NETWORK SERVICES: AMERICAS REGIONAL CAPABILITIES

The opportunity is waiting for businesses across the dominant **United States, Canada and Brazil** markets to extend success globally.

To achieve high-speed and secure connectivity with customers around the world, you need a network partner that offers proven global reach, flexibility and reliability – to bring your digital transformation to new horizons.

TATA COMMUNICATIONS – YOUR GLOBAL PARTNER WITH A LOCAL TOUCH

Break into new markets and enable a new era of seamless collaboration for your growing business. With Tata Communications as your provider, you gain access to a whole world of connectivity and services, all from a proven partner you can trust.

We are a leading global provider of a New World of Communications™ for enterprises and service providers. Operating the world's largest, wholly-owned subsea cable network, we can connect you to 200 countries and territories around the world, and 60% of the world's cloud giants.

Extensive reach to the Americas – Our reach extends across the entire American continent, from Canada to Argentina, so we can work with you and your customers to reach and grow within these countries

Growing access across the region – We're growing our footprint thanks to ongoing investment and more local partnerships. We are now connected to Brazil through Seabras-1 and have built tthree new PoPs in Jacksonville, Minneapolis and St Louis

Connecting the Americas to the rest of the world – We can enable your customers to access emerging markets in the Middle East, Africa and APAC via fully diverse paths on our wholly-owned cable system

Borderless growth

Powered by 600+ IP and WAN PoPs and 1600 service providers globally, we create borderless growth by expanding your reach across 200+ countries and territories

Accelerate productivity

Powered by nearly 30% of global internet route shares and various business connectivity platforms, we accelerate applications on demand and guarantee privacy and security across global data centers

Boost efficiency

Simple and agile connectivity to 1 million+ Sq. ft. of data center space in 44 locations worldwide and direct connectivity to 10+ leading public and private cloud service providers

Always on-support

4000+ experts spread across 40+ international locations to support you 24/7/365 with whatever you need, to increase productivity of your employees and customers
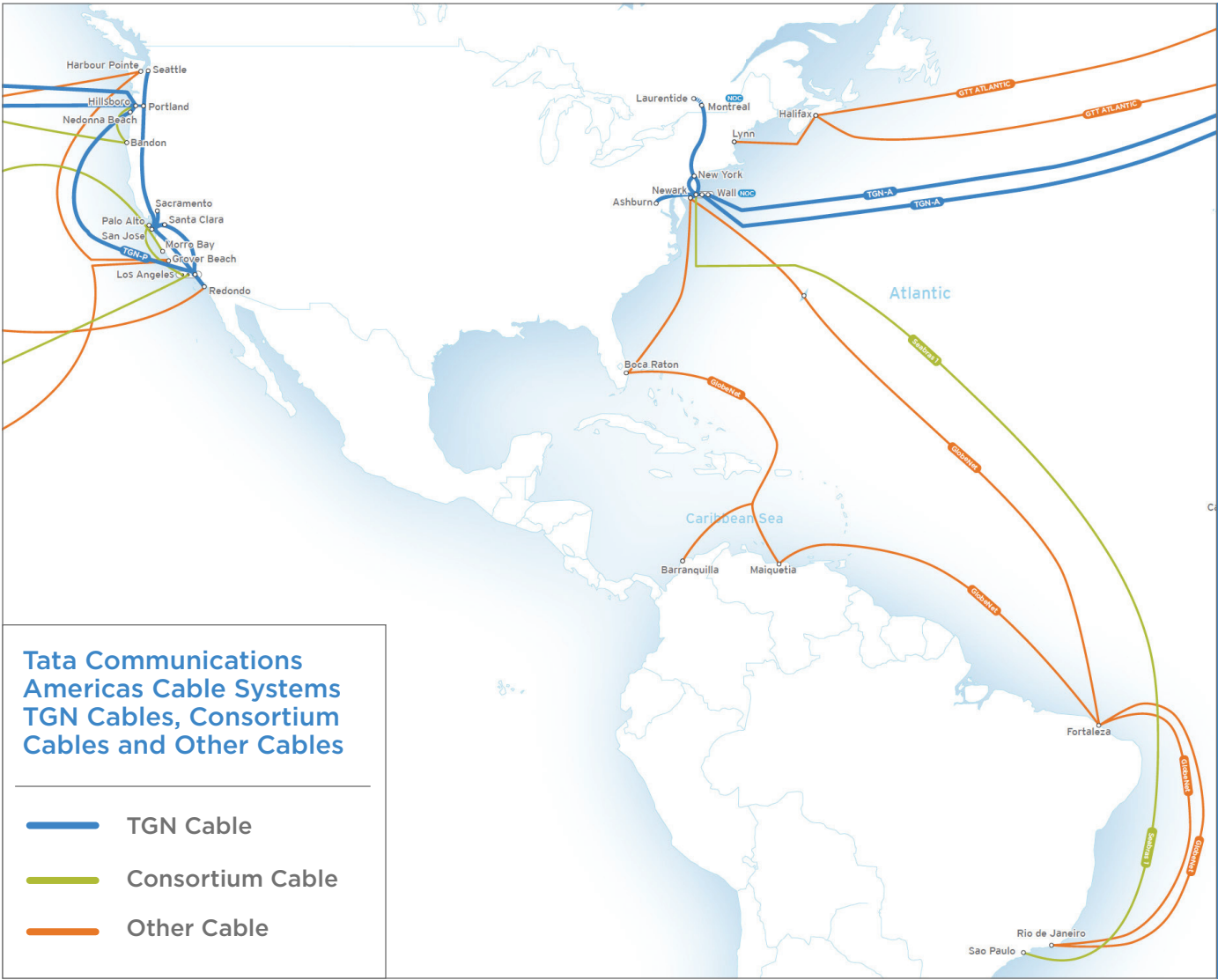
SERVICE POPS IN THE AMERICAS

