

Kyndryl Private LTE / 5G with Microsoft Azure

The Challenge of Seamless Connectivity

01

In today's rapidly evolving digital landscape, businesses face the challenge of establishing reliable and secure wireless connectivity.

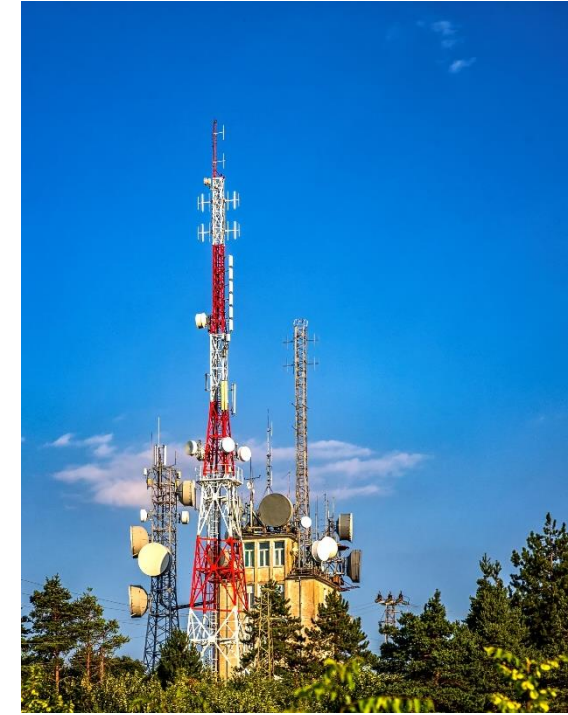
02

Traditional wired networks are often insufficient to meet the demands of modern applications, remote work, and emerging technologies.

03

Businesses require a solution that enables seamless connectivity, enabling them to leverage the power of the cloud and drive digital transformation.





The Solution

Kyndryl Enterprise Private Wireless LTE / 5G Connectivity Services with Nokia private wireless technology offer a modern network and edge solution designed to support your Industry 4.0 digital initiatives with Microsoft Azure.

kyndryl

Kyndryl experience with hybrid infrastructure and worldwide consulting services

NOKIA

Nokia state-of-the-art communication networks

Unlocking the Potential of Kyndryl Private LTE / 5G

Leading expert in Networking and Edge

Performance



Provide the levels of performance needed to support low-latency, real-time, large-scale IoT applications

Coverage



Coverage in spaces where WiFi was previously ineffective, especially outdoors

Extreme Conditions



Large industrial environments such as manufacturing floors, warehouses, outdoor plants, airport terminals, and open pit mines

