



Tata Communications in Private 5G Networks

Vishy Ramaswamy

January 2022

TATA COMMUNICATIONS

We are Tata Communications

A digital ecosystem enabler, part of India's multibillion-dollar conglomerate, the prestigious Tata Group.

12,000+

employees
worldwide

37+

diverse
nationalities

200+

countries
of operation

7,000+

customers (including
300 of the Fortune 500)

Providing connectivity to the world

30%

Global internet routes
carried by us

#1

Enterprise data and colocation
services in India

60%

Cloud giants are connected to
their businesses through us

4 of 5

Global mobile subscribers
connected through our network

Leader

In Gartner's Magic Quadrant for
Network Services (Global) 2020 -
8 years in a row

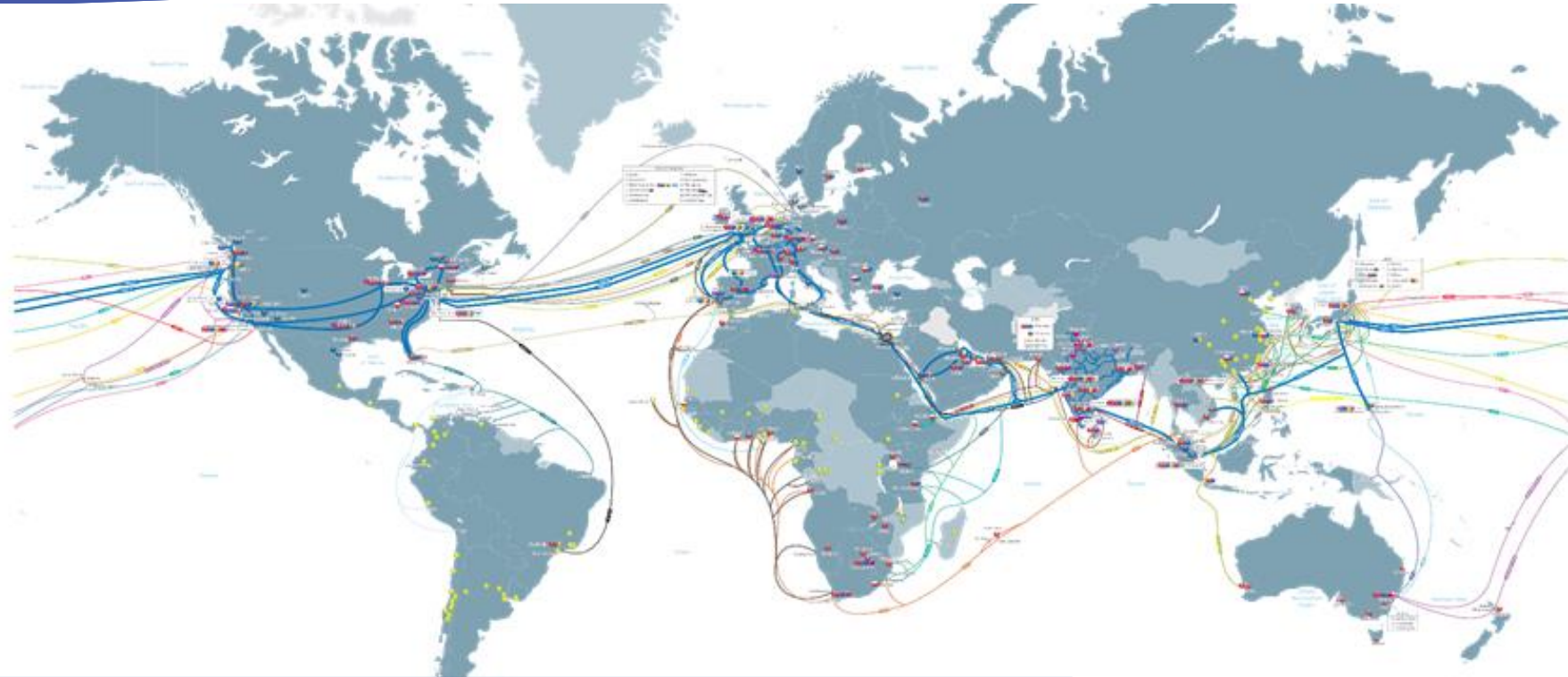
#1

Wholesale voice provider
submarine cable owner
on-net mobile signaling (globally)

