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# Enterprise IT & Telecom Technology News

By: [Pipeline Magazine](#)

The first quarter of 2026 has delivered a surge of strategic announcements from across the global telecom, networking, AI, security, cloud, IoT, and customer experience sectors.

Operators and vendors are accelerating investments in high-capacity infrastructure to support exploding AI workloads, expanding 5G and 5G-Advanced coverage, integrating satellite technologies for universal connectivity, embedding AI intelligence directly into networks for greater automation and efficiency, and strengthening security and cloud platforms to enable the rise of agentic AI systems.



These moves collectively signal a maturing industry focused on scalability, resilience, sustainability, and new monetization opportunities while addressing real-world challenges such as energy efficiency, dynamic traffic management, and seamless hybrid network operations.

## 5G, Mobile and Network News

[RAD](#) launched the ETX 2i 400G Ethernet demarcation and aggregation device for data center interconnect and high-capacity enterprise services. The platform features multiple 400 Gb/s QSFP-DD interfaces, hierarchical QoS, MACsec encryption, and crypto-agile support for QKD and PQC, enabling CSPs to deliver SLA-backed, low-latency services that prevent GPU resources from idling during massive AI data transfers. Complementing this, [Adtran](#) introduced the LiteWave800 ultra-low-power 800G DR8 linear pluggable optics module optimized for intra-data center AI/ML workloads with exceptional energy efficiency at 1pJ/bit, while also playing a key role in the OIF's multi-vendor interoperability demo at OFC 2026 for open optical networks.

[XLSMART](#) and [ZTE](#) deployed Indonesia's first nationwide 5G blanket coverage network with over 20,000 MOCN sites rolled out in just eight months, earning Ookla certification as the fastest 5G network in the country for H2 2025 with peak speeds approaching 769 Mbps and broad performance uplift across urban and rural areas. [Nokia](#) expanded its partnership with TIM Brasil to modernize the 5G network across additional states, now covering approximately 42% of the population through deployments in Belo Horizonte, Brasília, Goiânia, Manaus, Belém, São Luís, and others. The project incorporates AI-enabled tools such as MantaRay SON, AirScale baseband, Habrok Massive MIMO radios, and NVIDIA AI-RAN platforms to enhance performance, reduce energy consumption, and prepare infrastructure for AI-driven enterprise services. [Bell](#) introduced 5G+ Advanced, leveraging new spectrum and a standalone 5G core to deliver peak speeds up to 4.3 Gbps and lower latency, initially in the Greater Toronto and Hamilton Area with rapid expansion to Niagara and beyond for noticeably improved smartphone experiences.

[Far EasTone](#) entered a three-year strategic partnership with [Ericsson](#) to modernize its network with high-performing programmable RAN and Core solutions, accelerating the transition to 5G Advanced while building a scalable 6G-ready architecture. [DOCOMO](#) and [NEC](#) launched Japan's first commercial 5G core on AWS, utilizing Agentic AI for dynamic capacity expansion during traffic surges and GitOps automation that reduces construction time by about 80%. [Ericsson](#) signed a multi-year framework agreement with SoftBank to deploy next-generation core solutions and accelerate 5G Standalone adoption in Japan.

Satellite-terrestrial convergence advanced significantly as [Deutsche Telekom](#) partnered with Starlink to close European whitespots in challenging topography or conservation areas, with commercial services planned for 2028 on standard smartphones. [Orange](#) signed an MoU with AST SpaceMobile for Direct-to-Device technology to complement terrestrial coverage in remote regions, and [TELUS](#) formalized a commercial agreement with AST SpaceMobile including ground infrastructure investment and equity stake for Canadian space-based cellular broadband starting late 2026. [Vodafone](#) and Amazon Leo agreed to connect additional remote 4G and 5G sites across Europe and Africa for improved coverage in limited-connectivity areas.

[Nokia](#) launched Aurelis, a PON-based out-of-band management solution for data centers that slashes active switches by 90% while delivering major power and space savings for AI/cloud providers. [Nokia](#) also released application-optimized optical networking innovations designed for the unprecedented scale and diversity of AI-driven traffic, promising up to 70% lower TCO and 40x more services in the same footprint. AI-native RAN enhancements included [Optus](#) and [Ericsson](#) trialing dynamic link adaptation that boosts 5G downlink performance in weak-signal environments by over 20% without extra hardware or spectrum.

