

TATA COMMUNICATIONS



The Network for Unstoppable Enterprise Growth

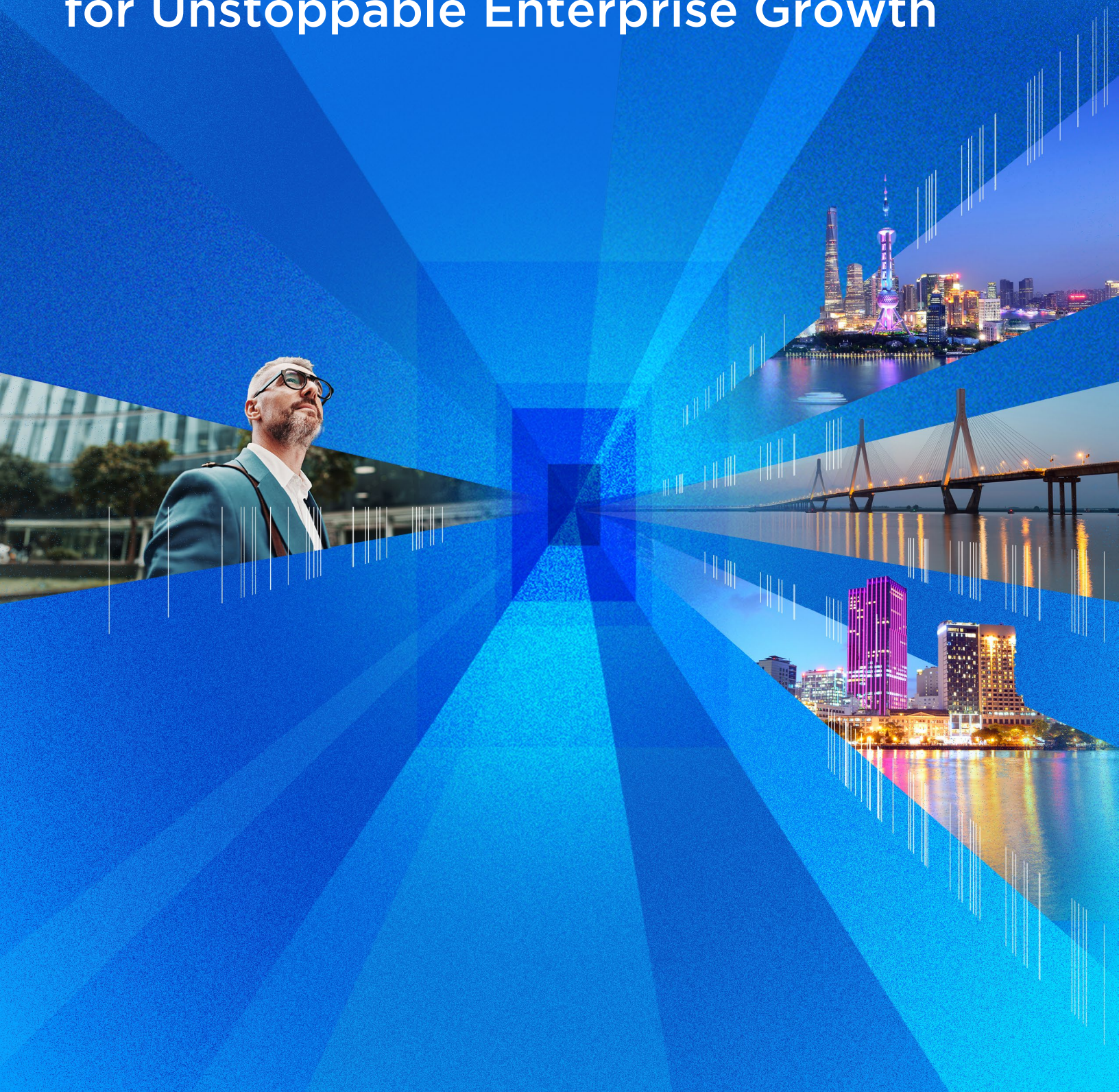


TABLE OF CONTENTS

Can Your Network Keep Pace with the Speed of Global Markets?	3
Enterprise Use Cases	4
The Network Fabric. Making Unstoppable Possible.	5
How Tata Communications Creates Enterprise Value	8
From Bottleneck to Breakthrough	9
The Network. To Be Unstoppable.	10

CAN YOUR NETWORK KEEP PACE WITH THE SPEED OF GLOBAL MARKETS?

For US enterprises, global expansion increasingly hinges on the network. Yet too often, the very providers meant to enable growth in emerging markets become the barrier instead.

The pattern is familiar: instead of building intelligent, adaptive infrastructures, providers fall back on overprovisioning bandwidth or keeping enterprises tied to legacy networks that cannot support cloud-first, borderless operations. The result? Networks that are costly, rigid, and blind to the strategic demands of the enterprise.