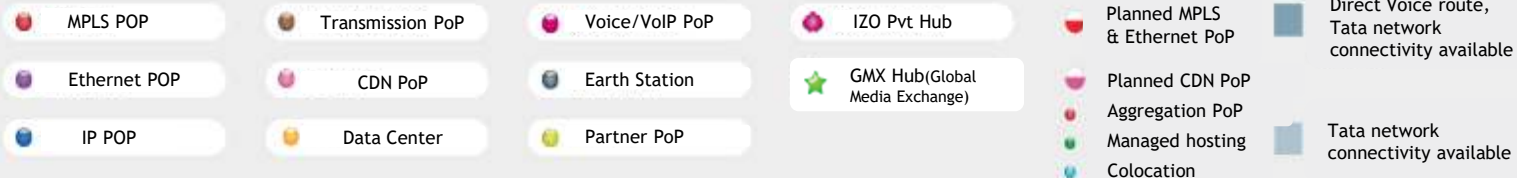
How we do it

Our Globally Local Digital Infrastructure

- Our end-to-end capabilities in servicing and delivery make us a preferred partner for businesses everywhere
- All our platforms and services are underpinned by our global network, the world's largest wholly-owned subsea fibre backbone and a Tier-1 IP network

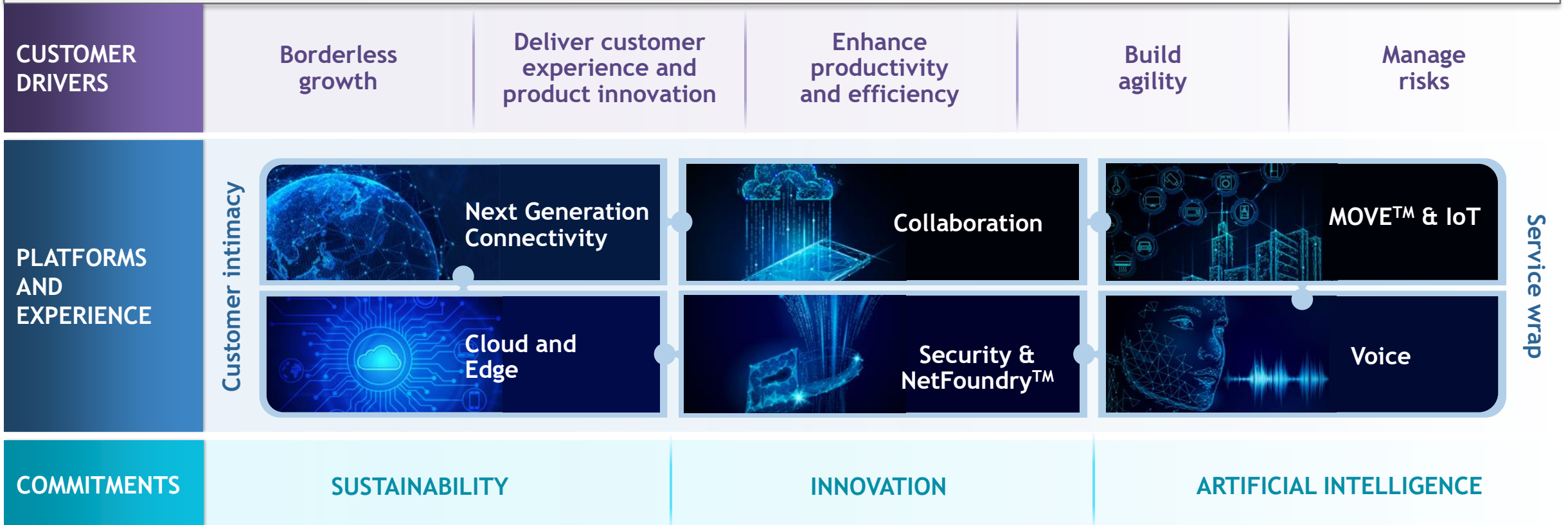


TATA COMMUNICATIONS GLOBAL FOOTPRINT v12.5



Tata Communications as a Digital Ecosystem Enabler







DELIVER A NEW WORLD OF COMMUNICATIONS TO THE INDUSTRY AND OUR CUSTOMERS

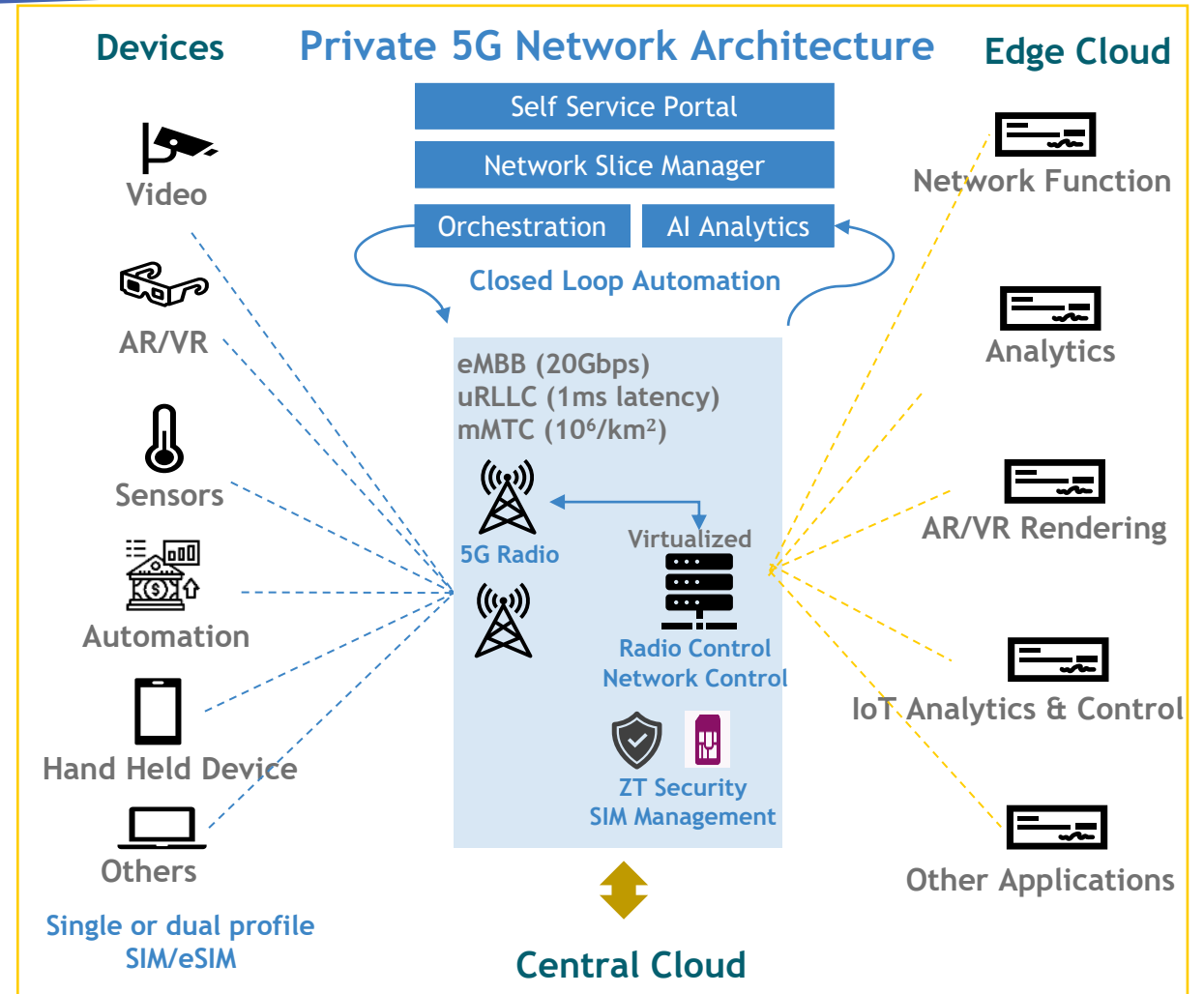


Private 5G Networks

SOLUTION OVERVIEW

Tata Communications Private 5G network is designed to deliver end-to-end flexible, robust, programmable connectivity solution based on advanced technologies like automation, Big Data and IoT and many more.

Value Proposition	Differentiation
 Seamless, low latency, and highly reliable network	<ul style="list-style-type: none"> ➤ Edge Computing - Integrated with Edge Cloud to deploy industry-grade mission-critical applications ➤ SASE - Secured enterprise connectivity and data ➤ MOVE platform integration to enable hybrid/ public network use cases
 End-to-end management of service	
 Zero-touch automation and orchestration	
 Zero-trust security	
Optimized TCO	
 On demand scalability	
 Deployed and managed using our Global footprint	



POTENTIAL USE-CASES



Horizontal Use-cases

- AR/VR based applications
- Drone applications
- Mobility related applications
- Autonomous vehicles
- Asset tracking
- Video surveillance
- Environmental monitoring
- Edge based analytics
- Smart warehousing
- Employee safety
- Predictive maintenance