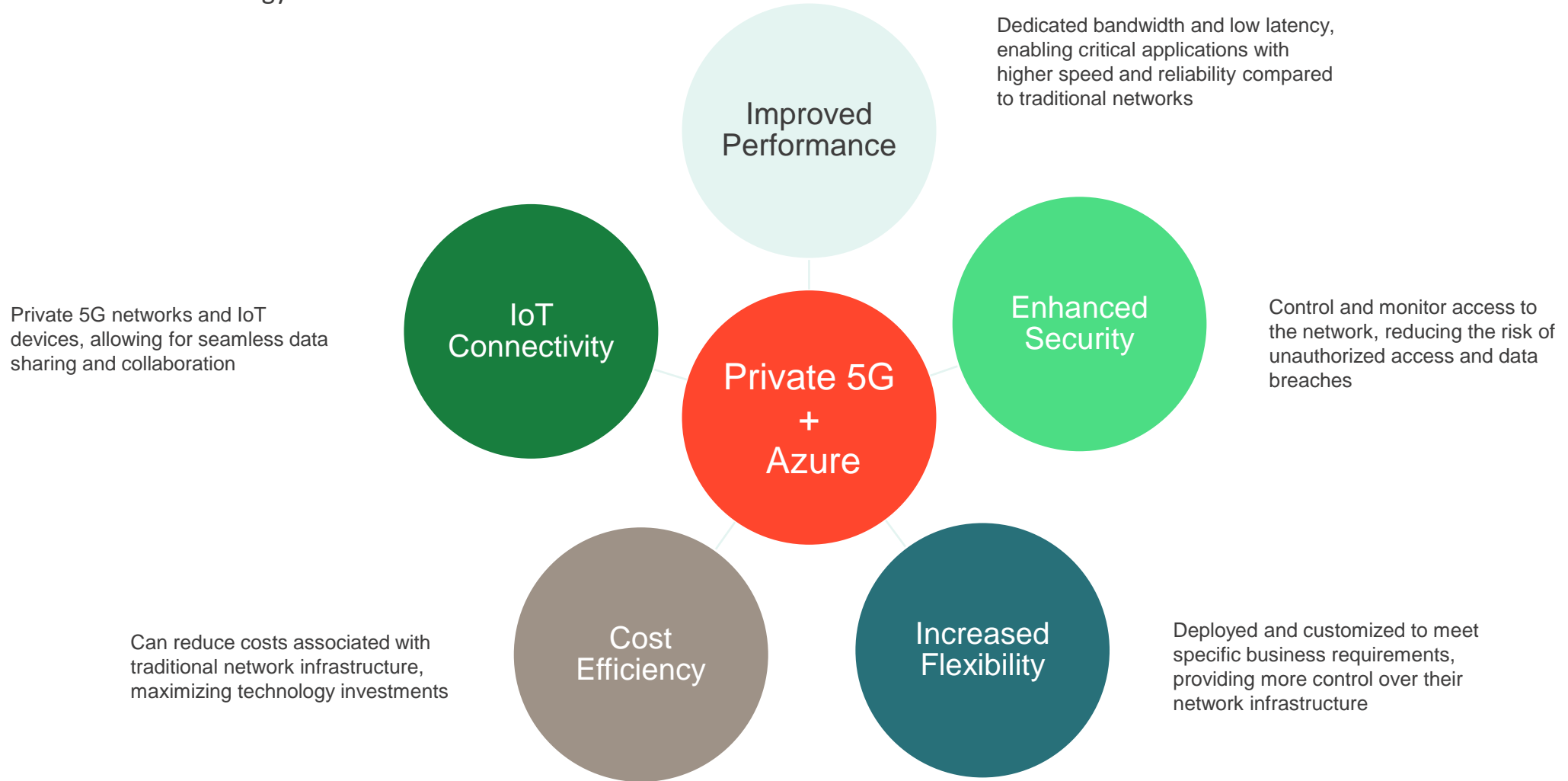
Cost



Achieve universal wireless coverage and do it quickly and cost-effectively

Kyndryl Private LTE / 5G + Microsoft Azure

Private LTE / 5G Networks enable edge compute for Microsoft Azure, offering more bandwidth and lower latency or wireless connectivity with a highly secure, flexible, and cost-efficient technology solution.



Kyndryl Consulting and Design Services Customized by Industry

Manufacturing



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

Mining



Improve safety, efficiency and productivity

- Greater network coverage and capacity make it simpler to manage and automate remote operations
- Cost effective deployment of advanced connectivity
- Secure, high-performing wireless network infrastructure for critical communications and applications

Oil & Gas



Real-time monitoring and control

- Enables real-time monitoring and control of operations
- Advanced technologies such as drones, sensors, and augmented reality can be leveraged for safety and optimized operations
- Improve data privacy and reducing the risk of cyber attacks

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

Large U.S. based Chemicals company: Kyndryl deploys and manages a private cellular network solution

Client challenge:

- Client needed a very highly secured and high performing wireless network with an extensive coverage footprint at their plant sites to satiate their Business & mission-critical Industry 4.0 application needs.
- The remote plant locations and expansive coverage needs presented a unique challenge for a telecom provider to provide an integrated private cellular service

Solution:

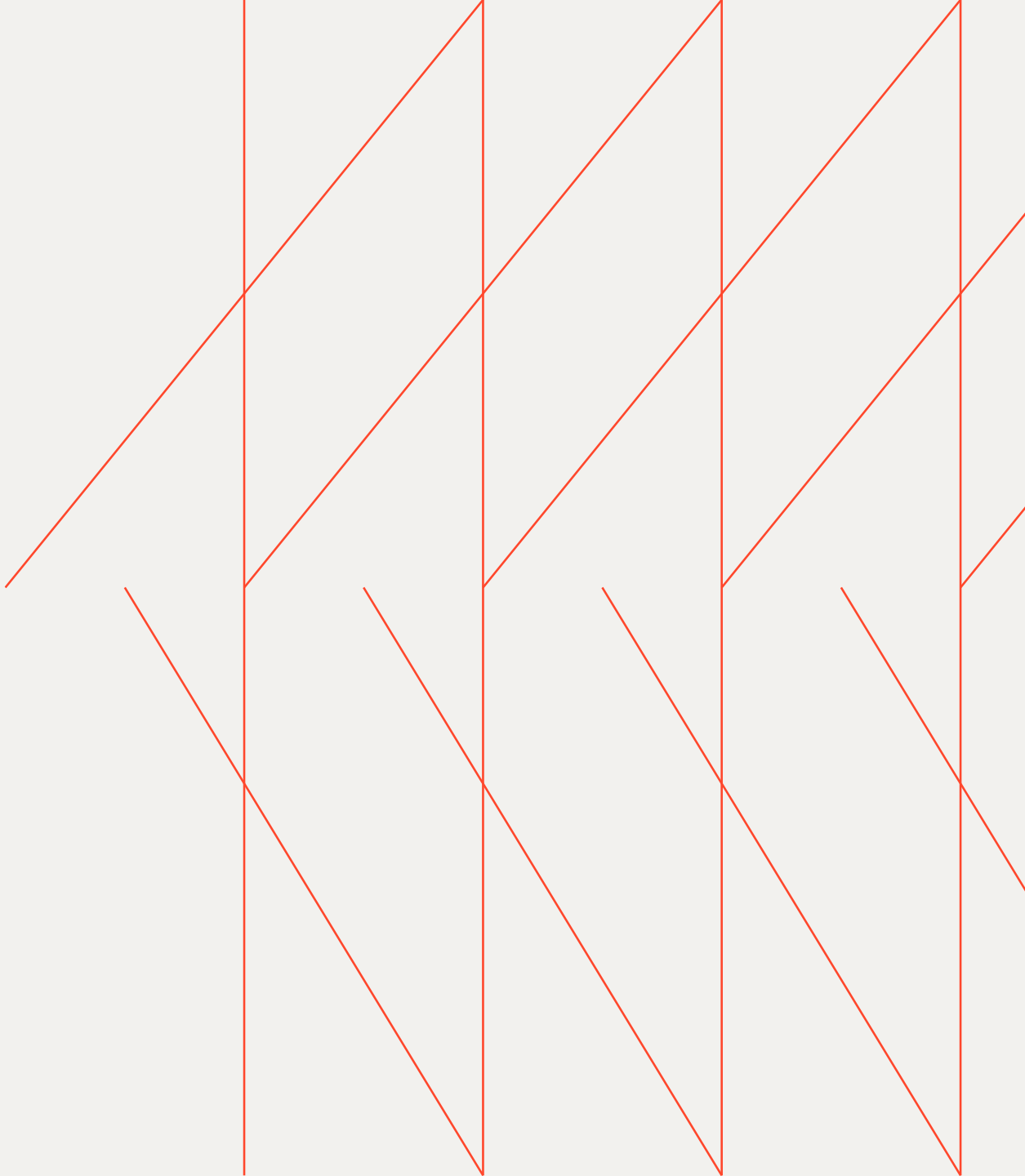
- Kyndryl, working with partners, deployed a private cellular network. Kyndryl also provides managed services for the solution - with monitoring, management, reporting and data analytics – powered by AI/ML. The wireless private cellular network operations are managed seamlessly using cloud platforms, tools and proactive monitoring and management.

Use cases:

- Vehicle Telematics: Monitor vehicle movement and location to verify driver compliance with plant policies
- Smart Procedures & Remote Collaboration: Provide interactive two-day digital procedures to field resources
- Push to Talk/Push to Video (PtT/PtV)
- Leverage Enterprise's standard collaboration platform to enhance user experience



About Kyndryl





A \$19.4B technology services company with 90,000 skilled practitioners, we design, build, manage and modernize the mission-critical technology systems that the world depends on every day.

kyndryl

Known for:

- Being trusted by customers with vital systems
- Deep domain expertise: 30+ years of IT services eminence
- Position as leader by industry analysts
- Innovating at scale with intellectual property and portfolio of 3,000+ patents
- Largest infrastructure implementation and managed services provider

Added value as Kyndryl:

- Unleashing our full potential with partners to deliver exponential outcomes for customers
- Expanding investments in skills and innovation our customers need
- More nimble and responsive with decision-making close to customer

Unique facts about Network and Edge at Kyndryl

30+ years of designing, building and managing networks in IT operating environments

Our expertise:

270K

Network devices managed

3.5M

LAN ports managed

5,200+

WAN devices managed

742K

Telephony endpoints managed

170

Countries engaged

Powering mission-critical technology systems across essential industries delivering key benefits



Modern and agile

Emerge stronger from disruption and transform with solutions efficient enough to adapt to change



Cloudification and 5G

Focus on software driven virtualization and cloud adoption of technologies across access, edge, and core



Connectivity

Adopt a network-as-a-service approach for integrating and managing your hybrid cloud network environment

Empowering thousands of customers



1,198

Global customers



49%

of mobile connections managed by our customers

Providing undisputed leadership



Leader: Worldwide Network Consulting Services 2021 Vendor Assessment (IDC MarketScape)¹



Dynamic Differentiator: Managed Network Services Market – Global Forecast to 2025 (MarketsandMarkets)²



Major Contender: Network Transformation and Managed Services PEAK Matrix[®] Assessment 2021 (Everest Group)³

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Thank you

