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Technology Industry News

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Innovation: it's at the heart of everything *Pipeline* covers, from emerging use cases and new possibilities to advances in devices, services, connectivity and more. It's also this month's issue theme, and in this roundup of industry news headlines, we cover the new research insights, partnerships, use cases, and 5G and network developments that tell the story of how innovation is shaping the technology industry worldwide.

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.



Innovation news

New research on the state of innovation made headlines this month. A [new global study from Pegasystems](#) on the state of business complexity points to the need for innovation that reduces complexity and information overload. The report found that nearly three out of four employees (71 percent) feel their job complexity continues to rise as customer demands increase. Information overload makes it difficult to adapt to new challenges and meet changing customer needs.

The Telecom TV/DSP Leaders World Forum published its [Best Practices Framework for the Telecom Ecosystem](#). It addresses the need for significant innovation to generate new revenue streams, manage costs, deal with increasing complexity, and make networks more robust in the face of threats like cyberattacks and extreme weather.

New innovation labs were announced this month. Oracle opened the doors to its new 30,000-square-foot [Oracle Industry Lab](#) just outside of Chicago, Illinois. The working lab provides

customers a hands-on environment to develop new ideas and create solutions leveraging technology from Oracle and more than 30 industry partners. Amdocs announced the opening of its [Americas 5G Experience Lab](#) in Dallas, Texas. This lab will enable creative organizations serving a connected society to create innovative services leveraging the power of 5G networks.

Innovation partnerships were also announced. Six of the world's leading telecom companies announced the creation of [Alaian](#), an alliance to connect the open innovation ecosystems of these leading global telcos to reach 50 countries and 700 million customers. [Tupl and Google Cloud](#) announced they are partnering to bring innovative solutions to Google Cloud's customers around the world. [Itron and Microsoft](#) are expanding their long-term collaboration to accelerate cloud adoption and the next generation of consumer and grid edge solutions for the utility and smart cities industries. [Red Hat and General Motors](#) have come together to advance software-defined vehicles at the edge through expanding an ecosystem of innovation around the Red Hat In-Vehicle Operating System. Finally, [Solstar Space and Microsoft](#) are collaborating to make WiFi in space available to support sub-orbit, LEO, and cis-lunar and lunar surface operations.

In smart things news, [Airspar Networks and Guident](#) are working together to provide customers with connectivity and software solutions for autonomous vehicle and smart city use cases, using CBRS spectrum. [Hyundai is collaborating with Wind River](#) to accelerate the development of next-generation intelligent and connected vehicles. Amdocs will acquire [MYCOM OSI](#) as part of its strategy to enable a 5G-powered smart world.

5G and network news

In network news, a new [GSMA report](#) warns market imbalances between network operators and online services providers may put global growth prospects at risk across multiple sectors of the Internet-based economy.

The [Wireless Broadband Alliance](#) announced the publication of Wi-Fi Sensing - Deployment Guidelines, the latest in a series of deployment guidelines designed to help the industry, WBA members and a wide range of enterprises in different vertical industries understand the technology, its use cases, market opportunities and more.

In the United States, the [FCC](#) announced that it is ready to authorize \$200 million through the Rural Digital Opportunity Fund for new broadband deployments in 26 states and the Northern Mariana Islands, bringing service to over 230,000 locations.

Field trials news highlighted innovation in network evolution. [Teleste](#) participated in the first successful DOCSIS 4.0 Extended Spectrum DOCSIS amplifier cascade demonstration on a 1.8 GHz network that was recently completed at CableLabs' 10G Showcase in the US. [Zayo and Equinix](#) announced the successful completion of a 400 Gbps trial, connecting data centers in London and Paris on Zayo's subsea fiber network. The trial marks the latest joint innovation between the companies as they prepare for the growing need to move continually increasing volumes of data faster

than ever before. 5G use cases made headlines, too. [Nokia and the University of Technology Sydney](#) have launched the world's first private wireless and 5G connected digital microbrewery. It utilizes a cloud-based digital twin of an actual brewery to optimize the brewing process. In Turkey, [Turkcell and Ericsson](#) have successfully performed the first industrial use case demonstration of Autonomous Mobile Robot Safe Crossing.

VIAVI released new industry data in its [The State of 5G Report](#) that tallies the number of cities globally with 5G networks—1,947. Despite the pandemic, 5G cities came online at a rate of nearly two per day, with the addition of 635 new 5G cities in 2021.

To continue to advance 5G, [Nokia and T-Mobile](#) announced they will work together to develop 5G private mobile networks and hybrid mobile networks. [Celona](#) introduced the first 5G LAN intelligent routing capabilities for private cellular networks. This technology makes it possible for private 4G and 5G networks to address secure connectivity for a new generation of use cases, from automated mobile robotics to computer vision.

In 5G field trials news, [Vodafone Idea and Ericsson](#) announced achieving a technology milestone during the ongoing 5G trials by demonstrating a peak download speed of 5.92 Gbps.

A successful trial on [Deutsche Telekom's](#) 5G-enabled network could pave the way for major advances in sustainable mobile site operations through the use of renewable energy. The joint Ericsson and DT initiative has transformed a live radio site using a management solution to efficiently harness solar and wind energy while optimizing power supply and demand.

Security news

Two new studies reveal how industry leaders feel about security. While the world's CISOs spent 2021 coming to terms with new ways of working, many now feel much more in control of their environment. According to research from [Proofpoint](#), 48 percent of CISOs feel that their organization is at risk of a cyberattack in the next 12 months, down from 64 percent last year. [Aqua Security's](#) new research shows that nearly 70 percent of CISOs believe open-source security solutions provide a faster way to secure their environments, including access to the best and most current innovations in cloud security.

Nokia announced the launch of its [Advanced Security Testing and Research Lab](#), located in Dallas, Texas—the first end-to-end 5G testing lab in the U.S. focused solely on cybersecurity.

[Innovatrics and Blaize](#) announced a technology partnership to deliver ready-to-use facial recognition solutions designed for access control and public security applications leveraging SmartFace Embedded and Blaize edge computing devices.

[Palo Alto Networks](#) urged the industry to move to Zero Trust Network Access 2.0, the foundation for a new era of secure access. ZTNA was developed as a replacement for virtual private networks when it became clear that most VPNs did not adequately scale and were overly permissive. [Cloudflare](#) announced it has joined the EU Cloud Code of Conduct General Assembly to help

increase the impact of the trusted ecosystem and encourage more organizations to adopt GDPR-compliant cloud services.

IoT news

In IoT news, [Thales](#) announced the new Cinterion MV32 modem card that makes it quicker and easier for manufacturers to build and maintain resilient, high-performance 5G devices that will transform everyday life in the years ahead. [Senet and Ready Wireless](#) announced a partnership to deliver end-to-end enterprise and municipal IoT solutions combining Ready Wireless' IoT application management and data visualization platform and Senet's carrier-grade LoRaWAN network. The launch of [WANdisco Edge to Cloud](#) made possible a first-of-its-kind solution that directly connects IoT data storage with cloud-based AI, machine learning, and analytics applications, allowing every sensor-generated data point to add business value and be monetized.

AI news

[Qualtrics and SAP](#) will use artificial intelligence to bring more empathy into the contact center. Via a new integration that brings Qualtrics XM Discover's AI and machine learning capabilities into SAP Service Cloud, customer service teams will be able to better resolve customer issues, increase resolution rate and improve customer satisfaction. In other AI news, [AMP Robotics](#) will automate sorting in recycling facilities using AI.

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