[DOCOMO](#) and [VIAVI](#) demonstrated AI-driven 6G RAN control using digital twins for up to 20% throughput gains through reduced overhead, and [Keysight](#) showcased ML-based CSI compression with Qualcomm achieving more than 40% downlink improvement in four-layer MIMO operation. [T-Mobile](#) and [Qualcomm](#) deepened efforts to transition from 5G Advanced to 6G with commercial targets beginning in 2029. [ZTE](#) and [China Telecom](#) unveiled the Differentiation-driven Generative Network (DGN), an AI-powered 5G-

Advanced solution ensuring differentiated connectivity for consumer and industrial users to support multi-modal AI services. [ZTE](#) debuted its next-generation Fixed Wireless Access lineup featuring AI optimizations, Wi-Fi 8, and 5G Advanced technologies under its “5G for All” strategy, while [Turkcell](#) collaborated with [ZTE](#) to integrate next-gen 5G and Wi-Fi 7 FWA into its Superbox ecosystem.

[MTN Group](#) and [Huawei](#) signed a 2026 Strategic MoU targeting AI-driven intelligent networks, digital inclusion, home broadband, and Autonomous Networks Level 4 to drive Africa’s transformation. [Ericsson](#) signed an MoU with Econet Wireless Zimbabwe at MWC 2026 for AI, 5G Advanced, and enhanced security services, and [Ericsson](#) powered a world-first emergency service location positioning trial with Optus and FrontierSI on a live 5G Standalone network for better situational awareness in search and rescue.

Test and measurement initiatives featured [Spirent launching SimXTRACT](#) for field-to-lab PNT realism, [Rohde & Schwarz validating Wi-Fi 8 with Qualcomm](#) and collaborating with NETGEAR, [Keysight advancing massive MIMO digital twins with Qualcomm](#), [VIAVI introducing true-phase DAS with embedded AI](#) for real-time event classification, [Anritsu launching multicore fiber evaluation](#), and [Keysight releasing FITS-8CH](#) for interconnect validation.

Satellite and LEO developments included [Gilat securing U.S. Army orders](#), [Gilat also demonstrating virtualized SATCOM](#) with AWS, SES, and WAVE, NEC completing satellite tech demo equipment, [Contrivian launching unified multi-constellation LEO service](#), and [Spire launching ten satellites](#).

Geographic network expansion and modernization efforts included [Conecta Infra launching neutral optical infrastructure in South America](#), [LTT signing an MoU with ZTE for Libya modernization](#), and Vodafone opening a Luxembourg logistics hub. Subsea cable capacity upgrades included [TIME dotcom deploying Ciena on the FASTER transpacific cable](#) and [Lightstorm quadrupling JGA cable capacity with Ciena](#). Adtran supported Jackson County REMC in transforming broadband across southern Indiana to close the digital divide for homes, businesses, and farms.

Partnerships, collaborations, ecosystem, and deal announcements included Shabodi supporting GMS Network API aggregation, [Alkira launching its Connect Partner Program](#), Antevia Networks partnering with Benetel for O-RAN outdoor coverage, [Ericsson expanding North American private 5G](#) with Future Technologies, PBS Cellular selecting Qvantel for HBCU services, [Amdocs launching eSIM Traveler](#) for roaming monetization, [Connectbase collaborating with Converge in Southeast Asia](#), [DE-CIX taking a majority stake in BIX.BG](#), Cerillion achieving TM Forum Diamond-level API conformance, [MetTel aiding POTS transformation](#), [Visa joining Canton Network as Super Validator](#), and [Rakuten extending its Netcracker BSS partnership](#).

Wireless network technologies and intelligent systems news included [RANsemi powering mission-critical 5G tactical systems](#), [Spirent releasing Landslide M6](#) for complex 5G SA validation, [ZTE launching the Livebox 7 smart home terminal](#) with Orange Morocco, [ZTE also unveiling the Telco Service Agent](#) for intent-driven intelligent networking, [HP introducing NearSense](#) for effortless cross-device connectivity, and [SAP collaborating with](#)

[UnternehmerTUM on the SafetyGuard AI-robotics prototype](#) for workplace hazard detection.

