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Technology Industry News

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In a rapidly changing world, it's never been more important to be able to quickly enable, update, change, or adapt the business processes, tools and software behind the technology that connects us. The digital agility imperative has been our focus all month—and in this issue. We've tracked the news headlines on innovation, partnerships, IoT connectivity, network optimization, and more that highlight advances in and newsworthy updates on digital agility.

The top technology 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.



Digital agility news

Agility news featured headlines on partnerships that push the limits of possibility. [CommScope is collaborating with Microsoft](#) to create a converged private wireless network solution, enabling new low-latency and mobile applications to transform industrial manufacturing. The partnership brings augmented reality applications and cloud-based manufacturing tools to factory engineers, including immersive technology training, aggregated assembly line data, and real-time remote assistance to improve production ramp times and worker capabilities.

TIBCO has leveraged AI/ML and automation to enhance its [TIBCO Cloud Integration](#), which enables integration of applications, data, and devices across hybrid environments, helping businesses automate processes and respond to market trends faster.

[Odine and HORISEN](#) will provide strategic SMS and voice services for global operators with integration of solutions for seamless billing, invoicing and reporting capabilities.

Network news

In network news, [Infovista](#) announced the findings of a report commissioned from Mobile Experts that shows how improved modeling precision in RAN planning and design optimization can drive significant CAPEX savings for mobile operators by either increasing RAN capacity or deferring investment in additional spectrum and radio equipment. In related news, Infovista announced support for Open RAN planning with the launch of [version 7.7 of Planet](#), which brings AI-powered, data-driven modeling and planning to O-RAN to help operators accurately model their network deployment to identify the optimal topology.

[Vodafone](#) successfully completed an advanced software upgrade across its entire global transport network, which serves hundreds of millions of users and third-party Internet and content providers in 28 countries across four continents. This boosts network capacity and security.

[Zayo](#) announced the launch of its new Zeus subsea route connecting the UK and continental Europe via access points in Lowestoft, UK and Zandvoort, Netherlands. The route includes terrestrial backhaul connectivity to London and Amsterdam. In India, [STL](#) announced a deal with a leading telecom operator to build a high-performance optical network in India to accelerate fiber densification and advance connectivity and communications.

In LoRaWAN news, [Senet and IotaComm](#) are partnering to deliver advanced wireless networks for smart infrastructure sensors to enable greater control over and visibility into smart building, smart city, and critical infrastructure applications. Senet also announced the availability of its new network-based [Location Estimator](#), which uses the company's public carrier-grade LoRaWAN network and partners' extended coverage to provide location logic for asset tracking, location-enabled mapping, and any application that can benefit from estimated presence and proximity detection. In related network news, [Openreach has rolled out ADVA's](#) next-generation edge technology to support Ethernet Access Direct services to customers throughout the UK to meet the bandwidth, timing and programmability needs of new business, 5G and enterprise services. [Deutsche Telekom and Google Cloud](#) announced a new expanded partnership focused on network transformation, to define a joint roadmap for the telecommunications industry by bringing the power of the cloud closer to mobile and connected devices at the edge of Deutsche Telekom's network.

5G news

Mobile operators are split on their 5G deployment strategies to manage subscriber data but agree on key factors such as total cost of ownership, data ownership and edge services. These are some of the key findings from a [new Enea survey](#), conducted independently by the Technology Innovation Council, which interviewed mobile operators globally.

[Nokia and Infovista](#) announced a global partnership to accelerate the rollout and acceptance of 5G network deployments. The partnership will see Infovista deliver its cloud-based, automated testing solutions to support the verification, optimization and benchmarking of new 5G and legacy networks deployed and managed by Nokia. [Infovista](#) is also embarking on a strategic collaboration with PCTEL to co-develop joint 5G network testing use cases for mobile operators and industry regulators.

In other 5G news, [Spirent Communications](#) announced the introduction of Spirent Vantage, an innovative solution designed to simplify and automate 5G service assurance and give communication service provider operations teams of any size and skill the ability to understand their network and service performance. [SOLiD](#) debuted new 5G distributed antenna system in-building connectivity solutions to enable mobile network operators and third-party operators to maximize coverage and capacity to deliver a true 5G experience indoors from day one. To further 5G network slicing and enhance network security, reliability, and flexibility, [5G Americas](#) announced the release of its latest white paper on commercializing network slicing.