Manufacturing and mining

- Industrial IoT based automation
- Predictive maintenance
- Automated inspection & quality control
- Industrial robotics & cobots
- Remote operations



In-campus mobility and logistics

- Smart yard management
- Passenger management & safety
- Smart cargo and material transportation
- Remote operations within campus
- Predictive and preventive maintenance



Stadiums and venues

- Video streaming and analytics
- Fan engagement
- Crowd management & safety
- Immersive experience
- Remote production
- Personalized consumption

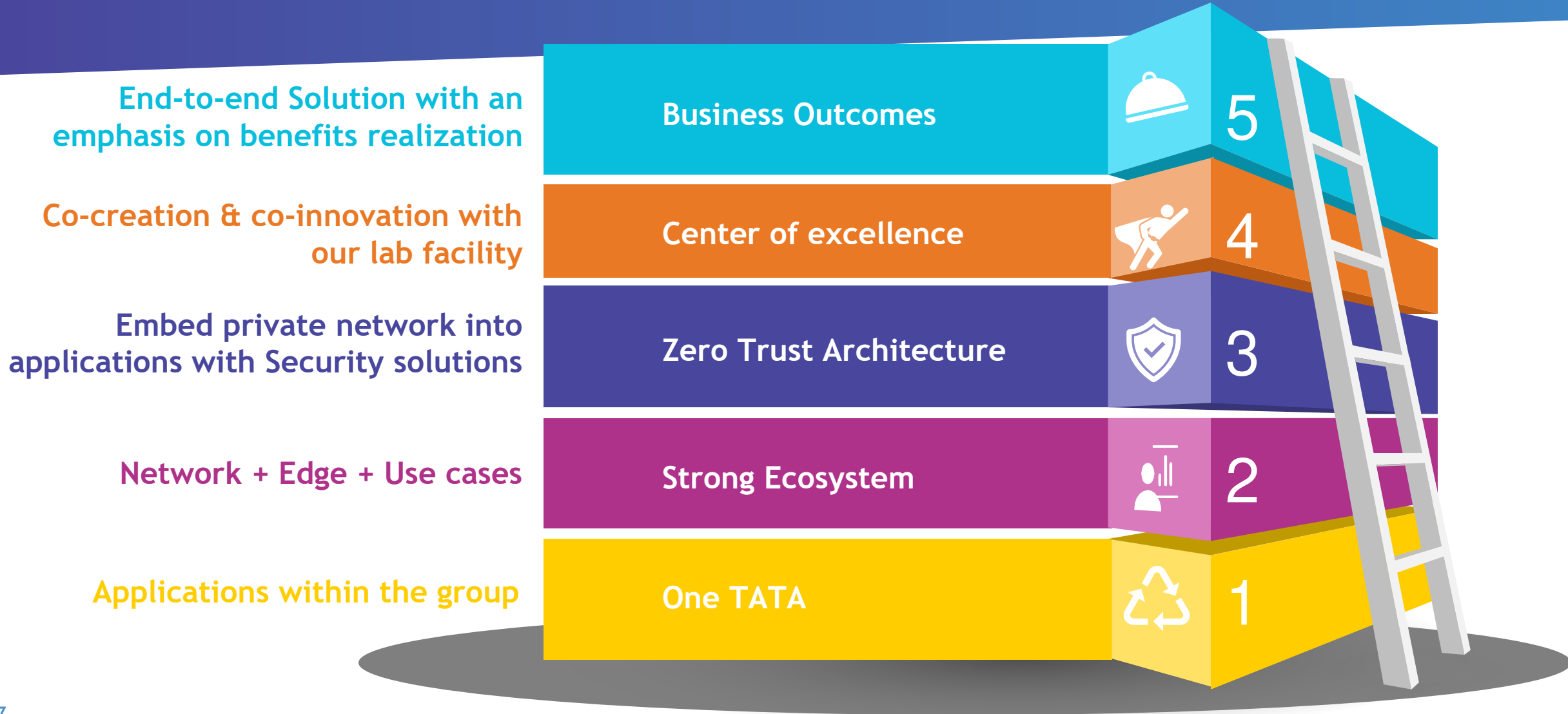


Ports

- Connected Ground Service Equipment
- Smart cargo and material handling
- AGVs and robotics
- Asset tracking
- Preventive maintenance

Private 5G Network

Our Value Additions



THANK YOU

