IT & Telecom Industry News

By: Thomas Board - Pipeline

2024 is nearing its close and companies are already planning development and marketing strategies for next year, but that hasn't slowed down the rate of tech related news. At Pipeline we have curated the most captivating stories from electoral cybersecurity to quantum innovations.

As we enter Q4, tech companies around the world are fighting for first place to share the most innovative stories before the end of the year. At Pipeline we have sourced the most exciting stories ranging from surprising acquisitions to revolutionary moves in AI.

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.

Security & Assurance News

The Federal Communications Commission announced a data protection and cybersecurity settlement with T-Mobile to resolve the Enforcement Bureau's investigations into significant data breaches that impacted millions of U.S. consumers. Plurilock Security and CrowdStrike formed a new partnership to secure critical infrastructure in democratic nations and economies against modern threats. Plurilock

will provide sales and support of the AI-native CrowdStrike Falcon cybersecurity platform to help power Plurilock's Critical Services business unit. NEC has been commissioned by Japan's Ministry of Internal Affairs and Communications to conduct [cybersecurity capacity building exercises](#) for Pacific island countries. Exercises were first conducted in Fiji for seven days from October 2 to 10, 2024, with 29 cybersecurity practitioners from government agencies and critical infrastructure operators from 13 countries participating. The NFL is leveraging Cisco's industry-leading enterprise [networking and cybersecurity solutions](#) to connect and protect the NFL International Games.

Fortinet released its FortiGuard Labs Threat Intelligence Report: [Threat Actors Targeting the 2024 U.S. Presidential Election](#), which reveals and analyzes threats tied to U.S.-based entities, voters, and the electoral process. IBM is launching [IBM Guardium Data Security Center](#), allowing organizations to protect data in any environment, throughout its full lifecycle, and with unified controls. Celona released Aerloc, a new [suite of security capabilities](#) that provide the next generation of private 5G wireless network security for Industry 4.0. Designed to address the unique challenges of securing increasingly digitized industrial IT and OT systems, Aerloc provides enhanced security and reliable connectivity without sacrificing agility. CrowdStrike formed a strategic partnership with Fortinet to unify best-in-class [endpoint and firewall protection](#). By integrating AI-native endpoint security from the CrowdStrike Falcon cybersecurity platform and Fortinet's FortiGate next-generation firewalls, customers and partners gain the flexibility, visibility and security across networks, applications and endpoints to stop breaches.

Nokia received the receipt of the [Federal Information Processing Standards](#) 140-3 Security Level 2 Validation certificate for its 1830 PSS, PSI-M, and PSS-24x products. This certification marks the first FIPS 140-3 Security Level 2 validation for Layer 1 optical transport systems in the industry, setting a new benchmark for secure network operations. Juniper Networks released its new Juniper Secure AI-Native Edge solution, with a new [Security Assurance product](#), combining Juniper Mist's award-winning AI-Native and cloud-native network operations with the industry's leading efficacy security solution. Palo Alto Networks and Deloitte have expanded their strategic alliance into EMEA and JAPAC regions, making Palo Alto Networks AI-powered cybersecurity solutions and joint offerings available to Deloitte clients globally. The new agreement builds on the long-standing collaboration between the two organizations, accelerating the adoption of leading [cybersecurity capabilities](#) and helping clients realize the benefits of platformization.

Network and Mobile News

Cloudflare released Speed Brain, a new product that works with some of the most popular web browsers to [speed up how webpages load](#) by up to 45 percent faster, for free. Lightpath and Ciena deployed the industry's first known [400 Gb/s protected optical circuit](#) utilizing power-efficient and high-performance pluggable technologies. Huawei launched its brand-new [Alpha series antenna](#). This marks a major breakthrough, as this series embodies the essential capabilities base station antennas will need in the mobile AI era: high efficiency, digitalization, and easy deployment. Aliro made an agreement with the Air Force Research Laboratory to provide **software and professional services** that will enable AFRL to simulate, test, and operate entanglement-based quantum network infrastructure, including the innovative work of networking quantum computers with heterogeneous qubit platforms. Anritsu and SmartViser formed a **strategic partnership** to revolutionize the testing, monitoring, and assurance of mobile and private networks. Omantel and Optiva have successfully completed one of the most complex **real-time rating and charging transformation projects** to date. In partnership, Omantel and Optiva have seamlessly upgraded and migrated over 200 Omantel products and services across all business lines to Optiva's convergent charging engine, hosted on Omantel's private cloud. Spirent Communications announced its new 5G Fixed Wireless Access

