Enterprise IT and Telecom Technology Industry News

By: Thomas Board, Pipeline

News has been more compelling than usual this month as telcos rushed to share exciting innovations on their stands at this year's Mobile World Congress. Below are the most exciting stories you will find in tech curated by *Pipeline* summarized in categories that represent some of our upcoming issue themes.

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.

Customer Experience News

We'll begin the monthly news roundup with this month's issue theme of Customer Experience. In CX/DX news Juniper Networks released the industry's first AI-Native Networking Platform, purpose-built to leverage AI to assure the best end-to-end operator and end-user experiences. Trained on seven years of insights and data science development, Juniper's AI-Native Networking Platform was designed from the ground up to assure that every connection is reliable, measurable, and secure for every device, user, application, and asset. Somos made RealAgent available. In line with the Federal Communications Commission's emphasis on consumer protection and fraud prevention in the telecom sector, RealAgent emerges as a solution that helps empower enterprises with the data they need to ensure that their outbound calls and texts are reaching the intended recipient. This solution also aids

enterprises in obtaining safe harbor protection from potential Telephone Consumer Protection Act violations.

NTT DATA Business Solutions and IBM established a Center of Excellence for the watsonx generative AI platform. The joint CoE will focus on the use of the IBM watsonx AI and data platform with watsonx AI assistants for the development of embedded generative AI solutions for clients. The CoE combines the industry expertise of NTT DATA Business Solutions with IBM technology to help NTT DATA Business Solutions clients scale and accelerate the impact of generative AI. Deutsche Telekom will be

presenting a [visionary AI phone concept](#) at Mobile World Congress 2024 together with Qualcomm Technologies, Inc. and Brain.ai. An assistant based on artificial intelligence replaces the countless apps on the smartphone. Like a concierge, the assistant understands your goals and takes care of the details.

Network & 5G News

In Network & 5G News, Telia Lithuania is leveraging Ciena's WaveLogic 5 Extreme coherent optics to upgrade its countrywide network to support [400G and higher services](#) and deploy the first 800Gb/s wavelength service between major cities in Lithuania. The Swedish Civil Contingencies Agency has procured a 5G core network from Ericsson to develop Rakel G2, [Sweden's critical communications network](#) for public safety and emergency services including national defense purposes. Comarch has become one of the first companies in Poland to receive a permit to use dedicated [4 to 4.1 GHz radio frequencies for private 5G networks](#). The company will set up a fully-fledged 5G network to improve the quality of its products.

VEON has launched its Geolocation Gateway with the first implementation already in place in Uzbekistan. Building on the global GSMA Open Gateway framework for universal, open APIs for enterprise developers, the Geolocation Gateway will enable a wide range of use cases, from proximity-based commercial services to reducing fraud in financial services, as well as [supporting location-based emergency response](#). Summit Communications has selected Juniper Networks' PTX Series Routers for [400G Converged Optical Routing](#) solution upgrades to serve as the foundation of Summit's core network. This will enable seamless network capacity expansion and efficient delivery of enhanced connectivity over hundreds of kilometers to various points of presence across the country.

Wave Electronics has designed-in Picocom's PC802 system-on-chip into its latest [Open RAN product](#), the WEH47-TM24B radio unit. In conjunction with Wave Electronics, Picocom showcased the new deployment-ready O-RU in a live end-to-end demonstration at MWC 2024. Anritsu Corporation and MediaTek have verified advanced three uplink transmission technology featured in MediaTek's M80 5G Modem by using Anritsu's [MT8000A all-in-one Radio Communication Test Station](#), providing a flexible test platform for ultrafast, large-capacity 5G communications. The MT8000A supports sub-6 GHz and mmWave RF tests, as well as protocol tests for development of advanced 5G technologies.

At MWC, Red Hat collaborated with stc Group to achieve faster development, delivery and innovation of services by harnessing automation and cloud-native agility. With Red Hat OpenShift, Cisco system integration and Cisco Network Services Orchestrator, stc Group is now able to host [multiple cloud-native network functions from various ecosystem vendors](#) with automated deployment and operations.

