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Enterprise & IT Industry News

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As we kick off 2025, a transformative year that could see an acceleration in Artificial Intelligence (AI) and quantum computing, we share our final roundup of news stories of 2024 to help set the stage.

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

Nokia has been [selected by Cloudbear](#), a growing hosting services provider in the Netherlands, to implement its state-of-the-art data center networking infrastructure. This complete data center deployment is implemented on the Kubernetes-based CBWS hosting environment. VIAVI and Rohde & Schwarz announced that SKY Perfect JSAT has selected their [joint Non-Terrestrial Network testbed](#) for its recently unveiled "Universal NTN Innovation Lab."



Aqua Comms and Ciena revealed the first-ever [1.3 Tb/s wavelength transmission](#) spanning 5500km across the Atlantic. This technical milestone was achieved using Ciena's WaveLogic Extreme, the industry's first fully programmable coherent technology capable of wavelength speeds up to 1.6Tb/s. Windstream

Wholesale successfully completed the world's first [800 Gigabit Ethernet transatlantic service trial](#) in partnership with Colt Technology Services and Nokia.

Rohde & Schwarz also announced a collaboration with Analog Devices to create a wide range of tests for [Gigabit Multimedia Serial Link](#) devices. NEC has finished construction of the [Asia Direct Cable](#), a high-performance submarine cable connecting China (Hong Kong SAR and Guangdong Province), Japan, the Philippines, Singapore, Thailand and Vietnam. e& UAE is the first in the world to use its slicing solution to create a [dedicated end-to-end network slice](#) capable of meeting the speed and latency demands of today's gaming applications. The Wireless Broadband Alliance released [Private 5G and Wi-Fi Convergence](#) Report: Phase 2 Technical Considerations. KT plans to deploy [Ciena's WaveLogic 6 Extreme](#) to accommodate ongoing customer demands for services beyond 400GbE. This follows a successful trial where KT transmitted and received data across its long-distance route between Seoul and Busan at 1.2 Tb/s, and at 1.6 Tb/s through its medium-distance route across Seoul and Cheonan.

Indra has selected the [Keysight EW Advanced Simulation Platform](#) to enhance and accelerate EW test and evaluation capabilities. Mediacom Communications has [upgraded its broadband network](#) in Nebo, Kentucky to the cable industry's new 10G Platform. Spirent collaborated with Siemens Digital Industries Software to deliver a sophisticated [pre-silicon test solution](#) for Ethernet chipset design verification. Sercomm and Harmonic formed an [exclusive technology collaboration](#) to advance DOCSIS 4.0 unified technologies. As part of this partnership, Sercomm will introduce its new DOCSIS 4.0 Unified Amplifiers, benefiting from Harmonic's expertise in FDX and unified nodes.

AI & Analytics News

JAL and NEC have jointly conducted a trial of the [NEC Baggage Counting Solution](#), which uses artificial intelligence to automatically analyze the quantity and types of carry-on baggage at boarding gates. VEON launched a [generative AI lab](#) by Kyivstar in partnership with Amazon Web Services. This initiative will help Ukrainian enterprises introduce AI technologies with the aim to enhance business processes and contribute to the country's long-term economic recovery.

NVIDIA announced that Field AI is building [robot brains](#) that enable robots to autonomously manage a wide range of industrial processes. ServiceNow and AWS have expanded their strategic collaboration with new capabilities to [accelerate AI driven business transformation](#) across every corner of the enterprise. Etiya has integrated its [AI-driven BSS](#) with Symphonica to provide CSPs with a comprehensive solution for rapidly accelerating their "Concept to Cash" journey.

Ericsson and Mobily have successfully completed a trial to explore Ericsson's [Artificial Intelligence-powered](#) 5G uplink interference Optimizer. Lumen has been chosen by [Prometheus Hyperscale](#) to connect its energy-efficient data centers to meet growing AI data demands. IBM's high-performing, enterprise-ready Granite [large language models](#) will be integrated into Lockheed Martin's AI Factory tools, which are accessed by more than 10,000 Lockheed Martin developers and engineers. Salesforce released Agentforce 2.0, the newest version of Agentforce, the first digital labor platform for enterprises, a [complete AI system](#) for augmenting teams with trusted, autonomous AI agents in the flow of work.

Oracle released a limited preview of [Oracle Database@AWS](#). Customers will now be able to run Oracle Exadata Database Service on Oracle Cloud Infrastructure in Amazon Web Services, starting with the AWS U.S. East Region. Oracle Database@AWS provides customers with a fully integrated experience for deploying, managing, and using Oracle Exadata Database Service natively within AWS.

Security & Assurance News

The European Council has adopted [two new laws](#), part of the cyber security legislative package, namely the so-called cyber solidarity act, and a targeted amendment to the cybersecurity act. Telefonica Tech has been chosen by [The Greater Miami Chamber of Commerce](#) to strengthen its cybersecurity. The technology company advises and provides managed security services to the Chamber in order to ensure the protection of its confidential information and the continuity of its operations. CrowdStrike announced an [expanded integration with Amazon Web Services](#) at AWS re: Invent 2024, helping to secure end-to-end AI innovation in the cloud.

