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Kyndryl Enterprise Private Wireless LTE/5G Connectivity Services

Meet your growing needs for wireless connectivity with agility, cost-efficiency, performance and security

Highlights

– Drives digitization and automation for new levels of operational flexibility and adaptability across a wide range of asset-intensive industries such as manufacturing

– Addresses today's demands for as-a service mission-critical, industrial-grade private wireless network with high performance on-premises edge computing capabilities and a cloud-based management system

– Delivers wide area coverage, high speed dedicated bandwidth, and ultra-low latency to support Industry 4.0 transformation using shared, licensed or unlicensed spectrum

– Offers capabilities beyond connectivity such as wide variety of click-to-deploy applications and a set of industrial devices for your needs

The need to quickly scale connectivity while reducing costs

CIOs, CTOs, network and IT professionals know how challenging it is to provide simplified, scalable, and secure access across many user devices and IoT technologies. They need to deliver highly secure and reliable network performance for compliance and mission-critical business applications. Requirements for some use cases include pervasive high-speed connectivity and deep coverage for inside plants, buildings and around equipment. To support Industry 4.0 initiatives, businesses need to quickly scale high bandwidth, low latency network delivery.

Above all, enterprises are under pressure to control rising and unpredictable legacy telecommunication costs.

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Kyndryl delivers private wireless connectivity as-a-service to enable the Industry 4.0 transformation. This solution is built to help you unlock the power of LTE/5G through a secure, private network with an as-a-service model for better controlling and predicting your costs.

Take control of your IT operations landscape

This solution provides high availability, high-speed and ultra-low latency wireless connectivity. These, with the high capacity on-premises edge computing platform, enable digital transformation of your operational technology that supports Industry 4.0.

Kyndryl partners with technology providers for private wireless solutions offering seamless 4.9G/LTE & 5G coverage. Kyndryl supplies technology consulting, design, implementation, and managed services support. These partner platforms are compact, easy-to-use, as-a-service private wireless solutions with digitalization enablers. With these platforms, customers can securely collect, process and host their generated proprietary data on site.

Features include wide variety of click-to-deploy industrial application and edge computing capabilities. The offering includes a cloud-based management system, industrial devices, and full services support.

– Meet evolving requirements for agility, security and scalability for better performance of your network.
– Reduce CapEx in favor of predictable costs structure through the as-a-service model.
– Capitalize on the strong industrial device ecosystem available now with LTE and the variety of click-to-deploy applications.

Network-as-a-service solution supports multiple industries

As industries move into cognitive-powered digital transformation, there are major connectivity demands on enterprise networks. Kyndryl offers a network-as-a-service solution, designed to serve multiple industries including airline and travel, automotive and transportation, consumer packaged goods, chemical, financial services, government, healthcare, industrial, manufacturing, real estate, retail and logistics, and others.

You can use this offering to address market opportunities in the strong industrial ecosystem available now with LTE. With the ready-to-go private wireless solutions from our existing technology partners, you can prepare for significant 5G enhancements in future 3GPP releases. Early adopters of private 5G can realize advantages as they gain critical skills and capabilities ahead of competitors.

Kyndryl integrated private cellular network expertise

Kyndryl has significant expertise in a wide and deep range of network technologies. And as a telecom-circuit and equipment-provider neutral network integrator, Kyndryl is uniquely qualified to monitor and manage integrated private cellular networks. Customers get a host of capabilities for their application use cases, with key features such as:

– Support for all spectrum bands currently available for enterprises across geographies
– Fast, simple deployment of anytime, anywhere connectivity
– Enterprise-grade security
– Agile, compact, and scalable network design for more cost-effective performance
– Wide area coverage and mobility support
– Push-to-talk and push-to-video support over the same network
– Dashboard and data analytics powered by AI and machine learning
– Simple-to-use web portal for SIM card management, operation, and maintenance
– Complete end-to-end device management, visibility, security, and compliance
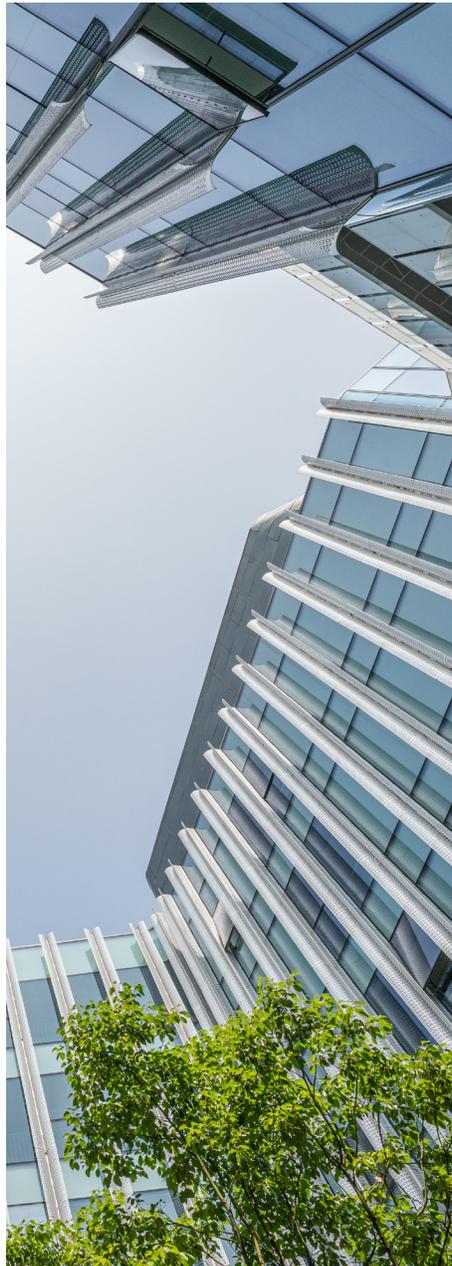
Use case 1.
Manufacturing operations

Problem: Lack of visibility across disparate data sources, lag in response times.

Solution: Real-time visualization, simulation and analysis of machine and worker data.

Benefit: Automated production line and real-time analytics at the edge to improve product quality.
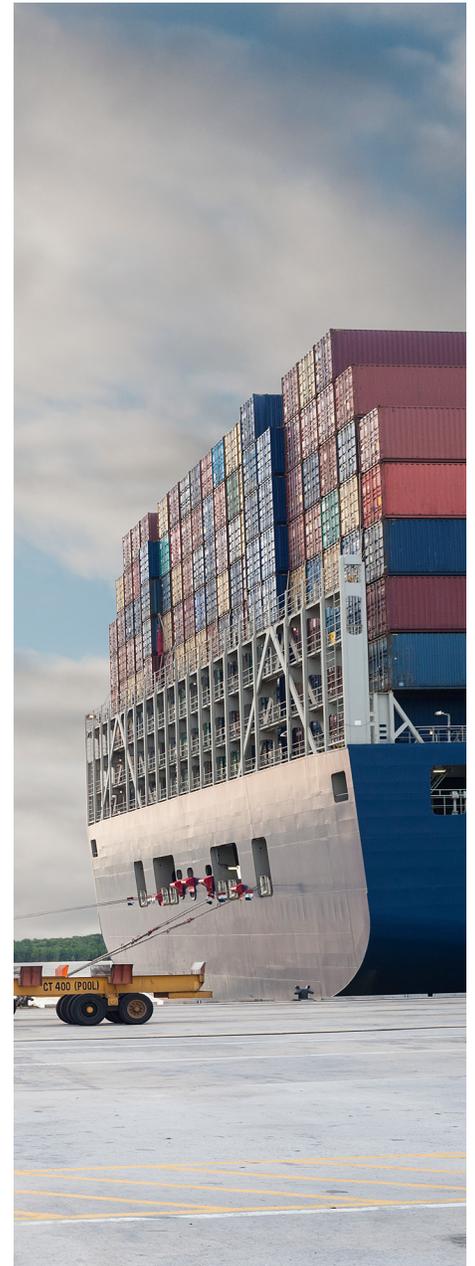
Use case 2.
Smart retail

Problem: Lack of transparency and access to stock, unexpected stock shortages and delays impact customer experience.

Solution: Automated store operations and real-time buyer analytics at point-of-sale.

Benefit: Improved insights, client experiences and reduction of inefficient operations.

Use case 3.
Supply chain (fleet and freight)

Problem: Data silos, lack of visibility into B2B transactions and inventory, decision delays.

Solution: Integrated data from multiple edge sources in remote locations with intermittent connectivity.

Benefit: Dynamic, end-to-end inventory tracking, planning and delivery.

Why Kyndryl?

Kyndryl has deep expertise in designing, running, building, and managing the most modern, efficient and reliable technology infrastructure that the world depends on every day. We are deeply committed to advancing the critical infrastructure that powers human progress. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners, investing in our business, and working side-by-side with customers to unlock potential.

To learn more about how Kyndryl Enterprise Private Wireless LTE 5G Connectivity Services can help your organization please contact your Kyndryl representative, or click here to book a consultation. Or visit kyndryl.com

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