Our customers have direct access to a global network of over 240+ IP PoPs, 600+ Transmission PoPs, X+ Ethernet / MPLS PoPs in 50+ countries. In the Americas region, there are direct PoPs and also connect via our regional network-to-network interface (NNI) partnerships. We continue to deploy new physical PoPs, NNIs and partnerships to help you connect to even more cities.

Country	City	Ethernet	GVPN	IP	IPL
Brazil	Sao Paulo	1	1	2	1
Colombia	Bogota	-	1	1	-
Canada	Lake Cowichan	1	-	-	-
Canada	Laurentides	-	-	-	1
Canada	Montreal	2	-	2	1
Canada	Pennant Point	1	-	-	-
Canada	Toronto	2	2	2	1
Canada	Vancouver	1	-	1	1
Canada	Weir	1	-	1	-
USA	Ashburn	1	1	1	2
USA	Atlanta	1	1	1	1
USA	Boston	1	1	-	-
USA	Chicago	1	1	1	1
USA	Dallas	1	1	2	1
USA	Denver	1	-	1	-
USA	Hillsboro	1	-	-	2
USA	Houston	1	1	-	-
USA	Laredo	-	-	1	-
USA	Las Vegas	-	-	1	-
USA	Los Angeles	1	1	4	5
USA	Manassas	-	-	1	-
USA	Mcallen	-	-	1	-
USA	Miami	1	1	1	1
USA	New Jersey	-	-	3	-
USA	New York	3	1	5	3
USA	Newark	1	1	2	1
USA	Palo Alto	1	-	-	1
USA	Portland	-	-	-	2
USA	San Francisco	-	-	1	-
USA	San Jose	1	-	1	1
USA	Santa Clara	1	1	2	1
USA	Seattle	2	2	1	2
USA	Wall Township	1	1	2	1

AMERICAS CABLE SYSTEMS

Cable System	Key countries reached in the Americas region	Highlights
TGN-Atlantic (TGN-A)	USA (New Jersey) to United Kingdom	• Two separate, diversely routed cables between the United Kingdom and USA • Circuits to 100G
TGN-Pacific (TGN-P)	USA (Oregon, California) to Japan	• Fully diverse connectivity—Tokyo Portland north path, Tokyo, Los Angeles south path
Seabras-1	USA (New Jersey) to Brazil (Sao Paulo)	• Direct connectivity between Sao Paulo and New York without any interim landings
Faster	USA (Oregon) to Japan	• Enables lower latency and diverse path between Japan and United States

Tata Communications
Americas Cable Systems
TGN Cables, Consortium
Cables and Other Cables

— TGN Cable
— Consortium Cable
— Other Cable

TATA COMMUNICATIONS

The **Tata Communications** global network is the world's largest wholly-owned subsea fiber network - with more than 240,000+ km of subsea fiber and terrestrial fiber. We are the only Tier-1 provider that is in the top five in five continents, by internet routes, enabling nearly 30% of global internet route share.

