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## Telecom Industry News

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In a year—18 months, if we're being honest—in which the network has been the thing connecting us all, we're turning an especially keen focus to network news this month. From fiber rollouts to 5G deployments to network innovation, automation, and resiliency, this issue focuses on everything that connects us, from the technical to the cutting-edge to the actual edge. This extends to advances in interoperability among space and ground system networks, in-car connectivity, and much more.

The top telecom industry news stories from the month are summarized below. To view all the news as it breaks, check out *Pipeline's* [News Center](#) or [subscribe](#) to receive our telecom industry news summary.



### Network Evolution News

In fiber network news, [ADTRAN and ADVA](#) are merging to create a leading global, scaled provider of end-to-end fiber networking solutions for communications service provider, enterprise and government customers. [Kinetic](#) announced plans to nearly double the number of fiber-eligible locations giving residents and businesses in North Carolina access to fast, reliable fiber. Dark fiber connectivity from [Bandwidth Infrastructure Group](#) is now available across connected data center campuses in Silicon Valley and Atlanta, two of the nation's top data center markets.

[Windstream](#) introduced new unlimited plans for cellular broadband, providing ideal primary or secondary network access connections for maximized uptime of mission-critical applications.

[OpenVault](#) is helping operators fulfill the mandates of the FCC's Emergency Broadband Benefit (EBB) program by supporting wider availability of high-speed Internet services through a turnkey initiative that simplifies program participation for operators.

[Nokia](#) announced it has broken new ground with Vodafone Turkey with a regional demonstration of a 1Tb/s (terabit per second) per channel coherent transmission over its live optical network. The companies proved a capacity increase of 150 percent over a single channel coherent transmission, and the ability to scale network capacity up to 70Tb/s per fiber.

## 5G News

According to new research from [5G Americas and Omdia](#), the world added 124 million 5G connections between Q1 and Q2 of 2021, increasing 41 percent from 305 million to 429 million. 5G remains on pace to triple the number of connections in 2020 and is forecast to reach 692 million globally by the end of the calendar year.

Rollouts, expansions, and partnerships in Asia dominated 5G news this month. [Ericsson](#) is bringing 5G to Indonesia with access to enhanced mobile broadband and products and solutions to accelerate Jakarta's digital transformation toward a smart city. Also in Indonesia, [Nokia and Indosat Ooredoo](#) announced the launch of commercial 5G services to power enterprise and industrial use cases. In Singapore, [Singtel](#) launched new 5G standalone use cases in its effort to translate its new 5G strategic blueprint into action.

In Europe, [Orange is partnering with Amdocs](#) on the business support systems for the continent's first 5G standalone experimental cloud network, launched in July in France. [Deutsche Telekom](#) is building a research campus focused on industrial solutions based on 5G ultra-fast mobile communications; the campus, called the Future Factory Hub, will be in Berlin. In Africa, [MTN has selected Nokia](#) to drive voice core evolution and network modernization for 5G infrastructure.

In 5G innovation news, [Versa Networks](#) has launched the industry's first 5G-native products for the wide area network edge delivering complete SASE integration and SASE services to the network edge. [Viavi Solutions is working with Capgemini Engineering](#) in Portugal toward an industry-leading 5G and O-RAN lab test capability, powered by VIAVI's O-RAN Lab as a Service (LaaS). [Celona](#) has introduced the first enterprise-focused implementation of the O-RAN Alliance Open Radio Access Networks specifications that allow for the virtualization of 5G radio access network software within private mobile networks. In connected car news, the [BMW Group and Deutsche Telekom](#) are working together to bring to market the first premium vehicle with 5G, the BMW iX.

## Leaderboard and Innovation News

In technology innovation news, Triton Digital announced it will launch the [Triton Audio Marketplace](#), a new global open audio exchange that will aggregate audiences at scale across three exploding audio segments: broadcast, podcast, and streaming, making it easier than ever

for marketers and agencies to plan, buy and measure the impact of cross-platform audio advertising. [Vimeo](#) announced a first-to-market launch with Dolby, to enable hosting, sharing, and playback of videos created in Dolby Vision on Apple devices with the same professional-quality video technology many top storytellers use. In other technology news, [Webscale](#)—a cloud platform for modern commerce—announced a new strategic partnership with Shopware AG, an ecommerce system used by some of the largest European brands, retailers, and manufacturers across both B2C and B2B industries. The agreement makes Webscale the first cloud delivery engine for Shopware deployments in North America.

