IT & Telecom Industry

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The holiday season is upon us but tech and telecom news is still making its way to Pipeline thick and fast. We've seen advancements in Artificial Intelligence, Generative AI, and Quantum Computing this year, plus exciting 5G and 6G stories going live every month.

This 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 telecom industry news summary.

Network & 5G News

Our Mobile issue will be releasing early next year, and we're excited as 5G has been one of 2023's most dominant themes. In Network & 5G News, Orange Business and VMware are strengthening their partnership to deliver Flexible SD-WAN with VMware as the first fully embedded SD-WAN offering in their Evolution Platform. The City of Las Vegas has selected Juniper Cloud Metro solutions for building its private 5G network, powering services for city government, public schools, tourism, and residents, and helping the city reach its goal of becoming a model smart city by 2025.

Japanese mobile operator, NTT DOCOMO, is deploying Nokia's Open RAN-compliant 5G AirScale baseband solution including Centralized Unit and Distributed Unit software in its commercial network nationwide. Cisco has added seven new modules to the Cisco Observability Platform, built by development partners and created to expand its full-stack observability ecosystem.

Nokia has entered into an agreement with TATA Play Fiber to launch India's first WiFi6-ready broadband network. Ericsson has launched a new software toolkit to strengthen 5G standalone network capabilities and enable premium services with differentiated connectivity. The portfolio enhancement comes as the growth of new use cases and rising mobile user expectations on the quality of 5G experience are putting greater demands on network capacity and performance.

Security & Assurance News

In Security & Assurance News, Cycode released Raven, a [CI/CD pipeline security scanner](#) that makes hidden risks visible by connecting the dots across vulnerabilities woven throughout the pipeline that, when viewed collectively, reveal a much greater risk than when assessed as one-off CVEs. CrowdStrike announced that their AI-powered cybersecurity offering for small and medium businesses, [CrowdStrike Falcon Go](#), is now available on Amazon Business.

Palo Alto Networks announced it has entered into a definitive agreement to acquire Talon Cyber Security, a pioneer of Enterprise Browser technology. Talon's Enterprise Browser provides an innovative, cutting-edge solution that, when combined withPrisma SASE, will enable users to [securely access business applications from any device](#), including mobile and other non-corporate devices, while delivering seamless user experiences. Windstream Enterprise's Secure Access Service Edge and Security Service Edge solutions, powered by Cato Networks, are [available for U.S.-based companies that operate internationally](#).

 MainTegrity announced a groundbreaking step in the battle against ransomware. MainTegrity FIM+ software can now [detect and help neutralize the most insidious forms of ransom attacks](#), malicious encryption, and data exfiltration.

AI and Analytics News

AI and Analytics News has given us innovations in medicine using generative AI and exciting new findings in AI studies. Proofpoint has entered into a definitive agreement to [acquire Tessian](#), a leader in the use of advanced AI to automatically detect and guard against both accidental data loss and evolving email threats. JUPITER will be powered by the [NVIDIA Grace Hopper accelerated computing architecture](#) to deliver extreme-scale computing power for AI and simulation workloads. Palo Alto Networks announced that [Cortex XSIAM](#) now enables customers to add their own custom AI models on the XSIAM data lake in addition to the already existing 1,300 models.

Adtran is integrating the Intel NetSec Accelerator Reference Design with its Ensemble Cloudlet solution to [enhance edge cloud deployments](#) with advanced security, faster data processing, and improved networking performance. Cisco's new [AI study](#) reveals that a mere 14% of organizations globally are fully prepared to deploy and leverage Artificial Intelligence-powered technologies, according to their inaugural AI Readiness Index.

Red Hat has made Red Hat Ansible Lightspeed with [IBM watsonx Code Assistant](#) available, a generative AI service to help enterprises accelerate IT automation across an organization. Dropbox and NVIDIA have collaborated to [supercharge knowledge work](#) and improve productivity for millions of Dropbox customers through the power of AI. A new generative AI collaboration between Genentech and NVIDIA aims to transform the [discovery and development of new medicines](#) by bringing together experts from each company to optimize and accelerate Genentech's proprietary algorithms.

