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Telecom and IT Technology News

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As we reach the end of 2024 and get ready to enjoy the holidays, tech companies around the world are still working hard to make world-changing innovations come to life in 2025. We at *Pipeline* have scoured the news to give you a roundup of all the biggest stories in tech this festive season.

The month's top industry news stories are summarized below. To view current breaking news in real-time, visit [Pipeline's News Center](#), follow Pipeline on [social media](#), or [subscribe](#) to receive our weekly industry enterprise and communications technology news summary.



Network and Mobile News

Adtran announced that Switzerland's Federal Institute of Metrology METAS has successfully deployed its [OSA 3300 HP](#), improving national timekeeping performance and supporting critical scientific research. DE-CIX and GCX have signed a strategic partnership agreement to enhance [global connectivity](#). Turkcell and ZTE have achieved a milestone in telecommunications by setting the record for [Europe's fastest 5G-Advanced speed](#), surpassing 32 Gbps during an ambitious trial in Istanbul. Ericsson and e& have signed a Memorandum of Understanding, for the [collaborative exploration of 6G technology](#), its use cases and future network evolution.

Vodafone and AMD are collaborating on mobile base station silicon chip designs that will give [5G radios](#) the required horsepower to meet future customer demand for higher-capacity AI and digital services, quickly and reliably. Huawei launched GigaGear, the [world's first 5G/5.5G experience accelerator](#). This solution features the convergence of software and hardware, speeding up new real-time services such as New Calling, live streams, robotaxis, and human-like AI agents that the mobile industry sees as key to significantly boosting Net Promoter Scores and network resource utilization. Swisscom will leverage Netcracker's cloud-native OSS and operations solutions to support its strategy of adopting TM Forum's [Open Digital Architecture](#) to achieve decoupling and autonomy of architectural domains.

Virgin Media O2 has successfully brought together its fixed and mobile networks to create a [Converged Interconnect Network](#), a new network built to carry both mobile and fixed traffic. Singtel and Ericsson formed a partnership to deploy [5G advanced connectivity solutions](#) at Tuas Port in Singapore. This is in support of PSA Singapore's plans to build the world's largest fully automated port by the 2040s to meet the rapidly rising demand for global transshipment. Juniper Networks and Elisa Oyj deployed the world's first [800Gbps Ethernet services over 800ZR](#) coherent transceivers. The Federal Communications Commission announced adopted final rules for [cellular-vehicle-to-everything](#) technology. These rules will improve transportation safety and permit more efficient mobility as this advanced communications technology is integrated into vehicles and infrastructure.

AI & Analytics News

Salesforce released Agentforce, a new layer on the Salesforce Platform that enables companies to [build](#)

[and deploy AI agents](#) that can autonomously take action across any business function. Fortinet expanded [generative AI capabilities](#) across its product portfolio with the launch of two new integrations with FortiAI, Fortinet's AI-powered security assistant that uses GenAI to guide, simplify, and automate security analyst activities. Hugging Face and NVIDIA collaborated to [accelerate robotics research and development](#) by bringing together their open-source robotics communities. SoftBank and Fujitsu signed a [memorandum of understanding](#) to strengthen their partnership toward realizing the commercialization of AI-RAN.

Accenture, Avanade, and Microsoft are launching a [copilot business transformation practice](#) and co-investing in new capabilities, solutions and training to help organizations securely and responsibly reinvent their business functions with generative and agentic AI and Copilot technologies. Global pharmaceutical and techbio industry leaders, academic pioneers, and AI researchers are adopting the open-source [NVIDIA BioNeMo Framework](#) to advance drug discovery and accelerate molecule design. TDC NET has selected VIAVI's [NITRO AIOps](#) for end-to-end network monitoring that continuously observes, analyzes, and manages network performance across multiple domains. SAP and Microsoft are highlighting their collaborative vision to [redefine workplace productivity](#) through the seamless integration of SAP's AI copilot, Joule, and Microsoft 365 Copilot. ZTE debuted the industry's first [AI-powered full-stack FWA solution](#), the ZTE Nebula AI FWA. Guided by its upgraded product philosophy, AI-powered GIS 2.0, this solution was introduced at its first-ever ZTE Devices User Congress focused on FWA & MBB.

HP released a new HP Amplify program for partners, HP Amplify AI. [HP Amplify AI](#) is a customizable program designed to boost partner capabilities in achieving positive AI outcomes offering AI guidance, tools, resources, training, and certification. Other enhancements unveiled include new AI-powered tools, availability of refreshed HP Future Ready AI MasterClass content in multiple languages, and global expansion of the HP Business Partner Program. Adtran and Dell formed a strategic collaboration to meet the growing AI networking needs of the [US federal government](#). SoftBank Corporation, GMO Internet Group, Highreso, KDDI, Rutelea and SAKURA internet are building [AI infrastructure with NVIDIA](#) accelerated computing, networking, and software to accelerate transformation across the nation's robotics, automotive, healthcare, and telecom industries.