Other technology headlines included an announcement that [Northrop Grumman and Martin UAV](#) have completed successful flight testing of a V-BAT unmanned aircraft system with new features including GPS-denied navigation and target designation capabilities. Leading companies and organizations in the space industry, including two major branches of the U.S. Department of Defense, have come together to form the [Digital IF Interoperability Consortium](#), a nonprofit industry group created to advance interoperability among space and ground system networks. [Seoul Robotics](#) introduced a new version of its 3D perception software that can detect objects that are partially obstructed, fast-moving, or clustered together, in addition to providing classification of bicycles, vehicles, and pedestrians. And [Arthur](#) has introduced the Professional Edition of its VR office space, a platform that offers companies infinite virtual real estate to replicate a physical office while increasing productivity and company culture. The platform has been used by Fortune 500 companies for more than 25,000 hours in 2021, utilizing VR's immersive nature amid the pandemic and beyond.

## AI & Analytics News

AI technology news included product launches and breakthroughs in innovation. [BigBear.ai](#) announced a partnership with Virgin Orbit, a responsive launch and space solutions company. BigBear.ai will support and enhance Virgin Orbit's rapid launch capability with equally agile AI-powered insights into space-based data for US government, international defense, and commercial clients. Usher has unveiled its new [Usher AI Lab](#), a research group dedicated to tackling some of the most pressing issues in natural language processing, document processing and no-code conversational intelligence. And [Vic.ai](#) has secured Series B funding to spur adoption of its pioneering AI platform for real-time, autonomous accounting and financial intelligence.

The Transaction Processing Performance Council announced the immediate availability of [TPCx-AI](#), the first industry-standard, vendor-neutral benchmark for measuring real-world, end-to-end AI and ML scenarios and data science use cases.

In analytics technology news, Nexstar Digital has debuted [STELLAR](#), a data-driven audience platform that gives advertisers the ability to seamlessly purchase digital and linear advertising across a network of TV stations, web sites, and news and weather mobile apps.

[ALTR](#) has introduced a new usage analytics heatmap. Updates include new automated data usage visualizations, unlimited intelligence, data governance, and integration into a partner connect portal.

## Security News

In security news, a new report from [Kaspersky](#) reveals that cybersecurity incidents are a significant stressor for nearly 70 percent of consumers. The research explores how the last 19 months have affected stress, consumer confidence, and knowledge of cybersecurity in North America. New products and partnerships dominated the headlines this month. [Nozomi Networks and Tripwire](#) have forged a partnership to help organizations lower cyber risk with consistent security controls that span their IT, OT and IoT environments.

Work-from-home security remains a top concern. [Fortinet and Linksys](#) announced a new joint solution to enable enterprise organizations to support and secure work-from-home networks. It delivers secure network connectivity for both corporate and personal needs in one unit optimized for business applications and collaboration tools, including Zoom. [Palo Alto Networks](#) has unveiled Okyo Garde, an enterprise-grade cybersecurity solution delivered through a premium mesh-enabled Wi-Fi 6 system, addressing the risks of a world in which the workplace is as likely to be a kitchen table or spare bedroom as an office cubicle. Okyo Garde combines hardware, software, and security services into one seamless, simple subscription.

Managed security service provider [Netsurion](#) is further expanding into the European market to prevent, detect and respond to active threats, and predict future attacks. [ADVA](#) is leading the AI-NET-PROTECT project, a consortium of European industry and research partners driving automated resilience and security in private networks and critical infrastructure. The project will address urgent challenges, including the threat of quantum computing to break the encryption that businesses and governments currently rely on to ensure data confidentiality and availability.

In Asia, Total Information Management Corporation announced a strategic partnership with [Nexusguard](#) to build the first true-hybrid DDoS scrubbing center in the Philippines, providing carrier grade DDoS protection services to enterprises and government agencies.

## IoT News

To boost performance for IoT applications across the US, [AT&T and Cisco](#) have introduced new 5G network capabilities. These include lower latency and faster speeds for enterprise customer IoT deployments on 5G devices; near real-time visibility; security risk mitigation; and identification of anomalies in data usage.

Connected homes in Quebec are getting a boost from a new partnership between [TELUS and Hilo](#). A pilot project launched in Québec City bundles TELUS' home automation and security technologies with Hilo's smart home solutions for more energy-efficient smart homes.

Together with [Orange Business Services, Lynk & Co.](#) has launched an “always connected” car using IoT network and infrastructure to deliver connected services to drivers.

[OmniMetrix](#), which provides IoT remote monitoring and control for power generators, gas pipelines, air compressors and other industrial equipment, has teamed up with Power Solutions Specialist to provide remote monitoring and controls for thousands of backup generators for the next year.

[Senet](#) announced new services and network coverage plans to deliver broader access to low-power wide area network (LP-WAN) coverage for IoT applications across the United States.

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