## Artificial Intelligence (AI) & Automation News

[NVIDIA](#) joined global telecom leaders in pledging AI-native open platforms for 6G, while [Nokia](#) launched Doksuri Remote Radio Heads engineered for AI-era performance and sustainability, and [Nokia](#) collaborated with Telia to co-create AI-RAN use cases. [Amdocs](#) partnered with Google Cloud and [Amdocs](#) with AWS on agentic AI for telco contact centers and modernization, and [ServiceNow](#) announced autonomous roaming resolution with NTT DOCOMO and StarHub. [IBM announced it acquired Confluent](#) to create a smart data platform delivering real-time trusted data for AI models and agents across hybrid clouds.

[Mavenir](#) teamed with Turkcell for AI-enabled voice and messaging, [ZTE](#) showcased AI immersive communication prototypes in the U6G band, and [ZTE](#) unveiled the world's first embodied intelligent guide robot for sustained operation in dense crowds. [ABB Robotics](#) partnered with [NVIDIA](#) to bring industrial-grade physical AI to factory floors, [NEC](#) developed physical AI that anticipates human movement and stress levels, and [NVIDIA](#) worked with T-Mobile, Nokia, and developers to integrate physical AI over distributed edge networks.

[NVIDIA](#) launched Vera Rubin with seven chips in production for massive AI factories supporting pretraining to agentic inference, introduced BlueField-4 STX for long-context storage, unveiled the Vera CPU with twice the efficiency of traditional CPUs for reinforcement learning, released Nemotron 3 Super as a 120B-parameter open model for complex agentic systems, expanded open model families for agentic/physical/healthcare AI, announced the Nemotron Coalition for frontier open models, introduced the NemoClaw stack for trustworthy autonomous agents, and revealed the open Physical AI Data Factory Blueprint along with Isaac and GR00T models for robotics ecosystems. [Dell made not one, but two announcements](#) related to developing advanced AI data platforms with NVIDIA, demonstrating up to 2.6x ROI for early adopters through end-to-end infrastructure.

[CoreWeave](#) introduced Flexible Capacity Plans including Flex Reservations and Spot for dynamic AI workloads and was later selected by Zonos to power AI-driven duty/tax systems with reduced latency. [HPE](#) unveiled next-generation AI Factory innovations focused on efficient large-scale deployments, and [Bell](#) expanded its AI Fabric with a 300 MW data center in Saskatchewan while partnering with BUZZ HPC for sovereign accelerated GPU infrastructure in British Columbia.

[CrowdStrike](#) unveiled a Secure-by-Design AI Blueprint with NVIDIA and accelerated agentic MDR using the NVIDIA Agent Toolkit, while [Palo Alto Networks](#) expanded its security ecosystem for sovereign AI and the autonomous edge. [Oracle](#) introduced Fusion Agentic Applications as outcome-driven teams of specialized AI agents, [SAP](#) launched next-gen Ariba for AI-era source-to-pay, and [Amdocs](#) was selected by Smart for the Store Genie agentic AI retail solution running on its Cognitive Core.

[TELUS](#) launched the world's first smart home AI assistant with Generative UI that dynamically creates personalized interfaces from voice, images, and sensor data. [Adobe](#) announced a strategic partnership with NVIDIA to accelerate AI-powered creation, production, and personalization including next-generation Firefly models.

[NVIDIA](#) collaborated with industrial software leaders and manufacturers to integrate CUDA X, Omniverse, and GPU-accelerated tools into design, engineering, and manufacturing workflows.

Further AI momentum included [Seeq](#) announcing Seeq Intelligence for operational decision-making, [Amdocs](#) collaborating with Stanford on AI tool integration in software engineering, [Amdocs](#) releasing its global study on AI Agent Personality Engineering, [Snowflake](#) revealing interoperability needs for AI in healthcare and later publishing ROI research on Gen AI and agents across 10 countries, [NTT DATA](#) unveiling full-stack NVIDIA-powered enterprise AI factories, [TwinThread](#) launching Perfect Batch for golden-batch manufacturing optimization, [3E](#) introducing an AI platform for product compliance with agentic-ready data, and [Zapier](#) providing inline AI Guardrails to detect PII, prompt injection, and toxic content.