END-TO-END SERVICES FROM A SINGLE PROVIDER

Our converged infrastructure gives you an extensive range of options – so you can access exactly the service you need to fulfil your business objectives.

GLOBAL VPN

Broad coverage – Over 17 direct access PoPs across US and Canada, 49 PoPs in Latin America via network partners. All connect to our Global VPN which is available in over 101 countries

Greater control – Manage applications across your own – and your customers' – networks for guaranteed application performance and full visibility

Cost effective – Competitive billing gives you more flexibility and better network efficiency

ETHERNET

Access high-speed, flexible and scalable Ethernet services based on a Next Generation Ethernet platform capable of providing enterprises with superior performance and dedicated bandwidth.

Broad coverage – Access the most comprehensive Ethernet portfolio on the market, covering over 55 countries

Greater control – Low Latency Ethernet connects direct to 12 leading global stock exchanges, with guaranteed latency SLA and 24/7/365 latency monitoring

Scalable – Next-generation network enables support for a huge number of VLANS and MAC addresses

Local expertise – Our dedicated team based in North America will help you craft the best solution for your customers

AIR FRANCE KLM

Air France–KLM leveraged our MPLS connectivity solutions to expand to over **170 countries**

Panasonic

Our one-stop network solutions helped **Panasonic** achieve 99.85% uptime, enabling smooth service transactions and customer satisfaction

JLT

JLT implemented our extended connectivity solutions to achieve a site uptime of 99.95% with enhanced security and no downtime

INTERNATIONAL PRIVATE LINE

Protect the most sensitive and mission-critical data with a highly scalable and secure, dedicated private line.

Reliable – Ensure business continuity across cities with our optimized cable network with ultra-low latency and high bandwidth transfers

Fast – 100 Gbps services available on our fully owned fiber cable

IP TRANSIT

Gain a high-speed, secure and reliable internet connection via our Tier-1 global backbone.

Global reach – Over 50+ direct access PoPs across the Americas (USA, Canada and LATAM) connect to our global IP network, capable of delivering up to 100GB ports

Security – Ensure business continuity with our network level security built into our backbone. In addition, you can take advantage of our best-inclass DDoS security solution via our 21 scrubbing farms spread globally for enhanced enterprise security

Cutting edge – Software-defined and Bring Your Own Network (BYON) options fundamentally change the basis of network provisioning, consumption and service differentiation by creating self-optimising and secure zero-touch networks

Network and content density – Get access to diverse content from our network, thanks to our connections to top 5 global content providers, 70% of top 20 content providers and extensive peering partners across the globe

IZO™ Private Connect combined with Azure to provide its customer a unique secure hybrid cloud solution Azure ExpressRoute

Connected its businesses to IZO™ Private Connect to give its customer an end-to-end cloud management with lower TCO and higher resource efficiency

Adopted IZO™ solutions to deliver high performance infrastructure to its global clients. One of its customer saved up to 25% on end-customer billing for all power consumed or sold

IZO™ INTERNET WAN

Combines the security, flexibility and predictability of a private network with the global reach of the Internet. It reaches 39 countries in the Americas, covers over 100 countries and more than 2000 cities worldwide in collaboration with over 48 ISP partners.

Available as a hybrid network, it's an ideal solution for introducing cloud services to your existing IT infrastructure – and for extending your global reach to new markets.

IZO™ PRIVATE CONNECT

Connect to cloud services through a single global provider for consistent network performance. Gain all the benefits of cloud with the security of a private connection over Ethernet and MPLS networks.

Our global agreements connect you to a cloud ecosystem that includes AWS, Microsoft Azure, Google, IBM and Salesforce. And with 38 data centers, four connection sites across North America and one in Sao Paulo, access is readily available.

IZO™ SDWAN

Access our cloud infrastructure to instantly deploy and manage branch oce networks anywhere in the world. We'll help you get virtualized and support your plans for borderless growth, greater productivity and efficiency.

Global reach – Coverage across 41 countries in the Americas and over 150 countries worldwide

Flexibility – Use existing WAN hardware or create a greenfield software-defined WAN

End-to-end service – From assessment and solution design through to transition and migration, from a dedicated team worldwide

IZO™ HYBRID WAN

Integrates IZO™ Internet WAN, GVPN and an innovative application management tool to bring you greater flexibility and business resilience.