Bell Canada and Palo Alto Networks [formed a strategic partnership](#) that brings together Bell's expertise in Managed and Professional services with Palo Alto Networks industry-leading, AI-powered cybersecurity platforms. HP released a new report highlighting the [far-reaching cybersecurity implications](#) of failing to secure devices at every stage of their lifecycle. CrowdStrike shared that in their [2024 State of AI in Cybersecurity Survey](#), 80 percent of security leaders prefer platform-based GenAI tools over point products and applications, highlighting the growing demand for integrated technologies that enhance efficiency and effectiveness across security operations.

iProov uncovered a [significant dark web operation](#) focused entirely on KYC bypass methods, as detailed in its Quarterly Threat Intelligence News Update for Q4 2024. LotusFlare successfully completed its [Type 2 SOC 2 audit](#) for the period of 12 months as it looks to reinforce its dedication to security and consistently delivering exceptional services by upholding the highest standards of confidentiality, integrity, and availability.

Cloud News

CDW acquired Mission Cloud Services, a leading [cloud professional services](#), managed services, and consulting provider. The new [Ericsson Compact Packet Core](#) includes the cloud-native Packet Core Controller and Packet Core Gateway network functions on top of a compact, one rack version of Ericsson's Cloud-Native Infrastructure. Wasabi is expanding their data management offerings for customers with the addition of [IBM Cloud's London data center](#) to Wasabi's storage regions. Nokia and du have deployed the first [commercial 5G Cloud RAN](#) solution in the Middle East and Africa regions.

GlobalData released its [2024 Telco Cloud infrastructure competitiveness assessment report](#), which crowns Huawei as an industry leader across all dimensions. Cloudflare has published its fourth annual [Impact Report](#). The report describes the company's efforts to advance its mission to help build a better Internet as well as support global initiatives like protecting the open Internet and building an innovation economy. ZTE partnered with MiFibra to successfully commercialize ZTE's [Smart Cloud Platform](#) in Peru.

LambdaTest revealed the general availability of its reimagined [SmartUI screenshot page](#). This new update is set to transform visual testing workflows, delivering a seamless, intuitive, and powerful experience tailored to the needs of testers and developers worldwide.

IoT and Innovation News

IonQ launched its quantum operating system, now called [IonQ Quantum OS](#), and a collection of new capabilities named IonQ Hybrid Services suite. These technologies will greatly advance performance and utility of quantum computing for enterprise customers. Nokia released the [Nokia 5G Banshee Flex Radio](#), a revolutionary mobile broadband edge network designed to meet the complex communication demands of modern warfare. Nippon Gases, one of the largest industrial gas companies in Europe, has implemented [Juniper Network's AI-Native wired and wireless LAN solutions](#) to enhance mobile experiences across

Nippon Gases's IT and operational technology environments while streamlining network operations to foster digital innovation.

Nokia and Turkcell have successfully demonstrated a world-first ability to implement [quantum-safe IPsec network cryptography](#) for its mobile subscribers. This groundbreaking achievement marks a critical step in securing mobile networks against future threats posed by quantum computing. Sidus Space announced the successful launch and deployment of [LizzieSat-2](#) into low Earth orbit as part of the Bandwagon-2 rideshare mission with SpaceX, which launched from Vandenberg Space Force Base in California. Nokia and Motorola Solutions shared a drone technology integration to launch an AI-enhanced turnkey, automated [drone-in-a-box solution](#) that sets a new standard for first responders and mission-critical industries, offering enhanced situational awareness, streamlined remote operations, and faster decision-making.

Market News

VEON is entering into a strategic partnership with Engro Corp with respect to the pooling and [management of its infrastructure assets](#), starting in Pakistan. Alianza has signed a definitive agreement with Microsoft to [acquire Metaswitch](#), a provider of high-performance communications software. The acquisition will give Alianza a combined customer base of more than 1,000 communications service providers, including 19 of the top 20 global operators, as well as a comprehensive portfolio of services that will streamline the path to a cloud-orchestrated, AI powered communications future. VIAVI has signed a definitive agreement to acquire Inertial Labs, Inc. for an [initial consideration of \\$150 million](#) at closing and up to \$175 million of contingent consideration over four years. VIAVI intends to fund the transaction through cash on hand.

Snowflake revealed its [growing presence in the Middle East](#) with the establishment of a new regional headquarters in Riyadh, Saudi Arabia, and general availability on Google Cloud in the Kingdom of Saudi Arabia, to better meet the Kingdom's data residency and sovereignty requirements so that data can reside within the country's borders. Cable One has amended the terms of its [strategic investment in Mega Broadband](#) to provide enhanced timing flexibility for Cable One's potential acquisition of full ownership of MBI. OKI has entered a [strategic partnership with FPT](#) agreeing partial ownership of OKI's two software development subsidiaries in China. The collaboration is set to accelerate software development capabilities and drive global business expansion for both companies.

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