

Are your global roaming services still relying on fragile, reactive and legacy carrier services

Do you often need to debate ...



Where are the insights to manage roaming **transitions from 2G-3G to 5G networks** and build new services?

How do we **tap the data intelligence** to support increasingly **advanced new Human-to-Human (H2H) and Machine-to-Machine (M2M) use cases?**





How do we **create capacities** to manage **explosion of roaming data consumption** across geographies?

How do we mitigate the **threat of platform services disruption**, while **adopting new business models** and create **'Roam like home' experience?**



Tata Communications' Carrier Mobility Services resilient, intelligent and future-ready platform



Managed services
Orchestrated to enable hassle free roaming business management

Roaming agreement management

Testing services

Clearing services

Hosted services

API platform



Value added suite
Designed to create and utilise real time intelligence

Enhanced roaming security solutions

Enhanced roaming reporting solution

Intelligent identity validation services

Intelligent roaming user management

Intelligent conversion solutions



Connectivity services
Built to address roaming data complexities across 2G - 5G networks

IPX Data roaming

Signalling data

A global powerhouse backed by 150-year-old Tata Group



Tata Communications
A trusted global partner



End-to-end mobility solutions with 24x7 global support

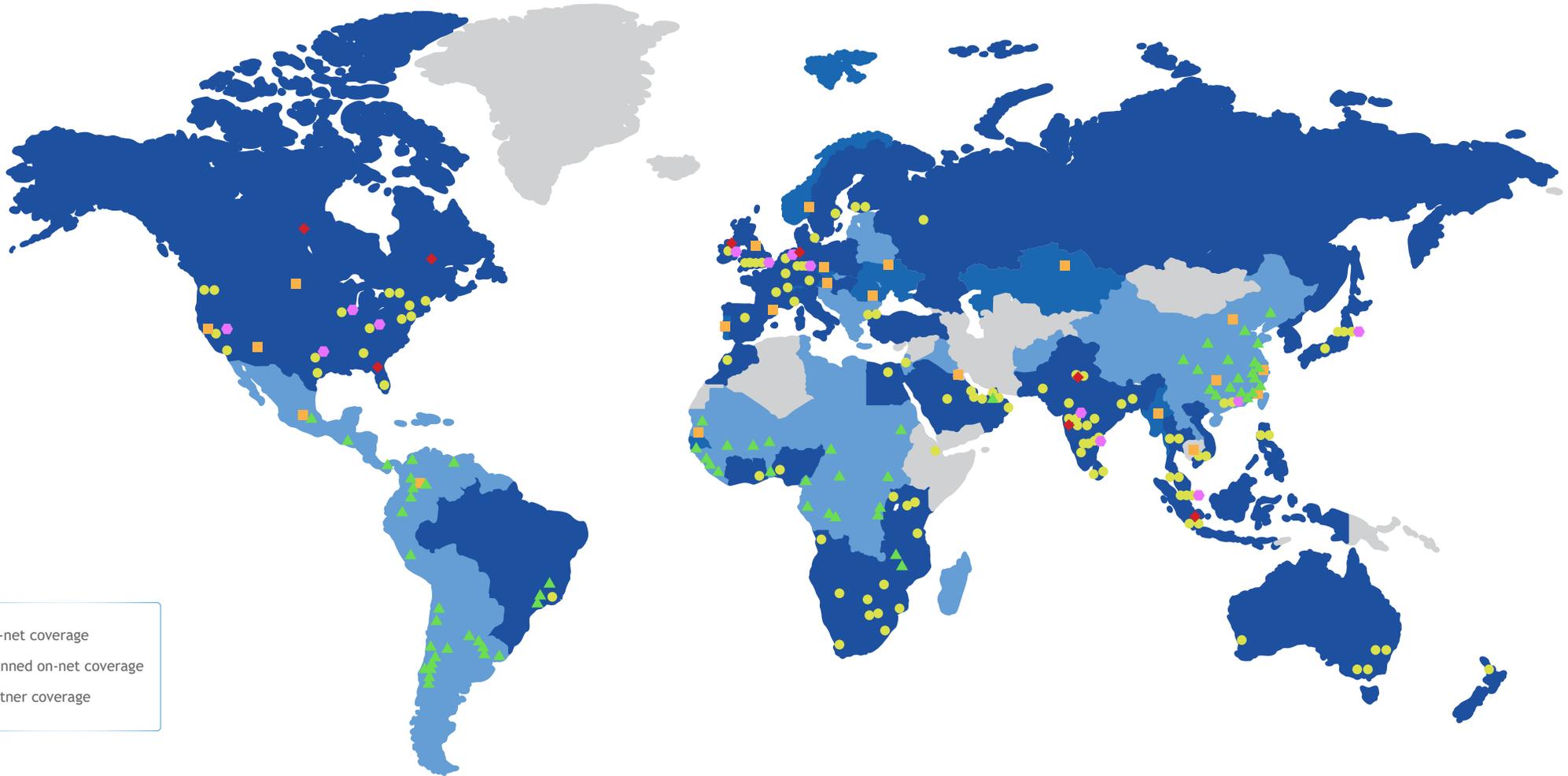
One of the world's largest digital and subsea networks powering seamless 2G-5G roaming



