



www.pipelinepub.com

Volume 20, Issue 9

IT & Telecom Technology News

By: [Thomas Board, Pipeline](#)

Companies are fighting hard to innovate at a scale never seen before with AI making its mark in the IoT space. We are covering all the stories that matter in this issue of *Pipeline* which is themed around IoT and the Device Revolution.

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 industry enterprise and communications technology news summary.



IoT and Innovation News

In IoT and Innovation news, IBM and Pasqal announced their intent to partner to develop a common approach to **quantum-centric supercomputing** and promoting application research in chemistry and materials science. Spirent Communications has successfully implemented **Xona Space Systems' PULSAR production signals** for seamless integration into the existing SimXona product line. Netcracker Technology launched its **Digital Satellite Solution**, a blueprint for multi-orbit IT that radically transforms how satellite operators manage, optimize and monetize their business. With the new solution, operators can guarantee the best service quality at any time, deliver a premium digital engagement to their customers and expand their business with any offer to any customer worldwide.

Sateliot will launch four satellites from its **5G-IoT constellation** on SpaceX's Transporter-11 mission. The launch is scheduled for July, and the satellites will fly aboard a Falcon 9 rocket from Vandenberg Air Force Base in California. Haier Europe has chosen Orange Business connectivity and **IoT services** to help innovate its sustainable solutions while optimizing resource consumption and extending the life of products. T-Systems and Aurora Lab will offer Aurora Labs' differential software update capabilities alongside T-Systems' end-to-end Over-the-Air platform to the automotive industry. This solution will **support car manufacturers** in optimizing time-to-market and the total cost of ownership for Software Defined Vehicles, and will also enhance the overall driving experience for customers through continuous software updates and improvement.

Mitsubishi Electric Corporation will increase its **existing investment** in Massachusetts-based Realtime Robotics, Inc., an American startup company that is pioneering motion-planning technology for calculating trajectories to enable factory-automation equipment to avoid obstacles and generate optimized routes. Lantronix has published its case study on HY-LINE Group's Smart Shelf, an easy-to-

deploy digital retail shelf signage solution that delivers customer engagement and buying behavior analytics. Utilizing Lantronix's [E210 Series Router with IoT SIM Connectivity Services](#) and Lantronix's Percepixon Cloud IoT Edge Solutions platform, this solution is securely and centrally managed for global deployment.

Artificial Intelligence (AI) & Analytics News

In Artificial Intelligence & Analytics News, Audi will leverage [generative AI from Cerence](#) to expand the capabilities of its in-car assistant. With a dual focus on creating added value for cars already on the road as well as advancing its in-car assistant capabilities for the future, Audi will first deploy Cerence Chat Pro in Audi vehicles equipped with the MIB 3 infotainment platform, beginning with model year 2021 via back-end activation as well as upcoming models. NVIDIA released Nemotron-4 340B, a [family of open models](#) that developers can use to generate synthetic data for training large language models for commercial applications across healthcare, finance, manufacturing, retail and every other industry.

Anthropic's Claude 3 model is now available as one of the [Large Language Models](#) integrated to support Tabnine's AI-enabled software development tools, using the API directly from Amazon Bedrock. Apple is integrating ChatGPT into experiences within iOS, iPadOS, and macOS, allowing users to access [ChatGPT's capabilities](#), including image and document understanding, without needing to jump between tools.

Superbio AI has entered into an initiative with Memorial Sloan Kettering Cancer Center to make user-friendly [biomedical AI](#) available for providers, researchers, and drug developers working to advance the standard of care. On the subject of AI within healthcare, Oracle released [Oracle Clinical Digital Assistant](#) for ambulatory clinics in the US. The mobile offering combines generative AI, clinical intelligence, multimodal voice and screen driven assistance, and simplified workflows into a single, unified solution that enables providers to give their full attention to the needs of their patients.

Network and Mobile News

In Network and Mobile News, Ciena announced it is joining Digicel Fiji and Southern Cross to provide [schools in Fiji](#) with high-speed internet access of at least 10 Mbps via the Digicel Fiji network. Nokia and Global Fiber Peru have deployed a new subaquatic and future-proof Optical, IP, and fiber broadband network in the [Amazon rainforest](#), helping to reduce the digital divide. The extensive network connects over 400 communities to multi-gigabit broadband access that is critical in today's digital economy. MetTel was awarded a position on the next generation [U.S. Department of Defense contract](#) for wireless services, Navy Spiral 4. This is an indefinite-delivery/indefinite-quantity contract worth up to \$2.67 billion over 10 years with all options exercised. Integra Optics announced the launch of its SFP+, 10/2.5 G BiDi, 20km, XGSPON OLT transceiver. This [cutting-edge optical transceiver module](#) is designed to cater to XG/XGS-PON 10/2.5 G applications, offering unparalleled performance over a single strand of fiber with support for links up to 20 kilometers.

Archtop Fiber will construct a 100 percent fiber Internet network in the City of Hudson. Archtop Fiber will deliver the [fastest, most reliable, and environmentally friendly Internet service](#) over a new, world-class XGS-PON fiber network throughout the Hudson area. Deutsche Telekom has successfully trialed 5G frequencies in the millimeter wave range at 26 gigahertz for the [first time with industrial use cases](#) and is now offering them commercially to industrial customers. Adtran's two new optical cesium atomic clocks have set new standards in network time synchronization: the OSA 3300 Super High-Performance and the OSA 3350 Super Enhanced Primary Reference Clock+. As part of Adtran's [Oscilloquartz portfolio](#) of industry-first optical cesium clocks, the devices leverage unique, state-of-the-art optical pumping technology to meet evolving demands across applications from scientific research to critical PNT infrastructure. Taylor Swift's record breaking Eras tour can add another achievement to its many accolades with a new high for [data consumption](#) on Vodafone Portugal's network. Three UK has hit a new milestone in its [network sustainability](#) journey thanks to the deployment of next-generation AI-powered hardware and software solutions from Ericsson. Cisco formed a partnership with the [LA28 Olympic and Paralympic Games](#) and Team USA to be the Official Network Equipment Partner. ZTE partnered with Beeline Kazakhstan to complete the modernization of

the Beeline's network in the Akmola and Turkestan regions, which lead in **traffic consumption** and cover 25 percent of the population of Kazakhstan.

