



Kyndryl Services for Enterprise 5G, IoT, and Edge

Data connectivity speed, low latency, security, and reliability

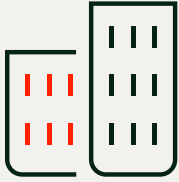
The speed, low latency, security, and reliability of data connectivity are critical success factors for enterprise edge data processing. Enterprises want more indoor and outdoor coverage, as well as a secure network, to ensure that all data traffic stays within the enterprise's local area network (LAN). Kyndryl private wireless services help clients with private LTE and 5G infrastructure strategy, design, deployment, and management.

Kyndryl Private Wireless Services provides consulting, design, implementation and managed services support in delivering private wireless connectivity for enabling the Industry 4.0 transformation. Kyndryl helps our customers meet their network's growing need with LTE and 5G technologies.

The challenges

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, organisations are under pressure to control rising and unpredictable legacy telecommunication costs.



Key business needs

- Optimise and automate business processes
- Inform decision making and planning
- Support innovation
- Improve security and compliance
- Improve customer experience



What's standing in the way?

- Lack of networking skillsets
- Need for day-to-day management
- Competition
- Globalisation
- New business models



Kyndryl Enterprise 5G, IoT and Edge services

Kyndryl provides Advisory, Implementation and Managed Services for achieving highly reliable, low latency, fully secured Private Enterprise LTE/5G wireless cellular connectivity.

Advisory

Kyndryl advisory services provide strategic advice and insight through the assessment of the IT/OT facility environment to facilitate decision making for achieving a highly reliable, low latency, fully secured private 5G for enterprise.

- Private enterprise 5G assessment and strategy
- Site survey and high-level radio design
- Private LTE/5G conceptual architecture
- Spectrum recommendations
- Roadmap and transition plan with budgetary cost
- Network assessment and strategy
- Application edge infrastructure and planning
- Requirements analysis and consulting

Implementation

Kyndryl implementation services offer design and build services for private 5G networks paired with enterprise-grade security and management of devices.

- Radio installation, configuration, and provisioning
- Device provisioning (subscriber identity module)
- Edge infrastructure implementation and provisioning
- Edge cloud installation and commissioning

Managed Services

The managed services platform integrates with private LTE/5G platform to provide holistic remote network operations and management. It provides standard service levels and delivery model for remote management across global locations with integrated systems and service management tools and dashboard. This brings actionable insights through analytics for troubleshooting, dynamic thresholds, and anomaly detections.

- Continuous monitoring, operations, and software updates
- Artificial intelligence and machine learning-powered dashboard with integrated analytics
- Subscriber identity module and quality of service management
- Edge analytics and reporting
- Technical support and training for self-management





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Features

1. Compact and scalable enterprise deployment
2. Network-as-a-service
3. Easy to use web portal for SIM card management, operation and maintenance
4. Supports all spectral bands currently available for enterprises across geographies
5. Dashboard and analytics
6. Application support for key private enterprise use cases
7. Push-to-talk and push-to-video support
8. A holistic multivendor approach aimed at developing a best-fit solution
9. Hosted or managed services
10. Advise/Build/Move/Manage Services

Benefits

1. One stop solution
2. Global footprint as a Services Integrator delivering scalable, efficient, business focused and SLA-driven end-to-end support
3. Single pane of glass management dashboard
4. Integration of legacy network infrastructure with LTE/5G network
5. Cognitive and AI powered applications to support desired enterprise use cases
6. Increased flexibility and reduced complexity of application deployment
7. Improved flexibility of workload placement



Why Kyndryl?

We work side by side with our customers to design, build, manage, and modernise the vital technology systems that the world depends on every day. With more than 30 years of IT services experience, 90,000+ skilled practitioners worldwide, and strategic alliances with industry-leading partners, Kyndryl is uniquely positioned to innovate at scale while delivering exceptional outcomes for our customers.



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