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IT and Telecom Technology Industry News

By: [Jara Kern](#)

There's an adage in business: "Efficiency is the foundation for survival. Effectiveness is the foundation for success." This month, as we explore all facets of our Automation theme, we're seeing this saying come to life in technology industry news headlines. From research that reveals the IT cost savings of SaaS models and tallies up the financial benefits of IoT integration and automation, this month's IT and telecom technology industry news drives home the point that new ways of doing business just might be better ways of doing business.

The top IT and telecom 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 in your inbox.



Automation and Digital Transformation news

As enterprises across markets flex to meet changing pressures and customer demands, support systems headlines included research, product launches and partnerships. According to new research released from [Analysys Mason](#), communication service providers can realize IT cost savings of approximately 25 percent over a five-year period by adopting telecom services delivered through a software-as-a-service model.

[Gotransverse and AwareX](#) announced a new partnership to provide leading cloud-based integrated billing and enhanced customer engagement solutions. [MATRIX Software and CompaxDigital](#) revealed that they are working with several European Tier 1 operators on scalable, repeatable support and plans for business transformation for emerging 5G services. [Windstream Enterprise](#) also launched its unified-communications-as-a-service solution, OfficeSuite UC, in Europe and APAC.

Industry transformation news included interesting new research. F5 released its [2022 State of Application Strategy Report](#), which outlines the challenges organizations face as they transform IT infrastructures to deliver and secure digital services that have become inseparable from everyday activities, such as completing job tasks or consulting a doctor. The report captures the tradeoffs of accelerating digital transformation in an increasingly digital world. [Venafi](#) also unveiled the findings of a global study of 1,000 CIOs, which shows that digital transformation is driving an average of 42 percent annual growth in the number of machine identities—outpacing the growth of human identities. And as pressure to transform mounts, the [EdgeView 2022](#) survey from IDC found that three quarters of organizations plan to increase their edge spending over the next two years with an average increase of 37 percent.

Innovation news

In innovation news, [Intel](#) released the results of a study exploring how organizations approach security innovation in an increasingly digital world to stay ahead of the evolving threat landscape. Key findings reveal that organizations value security product innovation, especially at the hardware level, when purchasing technologies and services. According to [IDTechEx](#), the current state of 5G has seen less technological innovation than might have initially been expected with the promise of high frequency, gigabit download speeds, and millisecond latency yet to be realized in a major way. There is certainly more scope for technical development and innovation.

In smart city news, Resulticks has joined the [Qualcomm Smart Cities Accelerator Program](#) to collaborate on transforming the landscape of real-time customer engagement and communications. [Juniper Research](#) has found that the number of buildings globally deploying smart building technologies will reach 115 million in 2026, from 45 million in 2022. This growth of over 150 percent reflects increasing demand for energy efficiency from businesses and residents alike, as energy costs spike.

In autonomous vehicle news, [Cisco and Verizon](#) collaborated on a successful proof of concept demo in Las Vegas, showing that cellular and mobile edge compute technology can enable autonomous driving solutions without the use of physical roadside units to extend radio signals. [Stellantis and Qualcomm](#) are collaborating to deliver intelligent, customizable and immersive in-vehicle experiences to millions of vehicles across iconic automotive brands beginning in 2024. And [JonQ and Hyundai Motor Company](#) announced a new project designed to apply quantum machine learning to image classification and 3D object detection for future mobilities.

[Accenture](#) has made a strategic investment in Titan Space Technologies, an orbital compute platform that offers real-time monitoring and neural engine capabilities to accelerate the next generation of scientific technology innovations for enterprises, such as adaptive immune response, carbon capture and biomedical applications.

In satellite news, [Viasat](#) has been tapped to deliver real-time, near-earth communications to support NASA's Communications Services Project. The company is one of six American satellite communications providers collaborating with the agency to begin developing and demonstrating near-Earth space communication services that may support future [NASA](#) missions.

It's happy hour somewhere, and this summer it's happening in the the Metaverse. [Jose Cuervo](#) is planning to open the first metadistillery in the 3D virtual world Decentraland this summer.