AI & Analytics News

In this month's AI & Analytics News, Deutsche Telekom presented a visionary AI phone concept at MWC 2024 together with Qualcomm Technologies, Inc. and Brain.ai. An assistant based on artificial intelligence replaces the countless apps on the smartphone. Like a concierge, the assistant [understands your goals](#) and takes care of the details. James Cook University Singapore, the first international campus of James Cook University Australia, deployed Juniper Network's cloud-delivered wireless access solutions driven by Mist AI for upgrades to its campus network. With the Juniper Access Points, JCU Singapore has built an [AI-driven wireless network](#) that supports its drive towards creating a technology-enhanced education program, delivering seamless blended learning experiences for its students.

Cradlepoint's new comprehensive AI functionality will make 5G networks smarter, simpler, and more secure. Cradlepoint is the first enterprise 5G router vendor to adopt an [AI model uniquely focused on cellular networking](). Organizations are also able to embrace the productivity benefits of generative AI tools without the risk of data leakage through a security service acquired from Ericom. CrowdStrike has become a founding member of the U.S. Department of Commerce's National Institute of Standards and Technology's Artificial Intelligence Safety Institute Consortium, demonstrating its commitment to the [advancement and promotion of responsible AI](). The AISIC will act as a collaborative platform where both public sector and private stakeholders will help shepherd standards and techniques around the broader implementation and development of trustworthy AI.

Nokia launched [MX Workmate](), a suite of operational technology-compliant tools that makes it easier for industrial workers to interact with industrial machines. MX Workmate leverages generative AI and large language module technologies to generate contextual, human-like language that is content based. Companies using ProvisionAi's AutoO2 load optimization solution [removed 88,000 trucks from the road in 2023](). The goal for 2024 is to remove 188,000 trucks, further reducing carbon emissions and helping companies meet their cost and sustainability goals.

It seemed as though every company at this year's MWC showcased a generative AI application of some kind. MYCOM OSI's new generative AI-based expert application concept GenAIe offers [natural language based real-time advice]() and predictive insights, democratizing network data for the CSP's business and operations users to gain insights for enhanced customer experience, higher operational efficiency, and data monetization.

CrowdStrike announced the general availability of [Charlotte AI and Falcon for IT](), as well as new innovations to Falcon Data Protection, to unify Security and IT, unleash the power of GenAI, and minimize the data exposure risks associated with commercial GenAI tools. These latest releases deliver AI-native innovation, a hallmark of the CrowdStrike Falcon XDR platform.

IoT and Innovation News

In IoT and Innovation News, Esper now supports devices running Apple iOS and iPadOS. This capability builds on Esper's industry-leading device management solutions for Android. Esper's platform provides a [single pane of glass solution]() that revolutionizes the way companies manage mixed fleets of iOS and Android devices with a solution that offers the same tools and workflows across both operating systems. MATSUKO and Telefonica launched a spatial computing experience of holographic meetings, developed in collaboration with NVIDIA, which will enable creators to [connect and collaborate seamlessly as holograms in real time](). With just their smartphone camera, people can enter holographic meetings as themselves as 3D creations and thus enjoy a new and immersive way of communication.

Oracle released their [Enterprise Communications Platform](). By seamlessly connecting Oracle industry applications to networks and IoT devices to extend their value, ECP enables organizations to re-imagine how they do business. In a similar vein, TeamViewer unveiled their new [TeamViewer Spatial Support](), an app to experience TeamViewer's pioneering 3D visualization and real-time remote assistance on Apple Vision Pro. Australia's Pawsey Supercomputing Research Centre will add the NVIDIA CUDA Quantum platform accelerated by [NVIDIA Grace Hopper Superchips]() to its National Supercomputing and Quantum Computing Innovation Hub, furthering its work driving breakthroughs in quantum computing. Researchers at the Perth-based center will leverage CUDA Quantum, an open-source hybrid quantum computing platform that features powerful simulation tools. Cavli Wireless has joined the [Orange Connected validation program]() to strengthen customer trust further and support the building of the next generation of IoT connectivity management technology. At MWC, ZTE displayed the world's first 5G and AI eyewear-free 3D tablet, nubia Pad 3D II. This remarkable device