Cloud News

LotusFlare Digital Network Operator Cloud, a digital business support system for communications services providers, is [now available in AWS Marketplace](#), a digital catalog with thousands of software listings from independent software vendors that make it easy to find, test, buy, and deploy software that runs on Amazon Web Services. Amdocs revealed a five-year extension of its strategic collaboration with Vodafone Italy. Under the new agreement, Amdocs will modernize the Italian service provider's business platform to [cloud-ready and cloud-native](#) solutions, and migrate the operator's business support systems environment to the Microsoft Azure cloud.

IBM and AMD announced they have formed a collaboration to deploy AMD Instinct MI300X accelerators as a [service on IBM Cloud](#). This offering, which is expected to be available in the first half of 2025, aims to enhance performance and power efficiency for Gen AI models such as and high-performance computing applications for enterprise clients. NTT DATA has signed a definitive agreement to acquire Niveus Solutions, a [premier cloud engineering](#) company, specializing in Google Cloud Platform services. The acquisition accelerates NTT DATA's strategy to expand its cloud capabilities to meet the global demand for transformative cloud solutions across industries and solidifies the company as a leading global system integrator for Google Cloud.

In partnership with China Mobile, ZTE has launched an [AI-Driven Green Telco Cloud](#) solution with diverse hardware architectures. This solution leverages their exploration and experience in telco network energy-saving technologies, focusing on the application of artificial intelligence to enhance energy efficiency in telco cloud environments. Lumen formed a partnership with Google Cloud that is accelerating Lumen's [digital transformation](#) and driving innovation for billions of Google customers.

Security & Assurance News

CrowdStrike has agreed to [acquire Adaptive Shield](#), a leader in SaaS Security. With this acquisition, CrowdStrike will be the only cybersecurity vendor to provide unified, end-to-end protection against

identity-based attacks across the entire modern cloud ecosystem. Palo Alto Networks announced its perspective on the top [AI and cybersecurity trends](#) for 2025. These predictions encompass emerging threats, the impact of advancements in AI, automation, and strategic initiatives such as platformization, that organizations must embrace to bolster security measures and outpace adversaries. Cisco and MGM Resorts International have signed a [Whole Portfolio Agreement](#), empowering MGM Resorts with the majority of Cisco's software portfolio. This includes cybersecurity, software defined networking, software defined-WAN, digital experience assurance, full-stack observability, data center, and services. ServiceNow expanded their [strategic alliance with Microsoft](#) to modernize front office business processes with Copilot and agents. HP launched [HP Enterprise Security Edition](#), a unique suite of security capabilities designed to enhance the physical security of HP business class PCs. Cisco released new intelligent, secure, and assured wireless innovations, with [smart Wi-Fi 7](#) access points and unified subscription licensing that can enable smart spaces out-of-the-box. These innovations empower customers to solve for their connectivity, security, and assurance challenges, while also providing a flexible foundation to future-proof their workplaces. CrowdStrike formed an expanded distribution partnership with Ignition Technology, bringing the [CrowdStrike Falcon cybersecurity platform](#) to Ignition's partner base in Ireland.

IoT and Innovation News

Vinesign launched its new [Public API](#), designed to enhance business efficiency and productivity by allowing seamless integration of its e-signature solutions into existing digital ecosystems. ARB IOT Group signed a [Memorandum of Understanding](#) between its indirect wholly owned subsidiary, ARBIOT Sdn Bhd, with ASUSTeK Computer Inc. and ServerSphere to collaborate on global artificial intelligence server solutions. IonQ and Ansys have joined forces to [integrate quantum computing](#) into the \$10B computer-aided engineering industry.

Salesforce now uses agentic lifecycle management tools to automate Agentforce testing, prototype agents in secure [sandbox environments](#), and transparently manage usage at scale. NEC has received an order for a [next-generation supercomputer system](#) from Japan's National Institutes for Quantum Science and Technology, under the National Research and Development Agency, and the National Institute for Fusion Science, part of the National Institutes of Natural Sciences under the Inter-University Research Institute Corporation.

Market News

ServiceNow signed an agreement to [acquire Mission Secure](#), a Charlottesville, Virginia-based company focused on providing asset discovery for operational technology devices. This will help customers gain visibility and context into their OT environments and minimize downtime with dependable service management. Nokia acquired Rapid's technology assets, including the [world's largest API hub](#), used by thousands of active developers globally, and its highly skilled research and development unit. This deal builds on Nokia's strategy of expanding its network API product roadmap and leading the API ecosystem of operators, systems integrators, independent software vendors, and hyperscalers to utilize 5G and 4G network capabilities and monetize network assets.

CSG announced the successful completion of its inaugural [double materiality assessment](#) as a critical step to enhance its environmental, social and governance practice and further inform its sustainability strategy. Duos Edge AI announced the early deployment of [three new EDCs](#) across Texas. The accelerated acquisition was enabled by using a financing partner, underscoring the Company's fast-to-market capabilities in delivering edge computing solutions for underserved areas. IonQ issued five new U.S. patents designed to deliver benefits across multiple industries and applications. With the pending acquisition of [Qubitekk's 118 patents](#), IonQ will have a total of over 600 U.S. and international issued and pending patents, standing apart from similarly-sized quantum companies based on its strength of IP protection and extensive combination of patents across different verticals.

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