That competitive frontier has shifted. The question isn't how much bandwidth you can buy, it's how intelligently your network can anticipate disruption, scale with ambition, and turn global complexity into competitive advantage.

Enterprises that answer this question with smarter, more resilient infrastructures will define the next era of borderless growth. Those who do not risk being constrained by the very systems meant to set them free.

That is where Tata Communications provides a different path forward.

Building the Backbone of Borderless Enterprises

Transforming the network from constraint to catalyst

Every transaction, every collaboration, every customer moment runs on networks. Slow, fragmented, or insecure networks derail expansion, block innovation, and create compliance risk.

80% of US multicloud enterprises face cross-border connectivity and compliance challenges in APAC (Gartner, 2024).

41% of enterprises say hourly downtime costs \$1 million to over \$5 million (ITIC, 2024).

Simply put: the network is no longer just infrastructure. It is the foundation of global agility.

THE NEW GLOBAL REALITY

Competing in an era of volatility and growth

US enterprises are being pulled in two directions. Inflation, geopolitics, and fragile supply chains drag them back. Yet Asia, the Middle East, and Africa pull them forward. The International Monetary Fund (IMF) projects emerging markets will generate 60% of global GDP growth through 2030.

That's not a side story. That's the growth story.

But growth cannot come at the expense of resilience. Enterprises are expected to move fast, scale globally, and innovate constantly. Networks too often become obstacles, rigid, fragmented systems that can't keep pace. Add the regulatory hurdles of markets like China, Vietnam, and Brazil, and progress slows to a crawl.

90% of executives reported experiencing supply chain challenges in 2024, underscoring that disruption remains the norm rather than the exception (McKinsey, 2024).

The challenges are real: expanding into India or China while navigating compliance ambiguity; building data centres in APAC without sacrificing performance; ensuring Global Capability Centres (GCCs) in Eastern Europe operate like US headquarters; and connecting workloads seamlessly across multiple clouds. These are not theoretical hurdles. They are boardroom imperatives.

US enterprises are resilient by design. But resilience today demands something new: the ability to grow across borders with speed while remaining compliant, cost-efficient, and always on.

ENTERPRISE USE CASES

Adaptive for seamless adoption

Expansion into Emerging Markets

India, Vietnam, and China represent enormous opportunities, but also pose significant risks. Regulatory uncertainty, last-mile reliability gaps, and unpredictable costs often delay market entry. Tata Communications addresses these challenges with in-market infrastructure, regulatory expertise, and secure cross-border connectivity. This enables enterprises to expand with confidence and speed.

Operations in Regulated Markets

In regions such as the Middle East and Africa, strict data residency laws add significant complexity to operations. The potential risks tied to cross-border data transfers are steep. **In 2023, for example, Meta was fined about US \$1.3 billion for transfer violations.** Tata Communications helps enterprises navigate this landscape, ensuring secure and compliant operations through deep regulatory expertise and trusted local partnerships.

Regionalised Vendor Strategy

McKinsey's 2024 survey reveals that **60% are regionalising their supply chains to bolster resilience.** CIOs are actively seeking a regional specialist with deep access, skill sets, and relationships in specific geographies. For more adaptable, risk-aware infrastructures, Tata Communications combines a globally integrated network fabric with in-region intelligence and presence that enhance resilience while driving performance.

Global Cloud Connectivity

Gartner predicts that **90% of organisations will adopt a hybrid cloud approach** through 2027. Seamless workload integration across AWS, Azure, Google Cloud, and Oracle is a strategic necessity. Tata Communications delivers a multi-cloud backbone that connects data centres, headquarters, branches, and edge environments globally, ensuring consistent and predictable experiences.

Offshore Office and GCC Connectivity

Global Capability Centres (GCCs) in India and Eastern Europe have become essential for cost optimisation and R&D. However, these centres often struggle with high-latency connections back to US headquarters. Tata Communications provides ultra-low-latency and secure backbone integration, ensuring GCCs perform at HQ standards.

AI and Automation in Network Management

As networks scale, complexity grows exponentially. **By 2026, 30% of enterprises will automate more than half of their network activities, according to Gartner.** Tata Communications integrates AI into its Digital Fabric, offering predictive analytics, anomaly detection, and automated failover capabilities. This reduces sprawl and empowers IT teams to focus on innovation rather than firefighting.

Data Centre Expansion in APAC

The demand for data centres in the APAC region is outpacing supply, making future-proofing a necessity. Tata Communications supports enterprise Data Centre (DC) strategies with low-latency routes, AI-ready connectivity, and compliant infrastructure designed for seamless integration with hyperscalers like AWS in India.

THE NETWORK FABRIC. MAKING UNSTOPPABLE POSSIBLE.

