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Telecom Industry News

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Pipeline's technology industry news column this month should be titled “innovation industry news.” This month's headlines, summarized below, represent a broad swath of the stories and initiatives shaping our present and future. [Pipeline's News Center](#) burgeoned with the stirrings of technical innovation across the industry, from new survey research that reveals what's next for retail shopping experiences; to new developments in cybersecurity and IoT security; to the first successful test handover of a connected car between two US 5G networks.



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 *Pipeline's* weekly technology news summary.

Innovation News

In leaderboard and innovation news, Ericsson has launched [Startup 5G](#), a program designed to help communications service providers to capture the consumer potential of 5G. Three Ireland is the first CSP to join the global initiative. [AT&T](#) has been making headlines, announcing a definitive agreement to create a new, standalone global entertainment company combining the assets of WarnerMedia and Discovery. It also announced that a [new private AT&T network](#) will revolutionize the way patients and researchers connect to advance cancer research at the University of Southern California—part of a bevy of news headlines portending innovation in healthcare and telemedicine. In related news, [Juniper Research](#) released a new report on telemedicine, finding that it will save the healthcare industry \$21 billion in costs by 2025, up from \$11 billion in 2021.

These announcements signal key technology trends, as do recent survey and research results. According to survey data from IDC Research and Lumen Technologies, delivering seamless experiences online as well as on the sales floor is an imperative for retail business leaders. [Recent survey data](#) shows that 73 percent of retail business leaders are turning to edge computing as a strategic investment as they prepare to meet business where it is going. This makes sense in light of another [Juniper Research report](#), which finds that commerce spending will rise to over \$11.6 trillion by the end of 2021, from \$10.5 trillion last year, a growth of 11.5 percent in a single year, as the shift to digital channels accelerates.

In other innovation news, the [Federal Communications Commission](#) announced it has adopted new rules to bolster the U.S. commercial space industry's access to spectrum needed for successful rocket launches for private space travel and satellite launches. [Skyward](#), a Verizon company, announced its integration with Pix4D, giving customers the ability to turn drone data into 2D maps and 3D models. Enterprises and drone pilots can now plan flights, receive approval to fly in controlled airspace with LAANC, fly with Skyward's InFlight ground control station, and process data using Pix4D—all from within the platform. And [Climate & Capital Media and Science4Data](#) are partnering to introduce Climate Media Signal, the first public AI platform analyzing ESG and climate media trends using advanced data tools to support better decision-making.

Transformation news included an announcement from [Atos and DreamQuark](#) on the launch of the Sustainable Investment Brain, a digital platform for banks and insurers that is compliant with the principles of transparent artificial intelligence established in a new European proposal regulation. Also this month, [Atos](#) announced it has inaugurated its new global Research & Development Lab in France, dedicated to research in quantum computing, high-performance computing, edge, artificial intelligence and cybersecurity. In Europe, [Atos and the Institute of Information Science](#), Slovenia announced that the first EuroHPC supercomputer is now operational. In other innovative AI news, [Subex has introduced HyperSense](#), an end-to-end augmented analytics platform to help businesses make better decisions faster by leveraging AI across the data value chain.

In other news, [Juniper Research](#) released a study which predicted a surge in digital content as we become ever more connected. The total market value of digital content will reach \$432 billion by 2026, more than doubling from \$211 billion estimated in 2021, accelerating 105 percent over the next five years.

Security News

This month's security news had a decidedly innovative flavor. A new report from [VNC](#) laid out five key requirements for secure collaboration, born of lessons learned during the rapid increase in remote working over the last year. These keys can guide companies in providing secure, data-protection-compliant tools and platforms for remote work and collaboration.

[DE-CIX](#) has been granted a patent for its new “Blackholing Advanced” service. Blackholing Advanced revolutionizes the defense against Distributed Denial-of-Service attacks directly at Internet exchanges by using individual filtering mechanisms. In another announcement related to innovative security, Oracle is teaming up with the Trade Desk to participate in [Unified ID 2.0](#), a non-commercial, interoperable framework that offers marketers a new approach to consumer identity and privacy protection.

In government cybersecurity news, [AT&T](#) has launched a cost-effective unified cybersecurity solution designed to meet the security needs of federal, state and local government agencies.

[Cisco](#) announced its intent to acquire Kenna Security, a privately held cybersecurity company headquartered in California. With this acquisition, Cisco will attempt to transform the way security and IT teams collaborate to reduce the attack surface and the time it takes to detect and respond.

[NEC](#) announced the development of artificial intelligence (AI) technology that makes high-speed decisions while maintaining high accuracy in real-time analysis of time series data. This technology is expected to enable face recognition as well as cyberattack detection and analysis.

[Fortinet](#) announced continued progress in its NSE Training Institute, which is focusing on increasing access to training that develops cybersecurity career pathways and connects individuals to employers.

These advancements in security technologies are a good thing, as [Juniper Research](#) predicts that the value of losses due to ecommerce fraud will rise this year, from \$17.5 billion in 2020 to over \$20 billion by 2021, a growth of 18 percent over a single year. These findings were reaffirmed by a new State of the Internet Security Report from [Akamai](#) charting the increase in global and financial services-specific web application and credential-stuffing attack traffic from 2019 to 2021.