Connects 4 out of 5 mobile subscribers worldwide for signalling, roaming and messaging

Award-winning leader in global mobility & IPX excellence, recognised by ROCCO, Juniper Research and Kaleido Intelligence

Strong borderless infrastructure



- On-net coverage
- Planned on-net coverage
- Partner coverage

AMERICAS			EUROPE			AFRICA AND MIDDLE EAST			INDIA		ASIA PACIFIC			
● MPLS PoP	■ Planned MPLS PoP	▲ Partner MPLS PoP	● MPLS PoP	■ Planned MPLS PoP	▲ Partner MPLS PoP	● MPLS PoP	■ Planned MPLS PoP	▲ Partner MPLS PoP	● MPLS PoP	■ Planned MPLS PoP	▲ Partner MPLS PoP	◆ IZO™+ private hub	◆ Signaling PoP	
● Ashburn	● Houston	■ Phoenix	● Amsterdam	● Geneva	● Manchester	▲ Accra	▲ Doha	▲ Kampala	● Ahmedabad	● Hyderabad	● Auckland	▲ Ho Chi Minh	● Melbourne	
● Atlanta	● Los Angeles	● Santa Clara	■ Astana	▲ Helsinki	■ Marseille	▲ Cairo	▲ Dubai	▲ Kuwait	● Bangalore	● Kolkata	▲ Bangkok	● Hong Kong	● Naypyidaw	
■ Bogota	■ Mexico city	● São Paulo	● Brussels	● Highbridge	■ Milan	▲ Cape Town	▲ Durban	▲ Lagos	● Chennai	◆ Mumbai	■ Beijing	▲ Jakarta	● Osaka	
● Boston	● Miami	● Seattle	■ Bucharest	▲ Istanbul	● Moscow	▲ Casablanca	▲ Fujairah	▲ Luanda	● Delhi	◆ New Delhi	● Colombo	▲ Karachi	● Perth	
● Chicago	◆ Montreal	■ Silicon Valley	● Budapest	■ Kiev	● Munich	■ Dakar	▲ Gaborone	▲ Manama	● Ernakulam	● Pune	▲ Dhaka	▲ Kuala Lumpur	■ Phnom Penh	
● Dallas	◆ New York	◆ Toronto	● Copenhagen	■ Lisbon	● Oslo	▲ Dar-es-Salaam	▲ Harare	▲ Muscat			■ Guangzhou	▲ Manila	▲ Seoul	
■ Denver	● Newark		● Dublin	◆ London	● Paris	▲ Djibouti City	▲ Johannesburg	▲ Nairobi					◆ Singapore	
			◆ Frankfurt	● Madrid	■ Prague									● Sydney
														● Taipei
														● Tokyo