IZO™ CORE CONNECTIVITY

Powered by a global Tier-1 backbone, IZO™ Core Connectivity solutions deliver enterprise-grade connectivity with unmatched reliability, scale, and performance. Spanning 190+ countries and seamlessly integrating with local access providers, it underpins hybrid and multi-cloud strategies while ensuring mission-critical workloads run smoothly with strict SLAs for latency, jitter, and packet loss.

IZO™ Global VPN

A secure, private network service that connects global offices, data centres, and clouds over Tata Communications' Tier-1 backbone for predictable performance and enterprise-grade reliability.

Private, Secure Connectivity

Ensures end-to-end data protection with encrypted tunnels and traffic isolation.

Consistent Performance

Delivers assured bandwidth and low-latency connectivity backed by global SLAs.

Flexible Access Options

Supports multiple access technologies to connect diverse enterprise sites and workloads.

Centralised Management

Offers unified visibility and control for configuration, monitoring, and reporting.

Cloud-Ready Integration

Connects easily with public and private cloud environments for hybrid enterprise architectures.

IZO™ Internet Access Service

A high-performance, enterprise-grade Internet service built on Tata Communications' global Tier-1 IP backbone, designed for reliability, scalability, and reach.

Expansive Global Network

Leverages one of the world's largest IP networks for consistent, high-speed connectivity.

Enterprise-Class SLAs

Provides guaranteed service levels for uptime, latency, and packet delivery.

Scalable Bandwidth

Offers flexible capacity options to meet growing digital and cloud demands.

Secure and Stable Access

Incorporates DDoS protection and proactive monitoring to ensure network integrity.

Optimised for Cloud and Collaboration

Delivers low-latency paths to major cloud and content providers.

Simplified Operations

Streamlines provisioning, billing, and support under a single global framework.

IZO™ Private Line

A dedicated, point-to-point network service that delivers high-capacity, low-latency connectivity for mission-critical enterprise applications.

Dedicated Bandwidth

Provides uncontended, high-performance connections between sites and data centres.

Low Latency and Jitter

Enables real-time applications, trading, and data replication with consistent performance.

Global Availability

Connects major business hubs worldwide through Tata Communications' extensive backbone.

High Security and Reliability

Eliminates exposure to the public Internet, ensuring predictable and secure data transport.

Flexible Capacity Options

Supports a wide range of bandwidths to match evolving enterprise requirements.

Fully Managed Service

Includes proactive monitoring, fault resolution, and performance reporting for peace of mind.

IZO+™ NEXT-GEN CONNECTIVITY

IZO+™ Next-Gen Connectivity delivers a fully managed, cloud-native network fabric that unifies, secures, and accelerates enterprise connectivity worldwide. Seamlessly integrating across hybrid and multi-cloud environments, it simplifies management with a single intelligent platform for visibility, security, and performance analytics.

IZO+™ SD-WAN

A fully managed, cloud-native SD-WAN solution powered by Cisco®, designed to replace legacy architectures with agile, application-aware, and globally scalable networking.

Global Scale

Orchestrates over 90 curated ISP partnerships across 150+ countries, seamlessly integrating local broadband with Tata's Tier 1 IP backbone

Global Reach and Performance

Delivered over Tata's MPLS and Tier 1 backbone, with availability across 160+ countries

Trusted Provider

Demonstrates strong leadership recognised in the Gartner® Magic Quadrant for Global WAN Services and multiple industry awards

IZO+™ Multi-Cloud Connect (MCC)

A software-defined, multi-cloud interconnect service that simplifies cloud complexity via on-demand provisioning, reliable performance, and unified management across cloud ecosystems.

Rapid Deployment

Cloud connections can be set up in under 10 minutes

Cost Savings and Performance

Offers ≥ 25% cost reduction in cloud egress, 99.99% SLAs, and sub-2 ms latency via proximity to cloud provider nodes

Unified Control and Flexibility

Enables real-time provisioning, pay-as-you-grow pricing, virtual network functions, and end-to-end visibility for easier operational control

Recognised Leader

Particularly effective in handling site-to-cloud, DC-to-cloud, and cloud-to-cloud connectivity, backed by analyst recognition from Frost & Sullivan and IDC

IZO+™ Internet WAN

As the world's first predictable end-to-end internet for business and cloud, this is a managed, enterprise-grade global internet solution that delivers predictable, cost-efficient connectivity with end-to-end SLAs.

Dependability

Offers deterministic routing, faster restoration, and consistent application performance globally, even with broadband access

Operational Excellence

Boasts 99.8% zero-risk "first-time-right" deployments, accelerates cloud adoption, and optimises critical SaaS apps via Cloud OnRamp

Efficiency

Delivers up to 30% lower total cost of ownership (TCO) and 60% lower latency while supporting unified, agile management, flexible billing, and single-pane visibility

IZO+™ Managed Wi-Fi & LAN

A fully managed, cloud-delivered service that enables scalable, secure wireless and wired connectivity across offices, campuses, and branch sites.