Seamless – Consistent access to applications and services across in-house, private cloud and public cloud environments

Single contract – For guaranteed service performance

Global reach – Access 41 countries across the Americas region and over 150 countries worldwide

Secure – Manage business risk with optional IP security across 190 countries including cloud-based antivirus, content filtering, access control, DDoS protection and encryption

ACCESS THE MOST DIRECT CONNECTION FROM NEW YORK TO SÃO PAOLO

We've connected Latin America to our global network backbone, making it easy for global enterprises and carriers to connect a direct data link between New York City and São Paolo financial capitals using Tata Communications' global network and Seabras-1 cable system.

> **Tata Communications'** IZO™ enterprise WAN and cloud enablement platform leverages its extensive global network and the reach of its partner ecosystem to enable global organisations to harness the cloud – be it private, hybrid or public."
>
> **- MELANIE POSEY,** Research Vice President at IDC

LOCAL EXPERTISE, GLOBAL PROVIDER

In a challenging environment filled with opportunity, make the most of your business' potential by partnering with a global leader that has the local expertise to deliver.

Exceptional, responsive service – We take full responsibility for the quality, reliability and performance of all the services we provide anywhere in the world. We're able to rapidly design, engineer and deliver services and capacity tailored to your applications under even the most demanding deadlines

Cutting edge infrastructure – Because we fully own our infrastructure, we're able to consistently deliver superior quality and reliability – helping you carve out a larger market share against tough competition

Innovative business models – We offer forward-thinking ways to do business – so we'll craft a commercial model that suits your enterprise, taking into account everything from managing capital costs to scaling capacity in line with your growth

Strong partnerships – Deploying end-to-end solutions on our own network and working with partners enables you to have a single point of contact. Many customers choose to work with us specifically because of our strong relationships in the world's fastest growing markets

Stability you can count on – Headquartered in Mumbai and Singapore, Tata Communications is a global company with its roots in the emerging markets, with more than 10,500 employees across 40 countries. Our $3 billion company is listed on the Bombay Stock Exchange and the National Stock Exchange of India, and is the flagship telecoms arm of the $108.7 billion Tata Group

OVER 7,000 CUSTOMERS ACROSS THE GLOBE

We support 2,000 service providers and 5,000 enterprise customers from industries such as automotive, manufacturing, IT/ITES, pharmaceutical, energy, insurance, healthcare, telecom, banking, media and entertainment and retail.

In the Americas, our customers include Cognizant, Visteon Corporation, TNS, Asian Television Network, Marriott International, Fareportal and Client Instant Access.

> "With **IZO™** Private Connect our cloud traffic is carried with the speed and security we already get from our Tata Communications Global VPN service."
>
> **Cognizant**
>
> **- Manohar Vellaiyan,**
> Senior Director,
> Network and System Services

> "**Tata Communications** cloud based media ecosystem will arm us with the ability to accelerate time to market, reduce operating cost and bring a rich content experience to viewers across the globe."
>
> **ATN**
>
> **- Dr. Shan Chandrasekar,**
> President and CEO

TATA COMMUNICATIONS FACTS

Over 10,459 employees globally, 14% located outside India and over 40 nationalities represented

Largest wholesale voice carrier, carrying 4 in 5 voice calls globally

2,000 Telcos use our network

85 million of voice transactions handled every day

More than 240,000+ km of subsea and terrestrial fibre

Nearly 30% of the world's internet routes

Connected to the top five content providers, 70% of the top 20 content providers and over 600 peering partners

Operate more than 20 Tbps of IP backbone across five continents

Connected to over 110 data centres and 8 public / private leading cloud service providers on our own network

AN AWARD WINNING PROVIDER

Tata Communications has been positioned as a Leader in **Gartner's Magic Quadrant for Global* Network Services in 2022,** for the Ninth year in a row

Frost & Sullivan 2020 India ICT Awards - Enterprise Telecom Service Provider of the year - Large Enterprises

CC Global Awards 2021 - Won Customer Experience Excellence Award for the second time in a row

*Gartner Magic Quadrant for Network Services, Global, (Neil Rickard, Bjarne Munch, Danellie Young, Karen Brown), (22nd February, 2022). Gartner does not endorse any vendor, product or service depicted in its research publications and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

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