Network Evolution News

In network evolution news, the world’s first at-airport Wi-Fi 6 network using [OpenRoaming from the Wireless Broadband Alliance](#) is now up and running at Brazil’s Sao Paulo airport. Nokia has launched [Nokia Smart Node](#), an indoor mobile module solution to deliver high-quality 4G and 5G indoor mobile coverage for residential and enterprise use and announced additions to its [AirScale](#) small cells portfolio, also to enhance 5G indoor and outdoor coverage.

Data center news also made headlines this month. [Digital Fortress](#) unveiled its 100-megawatt Richmond, Virginia campus, a 100-acre addition to the rapidly growing area data center market. [Aqua Comms and Telia Carrier](#) have completed a first-of-its-kind trial with Ciena to offer 400GbE commercial services between New York and Frankfurt.

[Juniper Networks](#) announced that it has been selected to design and deploy a significant network capacity expansion and upgrade for Telecom Egypt across its national infrastructure. And, [Vodafone and Google Cloud](#) have embarked on a new, six-year strategic partnership to drive the use of reliable and secure data analytics, insights, and learning to inform new worldwide digital products and services.

5G News

[Delta Air Lines, AT&T Business, and Apple](#) are leading the commercial airline industry into the 5G era. Beginning soon, Delta will equip every flight attendant with an iPhone 12 for an enhanced travel experience for customers onboard.

In 5G trend news, a new report by [Ericsson ConsumerLab](#) highlights the impact that 5G is already having on smartphone users worldwide and what they expect the technology to deliver in the future. The survey captured opinions equivalent to 1.3 billion consumers, revealing increases in the use of cloud gaming and AR and decreases of 20 percent or more in Wi-Fi usage after upgrading. In other Ericsson news, the company is working with Telarus to target the SMB market in the United States with a [5G-ready virtual workspace service](#).

With the pressure to accelerate 5G on, [INCOMPAS and the Computer & Communications Industry Association](#) filed joint public comments urging the FCC to act quickly in modernizing its decades-old regulations, allowing for greater spectrum sharing in the 12 GHz band and thereby enhancing competition, consumer choice, and American 5G leadership. In other US-related 5G news, [AT&T and Cradlepoint](#) are expanding their joint network offerings to a comprehensive portfolio of 5G solutions in the US using AT&T Wireless Broadband.

In global 5G news, [Nokia](#) announced a deal with Net4Mobility, the joint venture between Swedish mobile operators, Tele2 and Telenor, to roll out commercial 5G services across significant areas of Sweden over the next five years. To continue to push 5G innovation, [Enea](#) announced that it has joined Telenor's initiative to create a diverse multi-vendor 5G standalone solution that includes proof of concept of a fully secure cloud-native 5G core for network slicing.

Telefonica has been busy signing agreements to provide or advance 5G. Its subsidiary Telefonica Tech has signed a collaboration agreement with [Microsoft](#) on Azure Private Edge Zone to provide private 5G connectivity and other services for demanding industrial use cases. Telefonica Spain has tapped [Nokia](#) to bring 5G and FTTH connectivity to more businesses and residences through upgrades to the operator's IP network.

In connected car news, [Ericsson and Volvo Cars](#) have carried out the first successful test handover of connected cars between two national mobile 5G networks, a key step in 5G use cases. [Honda and AT&T](#) have extended their connected-car relationship with an in-car Wi-Fi app to access content and entertainment while on the road.

In 5G public safety news, [Ericsson and Leonardo](#) are partnering explore and develop new 5G solutions and business models spanning industrial, public safety and critical infrastructure.

IoT News

In IoT news, a recent [IDC Research report](#) finds that manufacturing must also embrace edge computing to manage growing factory data and act on it within facilities. The pressure to advance connectivity is accelerating IoT performance and product development, apparent in news headlines this month. [Senet and SenRa Tech](#) are advancing their partnership to design, deploy and manage highly scalable LoRaWAN networks globally. In other IoT innovation news, [Seeg Corporation](#) has unveiled a new offering on Amazon Web Services to accelerate access to manufacturing data for enabling AWS analytics on industrial data. This month, [Verizon Business](#) has extended its Global Internet of Things connectivity service to connect enterprises with mobile assets in 170 countries worldwide.

Satellite News

Satellite news also had the flavor of innovation. [Northrup Grumman](#) landed a contract by Airbus Defence and Space for the design, development and production of 24 ship sets of solar arrays to support the OneSat satellite product line. The solar arrays will power the OneSat communication satellites in geosynchronous orbit. [Atos](#) has been selected by satellite operator Eutelsat to deliver an innovative satellite payload monitoring solution. [EKINOPS and IEC Telecom Group](#) have launched OneGate Compact, a portable plug-and-play solution that provides critical communications functions for both terrestrial and maritime applications.

[Gilat Satellite Networks](#) has been awarded \$3 million by a Tier 1 Latin American telco to provide broadband connectivity over satellite to support bridging the digital divide, especially for remote education.

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