Cloud-Managed Simplicity

Centralised orchestration of Wi-Fi and LAN environments with single-pane visibility.

Enterprise-Grade Reliability

Reduces downtime with proactive monitoring and fault management.

Scalability

Supports flexible expansion for offices, branches, and remote locations.

Security Built-In

Integrates advanced threat detection and segmentation for safer user access.

Operational Control

Provides policy-based management, traffic analytics, and automated updates.

Optimised User Experience

Ensures high-quality performance for collaboration and cloud workloads.

AI-Powered Network Operations

Tata Communications harnesses AI/ML to automate fault management, optimise performance, and elevate the customer experience. Advanced diagnostics auto-resolve 85% of critical faults, while proactive monitoring detects anomalies, correlates incidents, and enables rapid resolution across partner networks. Combined with automated ticketing and sentiment analytics, it drives faster response, greater reliability, and smarter, more resilient operations.

HOW TATA COMMUNICATIONS CREATES ENTERPRISE VALUE

Three pillars for global advantage

Boundless Reach

With a presence in **190+ countries**, Tata Communications unlocks entry into regulated and hard-to-access markets such as China, Vietnam, and the Middle East

Flawless Performance

99.99% uptime, an intercontinental mesh backbone, and AI-driven resilience deliver consistency across the enterprise footprint

Frictionless Expansion

Cloud-native connectivity and elastic scaling align network costs with business growth

In a Gartner Peer Insights survey (2024), Tata Communications ranked among the top vendors for customer satisfaction in global WAN and cloud connectivity, highlighting its strong combination of performance, compliance expertise, and global reach.



TATA COMMUNICATIONS



FROM BOTTLENECK TO BREAKTHROUGH

The unstoppable network for global manufacturing

A leading US manufacturer faced a major roadblock in its digital transformation: a rigid, expensive MPLS network. While the business was advancing automation and electrification, its legacy infrastructure couldn't deliver the agility or scale needed for IoT, cloud, or real-time analytics.

Partnering with Tata Communications, the company transitioned to IZO™-WAN, a cloud-first, scalable network built for global operations.

Results

- 30–50% lower costs vs. MPLS
- Dynamic routing to optimise performance in real time
- Centralised management for simplified control
- Cleaner technology with less hardware and lower energy use

Global Reach, Local Precision

Tata Communications ensured compliance in complex regions like China while improving uptime with redundant, multi-path connectivity.

Future-Ready

The solution provided a “single pane of glass” view for visibility and reliability, while laying the foundation for AI/ML integration, predictive maintenance, and smarter manufacturing.

By modernising its network with Tata Communications, this manufacturer turned a bottleneck into a growth engine, accelerating transformation, boosting efficiency, and preparing for the future.

THE NETWORK. TO BE UNSTOPPABLE.

10

Driving agility, resilience, and market leadership

Growth waits for no one. US enterprises are under pressure to expand into high-growth regions while navigating compliance, latency, and vendor risks. The network is the foundation for global competitiveness.

As US enterprises face complexity at every turn, Tata Communications flips the equation. With regulatory expertise across the world's most complex markets, we are the trusted partner to de-risk expansion and accelerate growth. More than reactive support or incremental fixes, it's about creating a foundation that anticipates challenges and transforms the network into an unstoppable advantage.

See how Tata Communications helps you
build the network to be unstoppable.

REFERENCES

Forbes, Meta Fined Record \$1.3 Billion For Violating EU Privacy Rules

<https://www.forbes.com/sites/siladityaray/2023/05/22/meta-fined-record-13-billion-for-violating-eu-privacy-rules/>

Gartner, Gartner Forecasts Worldwide Public Cloud End-User Spending to Total \$723 Billion in 2025:

<https://www.gartner.com/en/newsroom/press-releases/2024-11-19-gartner-forecasts-worldwide-public-cloud-end-user-spending-to-total-723-billion-dollars-in-2025>

Gartner, 2024

<https://www.gartner.com/en/newsroom/press-releases/2024-09-18-gartner-says-30-percent-of-enterprises-will-automate-more-than-half-of-their-network-activities-by-2026>

IMF, World Economic Outlook: Regional Prospects, 2024

<https://www.imf.org/en/Publications/WEO/Issues/2024/04/16/world-economic-outlook-april-2024>

ITIC 2024

<https://itic-corp.com/itic-2024-hourly-cost-of-downtime-report/>

McKinsey, Supply Chain Risk Survey

<https://www.mckinsey.com/capabilities/operations/our-insights/supply-chain-risk-survey>