



Address Employee Safety and Productivity with Kyndryl

Kyndryl helps enterprise customers accelerate their digital transformations with industrial-grade reliable and security-rich LTE and 5G private wireless networks.

Kyndryl successfully executed a private wireless connectivity project for a U.S. chemical manufacturing plant. This included an innovative solution combining a technology provider's private wireless platform with Kyndryl's consulting, design, implementation and management services.

This solution is designed to support the move to Industry 4.0. Companies today are using IoT, cloud computing, artificial intelligence (AI), machine learning (ML) and other advances to automate, digitalize, and transform their field operations, manufacturing, production, and distribution activities.

Costly unplanned downtimes

Shortages of skilled labor—as well as gaps in network coverage, particularly in remote and field locations—today can contribute to quality control issues, non-compliance, machine failure, human error, accidents, and worker injury in both manufacturing and industrial settings. These incidents and unplanned downtimes are costly and can adversely impact revenues.

Many organizations have considered enhancing their employee productivity, predictive capabilities, and worker safety. Some are discouraged because of insufficient network capabilities and the cost of deploying and managing a comprehensive communication infrastructure that can support challenging physical environments.

Examples include smart devices for predictive warnings of machine failure and safety conditions, virtual reality and digital twin repair technologies, and one-touch communications devices for quick problem resolution.

Industry 4.0 technologies can deliver efficiency, predictive analytics, and safety benefits but they depend on an intelligent network and supporting services to perform. A dependable, secure, high-quality network is critical to successful enabling such automated tools and operations processes.



The Solution

By combining Kyndryl experience in hybrid infrastructure and worldwide consulting services with our technology partners, organizations can use innovative technology to augment human capabilities.

Kyndryl Enterprise Private Wireless LTE/5G Connectivity Services with our technology partners' connectivity platform delivers a modern network and edge solution designed to support your digital industry 4.0 initiatives.

Customer benefits

Kyndryl Enterprise Private Wireless LTE/5G Connectivity Services help you create a comprehensive intelligent network with next generation campus private wireless—at a fraction of the cost of a traditional network.

This solution helps you achieve the speed, low latency, security, and reliability of data connectivity which critical success factors for enterprise edge data processing. And Kyndryl Managed Services provides a single-view management dashboard where you can:

- Manage and optimize your private wireless network
- Monitor devices for predictive maintenance and safety data
- Enable analytics and automation
- Get real-time data from your people, sensors, devices, and machines

Additionally, Kyndryl works with many independent software vendors (ISVs) and hardware suppliers to provide a complete solution that can help you transform employee processes.

Use cases

The following use cases provide examples of enhanced productivity across industries using Kyndryl Enterprise Private Wireless LTE/5G Connectivity Services.

01

Manufacturing operations

Automate production line and performance analytics at the edge to improve product quality

- Inspect, optimize and “self-heal” a production line in real-time
- Detect and correct at the point of installation
- Improve worker and inventory management

02

Smart retail

Improve client experiences and reduce inefficient operations

- Provide personalized and interactive experiences
- Monitor and adjust inventory and supply chains
- Automate in-store operations and connect vending

03

Supply chain

Dynamically plan inventory and delivery end-to-end

- Monitor and optimize conditions to minimize freight damage
- Dynamically re-route to align to changing conditions
- Coordinate the fleet with seamless communications

04

Petrochemical

Enable remote audio and video collaboration and real-time smart procedures

- Address employee safety and productivity procedures
- Leverage push-to-talk and push-to-video technology
- Monitor vehicle movement and location to verify driver compliance with plant policies



Kyndryl is your trusted advisor for Industry 4.0. Our consulting and design services can help your organization create a solution using technology that is customized to your industry and to the needs of your business. Let us show you how a private wireless network can digitally transform your operations, to address safety and productivity improvements.

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.

Learn more

Get a 30-minute, no-cost strategy session with a Kyndryl expert. To learn more about Kyndryl contact your representative or visit us at www.kyndryl.com.

Need a network and edge expert? Use this QR code.



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