[ServiceNow](#) delivered trusted AI solutions for government mission outcomes, [Cohesity](#) partnered with ServiceNow for agent resilience and data safeguarding, [Adecco Group](#) scaled human-centric agentic AI with Agentforce, [Tata Communications](#) unveiled IZO self-healing dynamic connectivity for AI-driven distributed data centers, [Accenture](#) launched Cyber.AI with Anthropic's Claude for continuous AI-driven security, [ElevenLabs](#) partnered with IBM to add premium voice to watsonx Orchestrate for richer agentic experiences, [Noxtua](#) entered Deutsche Telekom's AI factory with sovereign Legal AI, and [SAP](#) agreed to acquire Reltio to make enterprise master data AI-ready.

[Keysight](#) advanced AI-driven uplink optimization with MediaTek, [Keysight](#) debuted its 1.6T Ethernet AI workload emulation platform, and [Keysight](#) launched AI Inference Builder for validating inference-optimized infrastructure. [Grameenphone](#) signed an MoU with ZTE on LLM and Agentic AI for autonomous networks in Bangladesh, and [DOCOMO](#) and SK Telecom published a white paper on vRAN evolution toward AI-RAN.

[HP](#) demonstrated an intelligent device ecosystem with on-device HP IQ intelligence and proximity-based connectivity for productivity, [NVIDIA](#) joined energy firms to create flexible grid-connected AI factories that generate tokens while supporting grid stability, [Carahsoft](#) broadened ServiceNow AI Platform availability in the public sector, [Oracle](#) released Java 26 with enhanced AI and cryptography integration, and [Hyundai Motor](#), Kia, and [NVIDIA](#) expanded DRIVE Hyperion adoption for next-generation autonomous driving alongside other major car brands.

## Security & Assurance News

[Fortinet](#) introduced FortiOS 8.0 with AI-driven security, next-gen SASE, and quantum-safe features to simplify architectures while maintaining consistent protection, and further advanced its Security Operations Platform with expanded agentic AI and FortiSOC preview. [CrowdStrike](#) established the endpoint as the epicenter for AI security with new

Falcon capabilities, launched the Charlotte AI AgentWorks Ecosystem with multiple partners including NVIDIA and Accenture, and expanded collaborations with IBM on agentic SOC transformation.

[Palo Alto Networks](#) expanded its ecosystem for sovereign AI, introduced a secure browser and Prisma AIRS 3.0 for the Agentic AI lifecycle, and launched Next-Generation Trust Security to automate certificate management and eliminate outages. [HP](#) released TPM Guard to prevent physical TPM bus attacks on business notebooks and enhanced its Wolf Security portfolio with quantum resistance. [Dell Technologies](#) added quantum and AI risk protections to its cybersecurity offerings.

[Cloudflare](#) published its 2026 threat report highlighting shifts in cyberattacks, and [HP](#) released threat insights noting efficient AI-assisted attacks. [CrowdStrike](#) partnered with Schwarz Digits for sovereign cloud security in Europe, [CrowdStrike](#) integrated Falcon with Perplexity's AI browser, and [Singtel](#) partnered with Cohesity for intelligent AI data security. [EY](#) selected CrowdStrike for agentic SOC services, [CrowdStrike](#) achieved FedRAMP High for XIoT protection, and [CrowdStrike](#) expanded GovCloud capabilities.

[Keysight](#) launched SBOM Manager to meet software transparency regulations, [Cisco](#) reimagined security for agentic workforces, [ThreatDown](#) uncovered the first Deno JavaScript runtime attack, and [Bell Cyber](#) launched managed cybersecurity for Canadian SMEs. [VIAVI](#) introduced Observer Threat Forensics for converged NetSecOps, and [Akamai](#) transformed Zero Trust with AI-powered policy generation.

[Palo Alto Networks](#) introduced Prisma Browser for Business as a secure workspace for small businesses, and [HPE](#) introduced security advancements to support distributed AI adoption and governance.

## Cloud News

[Ericsson](#) demonstrated Cloud RAN on NVIDIA infrastructure with T-Mobile, while [NVIDIA](#) partnered with Nebius for hyperscale AI cloud and [CrowdStrike](#) extended Falcon security to Nebius AI Cloud.