Cloud News

In Cloud News, Bitdeer Technologies Group has become a preferred cloud service provider in the NVIDIA Partner Network and plans to launch Bitdeer AI Cloud, among the first cloud services powered by [NVIDIA DGX SuperPOD with DGX H100 systems in the Asia region](#). The service will provide Bitdeer's customers with access to NVIDIA AI supercomputing to help them accelerate their development of generative AI, large language models, and other AI workloads. Meanwhile, Palo Alto Networks has introduced Strata Cloud Manager, the industry's first [AI-powered zero trust management and operations solution](#). With these innovations and over 4,400 machine learning models, Palo Alto Networks is well-positioned to prove the combination of AI and zero trust can best protect today's customer needs.

Oxide Computer Company unveiled the world's first [commercial Cloud Computer](#), a true rack-scale system with fully unified hardware and software designed for on-premises cloud computing. Also, Telefonica has [expedited cloud migration and modernization of over 100 complex applications](#) by leveraging CAST Highlight, accelerating their transition to Microsoft Azure. The product's software intelligence capabilities enabled automation of the migration planning process, allowing the Telefonica IT Transformation team to rapidly modernize their portfolio and achieve tangible business benefits.

IoT and Innovation News

In IoT and Innovation News, Riyadh Air and IBM formed an agreement in which IBM Consulting will be the lead systems integrator to support creating, building, and orchestrating the technology foundation that can help the [digitally native airline offerexceptional and seamless travel experiences](#). Juniper Research's new study has found there will be over [490 million low-power IoT roaming connections by 2028](#), growing from 90 million in 2023. Low-power networks, such as NB-IoT and LTE-M, connect devices and sensors over cellular networks to remotely monitor environments in industries including smart cities, agriculture, and manufacturing.

CommScope and STMicroelectronics have integrated CommScope's PKIWorks IoT security platform with ST's popular STM32WB microcontroller unit. This integrated solution offers device manufacturers a [turnkey solution for developing IoT devices](#) that meet the Connectivity Standards Alliance's Matter standard for security. Cisco added new features, enhancements, and tools for its extensive partner community. As Cisco invests in creating more business value throughout the entire customer lifecycle, it has initiated a significant evolution of its flagship incentives to [reward partners for selling Cisco hardware, software, and as-a-service solutions](#). To support partners' competitiveness, Cisco is adding up to six new solution specializations within the next nine months.

The Federal Communications Commission announced it is committing nearly $5.2 million in a new funding round through the Emergency Connectivity Fund Program, which provides [digital tools and services to support students in communities across the U.S](#). The funding commitment

supports applications from the third application window, benefitting approximately 14,000 students nationwide, including students in California, New Jersey, and Wisconsin.

Market News

This month the markets have shown collaboration across the world with large purchase orders, factory openings and more, dominating the telco market headlines. In Market News, Vodafone intends to create a strategic partnership with Accenture to commercialize Vodafone's shared operations to accelerate growth, enhance customer service, and drive significant efficiencies for Vodafone's operating companies and partner markets, as well as create new career opportunities for its people. Lumen finalized the close of the sale of its European, Middle Eastern, and African business to Colt Technology Services, headquartered in London, for $1.8 billion cash. Adtran opened its new Terafactory in Meiningen, Germany, fortifying supply chain resilience and accelerating regional technological advancements. The new state-of-the-art facility brings production back to Central Europe, boosting the company's robustness against global logistics shocks and promising to create new local jobs.

Radware signed a managed security service provider reseller agreement with Feenix Communications Limited, a multi-carrier telecommunications company providing solutions to the service provider industry. Based on the agreement, Feenix Communications plans to resell Radware's application and network security solutions to its network integrator and internet service provider customers in New Zealand. Wearable Devices now has the receipt of a purchase order for its evaluation kit samples and dedicated evaluation software from a prominent Japanese industrial automation company.

Nokia Bell Labs and Aramco have signed a non-binding R&D collaboration agreement to support Industry 4.0/4IR digital use-case creation and proof of concept development for priority industrial sectors in the Kingdom of Saudi Arabia and beyond. Vodafone Group has entered into binding agreements with Zegona Communications in relation to the sale of 100% of Vodafone Holdings Europe, S.L.U. Ericsson has been granted funding from Germany's Economic Affairs and Climate Action Ministry for its 30 million Euro KeeCEK (Small efficient effective Cloud Edge Nodes) project, aimed at ramping up the development of innovative cloud and edge infrastructure technologies. The project is part of the Important Project of Common European Interest on Next Generation Cloud Infrastructure and Services (IPCEI-CIS).

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