

EXPERIENCE TRANSFORMATIVE PRIVATE



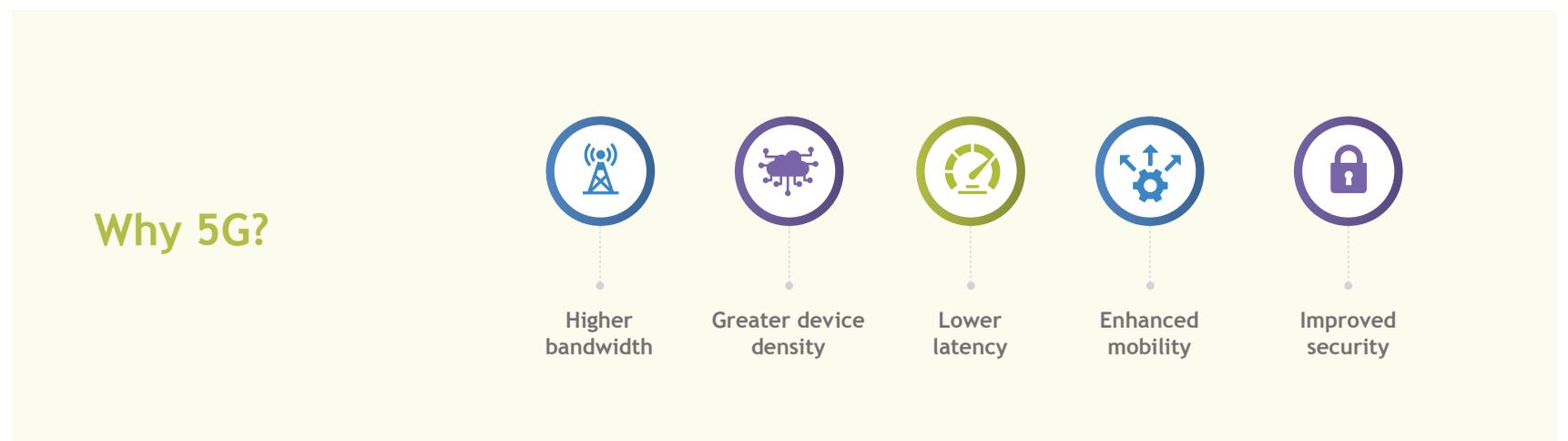
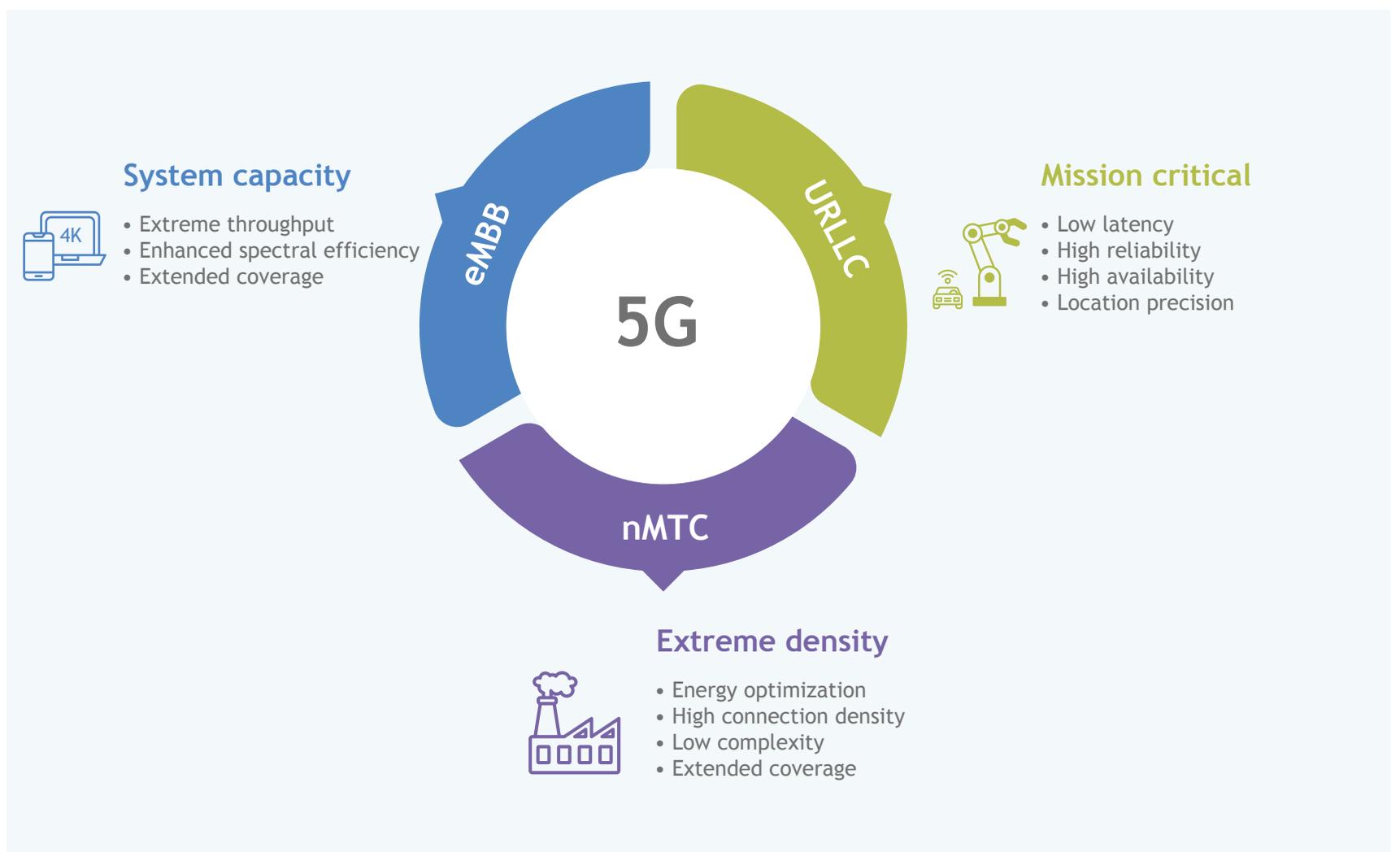
5G CONNECTIVITY