IoT news

According to research from [Omdia](#), enterprises are turning to 5G for their IoT needs. Enterprises are not only increasing their IoT spending and their deployment of devices but are doing so because IoT projects are meeting or exceeding return on investment expectations. [Digi International](#) has unveiled the Digi XBee LR, a wireless communication module for sensors and end-nodes enabling LoRaWAN connectivity for IoT deployments. It provides a complete IoT solution with automated provisioning and deployment to accelerate IoT deployment or expansion. [Senet and Eclipses](#) will work together to utilize MTE technology and provide security to data-in-transit for the IoT market. This meets the needs of highly scalable, low-power, widely dispersed IoT end points, delivering an added level of security for critical infrastructure and essential business applications that require it.

Innovation and leaderboard news

Nokia announced it will lead [6G-ANNA](#), a German national-funded 6G lighthouse project. Nokia will collaborate with the 29 partners in 6G-ANNA to lead and drive 6G research and standardization. The project's stated objective is to provide essential technologies to unleash and augment human potential. [Nokia and the Indian Institute of Science](#) announced the opening of the Nokia Center of Excellence in Networked Robotics at the IISc Bengaluru. The CoE will promote inter-disciplinary research involving robotics and advanced communication technologies in 5G and artificial intelligence.

[Total Network Services](#) has announced that the US government is implementing the Electronic Medical Mobile Application to modernize the filing of workers' compensation, property, and tort claims during the 2030 US Census. EMMA, which was developed in collaboration with Forward Edge-AI and Rypplzz, utilizes TNS' Universal Communication Identifier (UCID) in the largest government use case for blockchain technology implementation to date. To improve awareness between bicyclists and motorists worldwide, [T-Mobile and Deutsche Telekom are working with](#)

[Spoke](#), a mobility platform for safety, connectivity and rich rider experiences. Called T IoT, it is a comprehensive solution for global IoT connectivity, platform management and support and will deliver near real-time information to bicyclists and motorists on the road to help them reach their destination safely.

[Ericsson has completed acquisition of Vonage](#), which provides Ericsson with building blocks to offer a full suite of communications solutions to grow its global mobile network and expand further into the enterprise sector. Ericsson had received clearance earlier from the Committee on Foreign Investments in the United States to [complete its acquisition](#) of Vonage Holdings Corp.

Satellite news

IoT, 5G and satellite news were intertwined this month. Ericsson, French aerospace company Thales, and wireless technology innovator Qualcomm Technologies are planning to [take 5G out of this world](#) and across a network of Earth-orbiting satellites. After having each conducted research that included multiple studies and simulations, the parties plan to enter smartphone-use-case-focused testing and validation of 5G non-terrestrial networks.

In partnership with OneWeb under the ESA Sunrise Project and with support from the UK Space Agency, [SatixFy](#) announced its role in enabling the first demonstration of a high-speed, low-latency link with an LEO satellite constellation incorporating 5G. The project is focused on developing a compact electronically steered multi-beam array suitable for mobility services over both LEO and GEO satellites simultaneously.

[Telefonica and Sateliot](#) are collaborating in the development of an innovative connectivity service with dual 5G NB IoT technology in which Sateliot's new satellite network will be integrated with Telefonica Tech's current terrestrial NB-IoT networks to offer IoT connectivity wherever the customer needs it, including maritime coverage.

[EchoStar Mobile](#) has deployed its pan-European LoRa-enabled Internet of Things network for massive IoT capability across Europe. The network, operating in EchoStar Mobile's licensed S-band spectrum from the EchoStar XXI satellite, offers bi-directional, real-time LoRa-enabled connectivity across Europe using a single network.

In other satellite news, [Gilat](#) is working with a Tier-1 mobile network operator in Latin America to enable cellular backhaul. [Gilat](#) is providing 4G cellular backhaul network expansion for a Tier-1 MNO in the Asia Pacific region as well.

AI and analytics news

To advance the connected vehicle future, [CerebrumX and Cerence](#) announced a strategic collaboration to offer an AI-powered platform built on AWS that drives effective data and actionable insights from millions of connected vehicles in real-time.

In quantum computing news, three serial entrepreneurs and a leading professor from the Weizmann Institute of Science are joining forces to establish [Quantum Source](#) and actualize a breakthrough technology that will enable photonic quantum computers that are 50,000 times more efficient than state-of-the-art implementations.

[NVIDIA](#) announced a unified computing platform for speeding breakthroughs in quantum research and development across AI, HPC, health, finance and other disciplines. The NVIDIA Quantum Optimized Device Architecture aims to make quantum computing more accessible by creating a coherent hybrid quantum-classical programming model.

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