provides consumers with a **truly immersive eyewear-free 3D experience**, and continues to bring pioneering 3D solutions for various industries, adapting to differentiated scenarios through groundbreaking technological advancements and deep integration of 5G and AI. The Catalan Data Protection Authority warned attendees to the expo of the need to **limit the use of biometric data**, such as the iris of the eye, due to the significant risks associated with doing so. In the talk "Biometric data: a new paradigm for privacy," the Head of the Legal Advice, Xavier Urios, recalled that the iris or fingerprint are personal data that allow the unequivocal identification of the person, based on a physical characteristic that does not change throughout life.

Security & Assurance News

In Security & Assurance News, CrowdStrike has signed Ignition Technology as a strategic distribution partner in the UK. The new partnership will give CrowdStrike's solution providers resources to increase the availability of the AI-native CrowdStrike XDR Falcon platform to UK businesses through Ignition's market-leading partner network. ReasonLabs released its annual data report, The State of Consumer Cybersecurity 2024. The report details 2023 findings from its Threat Intelligence Center, including emerging threats, key trends, and data points from ReasonLabs users across 180 countries globally.

Sophos shared details on how sha zhu pan scammers, those conducting elaborate, romance-based cryptocurrency fraud, are leveraging a business model similar to cybercrime as-a-service by selling sha zhu pan kits on the dark web, globally expanding to new markets. Sophos details these advanced sha zhu pan operations (also known as pig butchering) in the article, Cryptocurrency Scams Metastasize into New Forms. Fortinet has made a new compact, ruggedized appliance explicitly built to deliver enhanced secure networking capabilities and 5G connectivity to operational technology environments. Backed by the latest, fifth-generation Fortinet Security Processing Unit, the FortiGate Rugged 70G with 5G Dual Modem provides unparalleled networking performance.

Palo Alto Networks released a new Cortex platform offer for endpoint security to help customers accelerate platformization and improve their endpoint protection. Organizations struggle to prevent, detect, and respond to the continuous advancement of cyberthreats. To simplify their architectures, increase efficiencies, and create better security outcomes, organizations are adopting platformization.

At MWC 2024, CTOne released a new Open Radio Access Network and end-to-end private 5G security solutions. CTOne also showcased next-generation security solutions that will propel organizations to utilize the full potential of private 5G while effectively managing associated cyber-risks. Telefonica and TikTok have formed a strategic partnership to work together on Open Gateway, an industry initiative launched by the GSMA just over a year ago at MWC 2023. It aims to unlock the potential of telecom network capabilities in an interoperable, intuitive, and programmable way through open and standardized APIs.

Market News

In Market News, ServiceNow has formed a five year strategic alliance with Visa to transform payment services. The initial phase includes the launch of ServiceNow Disputes Management, built with Visa, consisting of a single, connected disputes resolution solution for issuers. Claro Colombia has selected AI-based solutions from a strategic partnership between Tata Consultancy Services and VIAVI Solutions to expand and transform Claro's Service Operations Center. This four-year project supports Claro's customer-centric strategy by redesigning the SOC around real-time network monitoring of fixed and mobile services supported by its networks to ensure availability, performance, and capacity.

Bechtle Clouds, a subsidiary of Bechtle AG, Germany's largest IT system house, will expand its use of [Netcracker Revenue Management](#) and Netcracker Digital Marketplace in a multi-year engagement to support its highly dynamic and fast-growing business. Gilat Satellite Networks was awarded a [multimillion-dollar defense satellite connectivity project](#). Gilat's SkyEdge IV platform and Taurus-M modems will be augmenting the advanced satellite communications capabilities for a leading governmental defense organization.

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