We live in an era of connectivity; Faster connectivity, ultra-low latency and greater bandwidth are essential needs for advancing societies, transforming industries, and enhancing day-to-day experiences. But many organisations are unable to realize the full potential of connected assets due to technical limitations of their legacy infrastructure. Private 5G enables organisations to realise this value and achieve digital transformation.

Private 5G is essentially a wireless local area network delivering unified connectivity and a secure means of wireless communication within a specific area. It is used to connect devices within an enclosed network - reliably and without lag - so people can track and manage connected assets in real time.

5G is not just a new generation of mobile networks - It's a revolutionary mobile connectivity architecture, specifically designed for the needs of connected devices.





Tata Communication MOVE™ Private Network

Tata Communications MOVE™ Private Network is an easy-to-manage enterprise wireless connectivity solution, offering a robust and reliable network and digital ecosystem enablement platform globally, helping you to achieve your digital transformation vision.

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Technology-agnostic and vendor-agnostic network management and analytics platform to enable programmable network
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5G customer excellence centre - A state-of-the-art facility built to collaborate and accelerate development by emulating a Private Network for customers to experiment their applications on 5G testbed
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Multi-layer security portfolio to protect data and infrastructure from cyber attacks
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Supports various 5G adapters to connect existing client devices on 5G network
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Flexible pay-as-you-go pricing model with nominal initial investment

Private Network v/s WiFi 6

Parameter	Private 4G/5G network	WiFi 6
Coverage	One access point can cover up to 1 km radius	One access point can cover upto 150m radius
Peak Throughput	20Gbps	10Gbps
Mobility	Make and break connection to ensure smooth transition across access	Break and make connection which can interrupt mission-critical applications
Security	Licensed spectrum with strong 3GPP security	Unlicensed and crowded spectrum, prone to security attacks

Why Tata Communications?

Easy-to-manage - Comprehensive service suite with network management platform that makes it easy for you to adopt private network even without having expertise in niche cellular technology expertise
Try-and-buy - Trial options with business case consultation to test potential use cases in our 5G experience centre and select the most value-adding use cases.



Typical Private 5G applications

Predictive maintenance	Smart operations using robotics
AR/VR applications	Transportation using AGVs
Drone surveillance & deliveries	Video surveillance & analytics
Asset tracking	IIoT applications

Industries served

Manufacturing	Warehousing and logistics
Metals & mining	Ports - sea & air
Hospitals & stadiums	Energy and utility

- Minimal initial investment:** Flexible pay-as-you-go model to ensure you pay after private network benefits start getting realized
- Domain expertise:** Extensive industrial expertise to understand your challenges and customize solutions that fits your requirements the best
- Global footprint:** A unified view of operations across multiple locations in different countries by connecting your facilities using our extensive global network infrastructure
- Strong data privacy:** Robust security via multi-layer security portfolio for all devices in the network

Way forward

In today's era, advanced digital capability is not only a competitive advantage, but a necessity. Tata Communications MOVE™ Private Network solution provides an end-to-end, cutting-edge, digital transformation solution, specifically tailored for your requirements.

To collaborate with us or to know more about Tata Communications MOVE™ Private Network and POCs, email us at: 5Gnetwork@tatacommunications.com



About Tata Communications

Tata Communications is a leading global digital ecosystem enabler that powers today's fast-growing digital economy. The company's customers represent 300 of the Fortune 500 whose digital transformation journeys are enabled by its portfolio of integrated, globally managed services that deliver local customer experiences. Through its network, cloud, mobility, Internet of Things (IoT), collaboration and security services, Tata Communications carries around 30 per cent of the world's internet routes. It connects businesses to 60 percent of the world's cloud giants and four out of four-five mobile subscribers.

Its global reach underpins the company's capabilities. It owns the world's largest wholly-owned subsea fibre backbone and operates a Tier-1 IP network connecting to more than 240 countries and territories. Tata Communications globally delivers a superior, always-on experience. We maintain a Leader position in the Gartner Magic Quadrant. Plus, reassuringly, we are a Cisco' Gold Standard UC Experience' partner globally. We have your business covered.

One partner: Single point of accountability with a carrier-grade experience and optimised delivery, thanks to our global managed services.

For more information, visit us at www.tatacommunications.com

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