testing services. **Spirent's 5G FWA solutions** offer comprehensive lab-based 5G/Wi-Fi gateway testing and live network competitive benchmarking to enable communications service providers and device manufacturers to better optimize quality of experience and differentiate their offerings in an increasingly competitive market.

Beanfield has deployed DZS Velocity fiber access platforms and Helix optical network terminals to deliver among the [fastest internet speeds in Canada](#). Beanfield is leveraging DZS' market-leading technology to offer its residential and business subscribers multi-gigabit services up to 8 Gigabits per second in multiple dwelling units in many of Canada's largest cities. Rohde & Schwarz and IMST GmbH have developed a patented [antenna digital twin solution](#), effectively addressing a multitude of challenges and delivering considerable benefits for vehicle manufacturers and their suppliers to optimize automotive connectivity.

AI & Analytics News

Microsoft and Rezolve AI formed a strategic partnership to empower retailers with advanced capabilities for digital engagement. Through this collaboration, Rezolve AI's [Brain Suite](#), including Brain Commerce, Brain Checkout, and Brain Assistant will be powered by Microsoft Azure and available globally via Microsoft's Azure Marketplace and co-sell channels. Oracle introduced the [Oracle Financial Services Crime and Compliance Management Investigation Hub Cloud Service](#). The new AI-powered case management solution delivers a modern user experience that reduces manual tasks, removes data silos, and elevates the insights investigators need to focus their time on analysis and combating financial crime. ServiceNow and Snowflake have formed a [Zero Copy partnership](#) that connects enterprise-wide data to help solve mission-critical problems at scale. The Zero Copy integration will leverage Snowflake's powerful enterprise AI platform to allow customers to trigger ServiceNow workflows directly from Snowflake.

SAP revealed new innovations and [embedded artificial intelligence](#) across the SAP SuccessFactors HCM suite that provides organizations with greater efficiencies and unparalleled experiences. NVIDIA shared that xAI's Colossus supercomputer cluster comprising [100,000 NVIDIA Hopper Tensor Core GPUs](#) in Memphis, Tennessee, achieved this massive scale by using the NVIDIA Spectrum-X Ethernet networking platform, which is designed to deliver superior performance to multi-tenant, hyperscale AI factories using standards-based Ethernet, for its Remote Direct Memory Access network. Netcracker and du will closely collaborate on leveraging Netcracker's [GenAI Telco Solution](#) to foster innovation, enhance service delivery and elevate the overall customer experience across du's network.

Lumen and Meta are partnering to significantly increase [Meta's network capacity](#) and help drive its bold AI ambitions. The expanded network will provide dedicated interconnection for Meta's industry-leading infrastructure, strengthening and increasing the company's ability to lead in AI development. Gluware released a series of new [offerings and capabilities](#) that will help network engineers, operators and automation developers deliver network security, AI-readiness, and performance assurance better, faster and more affordably, using flawless intent-based intelligent network automation.

IoT and Innovation News

IonQ expanded their relationship with the Air Force Research Lab to deploy two [barium-based trapped ion quantum computing systems](#) for quantum networking research and application development. Vodafone Business IoT collaborated with Kigen to reduce the time and operational burden involved for enterprises in the development of [IoT products and services](#). As a result, the two companies' iSIM

technology is commercially available directly on multiple chipsets, with delivery times faster than any previous generation of SIM. Pairpoint and Mastercard shared a new collaboration and payments service that will allow fleet, freight, shipping, and logistics operators to authorize machines to trade with other machines on their behalf.

