partner members worldwide, covering 66 countries and regions across six continents. During the 1.0 phase (2011-2015), GTI successfully promoted the widespread global application and deployment of TD-LTE. In the 2.0 phase (2016-2022), GTI achieved success in accelerating the end-to-end industrial maturity of mid-band 5G and driving cross-industry integration and innovation. In 2023, GTI entered the new 3.0 phase, continuing to deepen global cooperation, advancing the integrated innovation of 5G-A/6G and artificial intelligence, empowering the digital and intelligent development.

Join as Mobile Operator

1. Click Here and fill out the Application Form, then return it to GTI Secretariat: admin@gtigroup.org;

2. Sign the Declaration Form and return the signed hard copy to GTI;

3. Once the participation process finishes, a GTI website account and associated password will be assigned to the new participant.

Join as Industry Partner

1. Click Here and fill out the Application Form, then return it to GTI Secretariat: admin@gtigroup.org;

2. Sign the Declaration Form and return the signed hard copy to GTI;

3. Once the participation process finishes, a GTI website account and associated password will be assigned to the new participant.

Scan the QR code below to access more relevant social media channels

CONTACT GTI:

If you have any questions, comments, and suggestions, please contact: **admin@gtigroup.org**