Security & Assurance News

In Security & Assurance News, Sophos released its report, "Operation Crimson Palace: Threat Hunting Unveils Multiple Clusters of Chinese State-Sponsored Activity Targeting Southeast Asia," which details a highly sophisticated, nearly two-year long **espionage campaign** against a high-level government target. Nokia released an expanded set of Distributed Denial of Service mitigation capabilities of its **Defender Mitigation System** through advanced DDoS countermeasures. Microsoft formed a new **cybersecurity program** to support hospitals serving more than 60 million people living in rural America. (In 2023, the health care sector reported more ransomware attacks than any other critical infrastructure sector, and attacks involving ransomware against the healthcare sector were up nearly 130 percent.) Radware has enhanced its API Protection solution with a new AI-driven, auto-learning protection engine designed to immediately detect and mitigate **business logic attacks**.

Fortinet released the findings from its global **2024 State of Operational Technology and Cybersecurity Report**. The results represent the current state of operational technology security and highlight opportunities for continued improvement for organizations to secure an ever-expanding IT/OT threat landscape. CrowdStrike has set a new speed benchmark for cybersecurity threat detection, identifying and alerting on a sophisticated **eCrime adversary attack** in just four minutes during the closed-book MITRE Engenuity's ATT&CK Evaluations: Managed Services-Round 2. Interlock announced a Web3, incentivized crowdsourced **internet security community** that aims to make the internet safer for everyone, from individuals to global enterprises. Today the company also announced the worldwide general availability of its flagship product ThreatSlayer, a Web3 security browser extension that harnesses the power of blockchain, AI, and a global community of users to revolutionize internet security.

Cloud News

In Cloud News, Cloudflare acquired BastionZero, a Zero Trust infrastructure access platform, to further strengthen **remote access to core IT systems** for customers of Cloudflare One, the company's secure access service edge platform. ServiceNow shared plans for a **ServiceNow UAE Cloud**, hosted on Microsoft Azure. The company confirmed that the active build of the cloud region is underway, with a targeted delivery window in the first half of 2025. Oracle and Google Cloud have **formed a partnership** that gives customers the choice to combine Oracle Cloud Infrastructure and Google Cloud technologies to help accelerate their application migrations and modernization. MAHLE Group has chosen the **RISE with SAP solution** to move to the cloud. By choosing SAP S/4HANA Cloud, MAHLE Group, a global automotive supplier and leading international development partner to the automotive industry, will move its entire on-premise SAP landscape to the cloud.

AT&T Mexico has completed a major cloud transformation of its **Amdocs Customer Experience Suite** to an Oracle Cloud Infrastructure. By placing its Amdocs systems on OCI, AT&T Mexico will benefit from flexibility and capacity growth, reduced operational costs, and state-of-the-art cloud infrastructure that will allow AT&T Mexico to continue implementing its unique vision in the Mexican marketplace, providing superior services and customer experience.

Market News

In Market News, T-Mobile has agreed to acquire substantially all of UScellular's wireless operations. This includes UScellular's **wireless customers and stores**, as well as certain specified spectrum assets. ServiceNow made a strategic growth investment in inMorphis, a global IT company and leading pure play ServiceNow partner. inMorphis will primarily use the investment to extend **ServiceNow's presence in India and the ASEAN region** through development of new generative AI offerings, solutions, and digital skills training with an eye toward future global growth. Hitachi and Microsoft formed a projected **multibillion-dollar collaboration** that over the next three years will accelerate social innovation with generative AI.

Comarch has begun implementing its **Comarch Loyalty Management platform** for Azerbaijan Airlines,

the national carrier of Azerbaijan. With this implementation, travelers will benefit from the innovative AZAL Miles loyalty program by earning points and redeeming them for desirable rewards. Gilat Satellite Networks has signed a **definitive agreement** to acquire Stellar Blu Solutions, which will become a core component of Gilat's IFC growth strategy. CrowdStrike will be added to the S&P 500 Index, making CrowdStrike the **fastest cybersecurity company** to attain this achievement. Nokia has entered into a put option to sell **Alcatel Submarine Networks**, a leading submarine networks business, to the French State, represented by the Agence des participations de l'Etat, subject to informing and consulting with the relevant employee representatives at ASN and Nokia. Nokia will retain a 20 percent shareholding with board representation to ensure a smooth transition until a targeted exit, at which point the French State would acquire Nokia's remaining interest.

Fortinet has entered into a definitive agreement to **acquire Lacework**, the data-driven cloud security company. Vodafone Group has **completed the sale** of Vodafone Holdings Europe, S.L.U. to Zegona Communications plc. Juniper Research's new study found global operator revenue from telecommunications APIs will grow substantially, from **\$50 billion in 2024 to more than \$111 billion by 2027**. Telecommunications APIs provide operators with a tool to integrate their network capabilities and services into a single application; offering a channel to monetize their 5G networks.