Ericsson and MobiFone have signed an MoU to collaborate on establishing a 5G Innovation Hub at MobiFone's premises in Vietnam. The 5G Innovation Hub will feature innovative 5G use cases that demonstrate the potential of 5G for consumers and enterprises based on advanced, state of the art equipment, trained resources and interactive display. ZTE teamed up with China Telecom's Suzhou Branch to deploy an innovative 5G IoT integration network solution at The First Affiliated Hospital of Soochow University. IBM completed its latest expansion of the IBM Quantum Data Center in Poughkeepsie, New York, which operates the highest number of available utility-scale quantum computers at a single location in the world. These systems are a part of the more than a dozen quantum computers offered to global clients via the IBM cloud.

Telefonica and Halotech Digital Services launched an innovative IoT solution for secure communication based on post-quantum encryption for safety-critical environments, such as mining, healthcare or industrial sectors, among others. The solution called TU Quantum Encryption has been developed based on the proof of concept IoT Quantum Ready for Halotech AI helmets, applied to Halo I and Halo III smart devices.

Cloud News

Intersec launched its new private cloud platform designed to host and manage its cloud-native portfolio of B2B and B2G applications. This innovative solution offers public and private organizations a fully managed, end-to-end cloud environment that enhances security, performance, and cost-efficiency. NTT DATA Japan has selected Oracle Alloy to help Japanese organizations across the public and private sector accelerate the use of cloud services while addressing data sovereignty and compliance requirements. With Oracle Alloy deployed in its data centers, NTT DATA Japan will be able to give its customers access to 150-plus Oracle Cloud Infrastructure services, including the latest AI capabilities. Orange Business deployed their centralized managed hybrid cloud solution for TMF Group to improve performance and provide greater flexibility and collaboration capabilities to address digital business needs.

Ericsson in partnership with Telenor Microfinance Bank have successfully completed a major tech stack upgrade of the Ericsson Mobile Financial Services platform at TMB, upgrading it to the latest cloud-native version. Alkira launched Alkira Zero Trust Network Access, a cloud-based service that redefines secure access from anywhere for the modern enterprise. Set for general availability in Q4 2024, Alkira ZTNA combines zero trust principles with Alkira's renowned network infrastructure expertise to deliver a unified platform for end-to-end secure connectivity without compromising on network performance and efficiency.

Market News

HP has acquired Vyopta, an Austin based provider of collaboration management solutions, offering analytics and monitoring for large, unified communications and collaboration networks. Vyopta brings extensive expertise and infrastructure to turbocharge the development of HP's Workforce Experience Platform and provide customers with more insights and capabilities. Comarch has become the latest member of the Utilities Technology Council, an America-based global trade association representing

the critical communications and technology interests of energy, gas, and water utilities. This partnership will aid UTC's efforts to enable and enhance the utilities industry globally and strengthen Comarch's presence in the United States. ServiceNow pledged its commitment to the UK market, with plans to invest $1.5bn into its UK business over the next five years. The company plans to expand with new office space, as ServiceNow significantly grows its employee base beyond its current headcount of 1,000 employees.

The US Department of Defense awarded another contract for more than $4 million to Gilat Satellite Networks' US-based subsidiary, DataPath, for DKET 3421 terminals, portable satcom hubs that provide the flexibility, capacity, connectivity, and control needed to ensure mission success anywhere in the world. The orders are expected to be delivered during the first half of 2025. Nokia has signed a multi-year patent license agreement with HP covering the use of Nokia's video technologies in HP's devices. Under the agreement HP will make royalty payments to Nokia. The agreement resolves all patent litigation between the parties, in all jurisdictions. The terms of the agreement remain confidential as agreed between the parties.

Ciena's Board of Directors have authorized a program to repurchase up to $1 billion of the company's common stock, commencing in fiscal year 2025 and continuing through the end of fiscal year 2027. VIAVI opened its VIAVI Automated Lab-as-a-Service Open RAN testing facility in Chandler, Arizona with a ribbon-cutting ceremony attended by senior VIAVI management, customers, partners, government officials, and dignitaries.

To read more telecom industry news stories, be sure to visit Pipeline's News Center and subscribe to Pipeline's weekly and monthly newsletters. You can also follow Pipeline on LinkedIn, X (formerly Twitter), or Facebook to get telecom industry news alerts in real time. To have your company's new considered for coverage in this monthly IT and technology industry news column, send your breaking news and press releases to pressreleases@pipelinepub.com.