[CoreWeave](#) advanced its AI-native cloud platform with NVIDIA HGX B300 and new developer tools. [Vodafone](#) extended its Amdocs collaboration for autonomous operations in Germany, and [Oracle](#) added Smart Assistant to its cloud POS system.

[SAP](#) transformed its services portfolio with a new tiered model, and [SAP](#) announced FPS01 with advanced AI innovations. [Calix](#) supported MDU growth via its One Platform, [VIAVI](#) launched the TestCenter D2 1.6T appliance, and [NetActuate](#) introduced an expanded cloud services suite.

[ZTE](#) and Whale Cloud showcased digital transformation solutions, and [Ericsson](#) partnered with VNPT for airport infrastructure in Vietnam. [Huawei](#) proposed the MBB Service Intelligence concept, and [Orange Business](#) entered negotiations with Tech Mahindra for a global AI-powered partnership. [Bell](#) won a major federal contact centre modernization contract powered by Genesys.

## IoT and Innovation News

In IoT News, [AT&T](#) led IoT collaboration with Cisco and NVIDIA for edge AI and zero-trust security. [DOCOMO](#) unveiled a haptic-sharing system for immersive fan experiences, and [INCE](#) combined cellular with LoRaWAN via Netmore. Automotive IoT progressed with [Giesecke+Devrient](#), Rivian, and [AT&T](#) integrating GSMA SGP.32 eSIM and 5G connectivity into the R2 vehicle, enabling seamless operator switching without hardware changes.

In innovation news, [NVIDIA](#) launched platforms for space computing and orbital AI, while Quantum continued to make headlines. [Arqit](#) and [RAD](#) announcing a quantum-safe encryption collaboration for telco services. [IBM](#) created a novel molecule with unique electron behavior, and released a [quantum-centric supercomputing blueprint](#) demonstrating accurate simulation of magnetic materials. [IonQ](#) earned ISO 14001 certification and established partnerships with Cambridge, ARLIS, Qollab, and KISTI for quantum research and commercialization. [Quantinuum](#) expanded to Singapore with plans to deploy Helios, and [Zero Point Cryogenics](#) joined Rigetti's partner program. [D-Wave](#) prepared scientific presentations at the APS Summit, and [NTT DATA](#) launched its GCC Innovation Acceleration Program.

## CX/DX News

[Infovista](#) unveiled VistaOne, an open AI-enabled platform combining network and customer experience intelligence. [Amdocs](#) unveiled CES26 as an agent-driven BSS-OSS-Network suite within aOS to simplify operations and advance autonomous networks. [Snapchat](#) and Alter Agents released research on social media's role in Gen Z and Millennial telecom decisions.

## The Intelligence Edge: Orchestrating the Autonomous Network Era

The global telecommunications landscape in early 2026 is defined by a rapid transition from simple connectivity to a sophisticated, AI-native ecosystem designed to support massive workloads. This month's developments highlight a surge in high-capacity infrastructure, with the debut of 400G and 800G solutions specifically engineered to keep GPU resources active during intense AI data transfers. From Indonesia's nationwide 5G blanket coverage to Japan's first commercial 5G core on AWS, operators are prioritizing programmable RAN and standalone 5G cores to create a scalable, 6G-ready architecture. Simultaneously, the integration of satellite-terrestrial technologies is closing coverage gaps, ensuring that high-speed cellular broadband reaches even the most remote regions.

Beyond raw speed, the industry is pivoting toward autonomous resilience and "physical AI" that anticipates human movement and industrial needs. New AI-driven control systems and digital twins are delivering throughput gains of up to 20%, while automated workflows are slashing network construction times by 80%. This shift is supported by a new generation of security protocols, including quantum-safe encryption and secure-by-design AI blueprints, to protect the emerging agentic workforce. As agentic AI begins to manage telco contact centers and smart home interfaces, the overarching focus remains on

achieving lower total cost of ownership through energy-efficient, intent-driven intelligent networking.

In summary, the news this month reflects a maturing industry where AI is no longer an add-on but the core engine of innovation. The convergence of 5G-Advanced, high-density optical networking, and sovereign AI platforms is enabling a new class of "agentic" applications that redefine how enterprises and consumers interact with the digital world. With significant advancements in satellite-to-device connectivity and quantum-resistant security, the sector is successfully addressing the dual challenges of universal access and infrastructure sustainability.

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