AI and analytics news

AI and advanced analytics are making new breakthroughs possible every day, in fields as different as astronomy and shipping. [Topcoder](#) announced that the Comet Detection Marathon Match Challenge, conducted on behalf of NASA SOHO-ESA to develop artificial intelligence and machine learning algorithms capable of detecting comets that reflect minimal light, resulted in the finding of two previously undetected comets. [UPS is collaborating with Google Cloud](#) to evolve UPS's global logistics network technology and boost experience through AI/ML tools that increase supply chain efficiency and service.

[Hewlett Packard Enterprise](#) announced results from its HPE Spaceborne Computer-2, the first in-space commercial edge computing and AI-enabled system to run on the International Space Station—it completed 24 research experiments and drastically cut time-to-insight from months to minutes.

In other AI news, [Frost & Sullivan's](#) recent analysis of the global semiconductor devices market finds that technology convergence of connectivity and advanced technologies such as artificial intelligence (AI) and machine learning (ML) is accelerating growth across all verticals.

Network evolution news

The Wireless Broadband Alliance announced the successful completion of rigorous testing around the deployment of [WBA OpenRoaming](#), priming the innovative Wi-Fi roaming standard for adoption throughout Europe.

Stateside, the [Federal Communications Commission](#) proposed that wireless providers that participate in Wireless Emergency Alerts publicly report on key aspects of the performance of this service. Since its launch one decade ago, Wireless Emergency Alerts have become an essential part of America's emergencypreparedness. In field trials news, [Windstream Wholesale](#) announced that it has successfully tested the interoperability of QSFP-DD form factor ZR+ pluggable modules from II-VI and Acacia, now part of Cisco. The tests established 400 Gigabit links in a production environment over a 1,027-kilometer link. Parallel Wireless is partnering with Inatel, Telecom Infra Project, Brisanet, Claro, TIM, and Vivo to conduct an [Open RAN field trial](#) enabling leading-edge 4G and 5G broadband communications throughout Brazil and other LATAM countries.

5G news

Is it the 5G revolution—or evolution? According to [GSMA intelligence](#), only eight percent of mobile connections were 5G in 2021 and this is expected to reach 25 percent by 2025. The penetration of 5G is expected to be highest in developed Asia Pacific countries, North America,

and China with 64 percent, 63 percent, and 54 percent, respectively. This reveals global networks in transition.

[Rogers](#) announced it has launched the first commercial 5G standalone network in Canada and one of the first globally after completing the rollout of Canada's first national standalone 5G core and the country's first 5G standalone device certification. [Nokia, stc and MediaTek](#) announced that they have successfully verified 3 Component Carrier Aggregation in a 5G standalone network in the city of Makkah for the first time in the Middle East and Africa.

[Kyocera](#) has developed a transmissive metasurface technology that can redirect wireless network signals in a specific direction to improve the coverage area and performance of 5G and eventually 6G networks. The Transmissive Metasurface will help deliver high-frequency millimeter-wave 5G and 6G to places where communication is impossible due to obstacles, expanding service areas beyond the capability of conventional reflective metasurface technologies used today.

IoT news

According to [Moxa](#), the Industrial Internet of Things has not only blurred the lines between OT and IT disciplines, but also led to the increasing prevalence of large-scale and highly distributed applications where field devices are dispersed over a wide area and need to communicate directly with remote servers.

IoT is enabling more efficient and profitable business, but integration is a challenge. A new global survey by [Analysys Mason and sponsored by Sierra Wireless](#) found that 72 percent of enterprises surveyed deployed IoT to automate their processes and reduce costs while 55 percent stated creating new revenue streams was a main reason for IoT adoption. [Ericsson](#) released a new report revealing the power of cellular IoT connectivity to mitigate the complexities brought on by disruptions in the logistics supply chain, including soaring fuel prices, driver shortages, and governmental regulations.

[Everynet](#), an operator for national LoRaWAN networks, has extended its IoT buildout with coverage that is now available in nearly 370 cities, which includes more than 130 key logistics points.

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