



Realisation of Throughput

- In the Right Places for Resilient Operations

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11th December 2025

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Communicate without boundaries

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Sectors we serve and successfully deliver to

Government

Connectivity
Digitisation
Cyber Security
E-Gov

Telcos/ISPs

Consultancy
Backhaul
Managed Services
Internet access/ DIA/
IP trunking solutions,
MPLS

Oil & Gas

Connectivity
Data centers
Digitization
Cyber, IoT, OT

NGOs

Connectivity
Data centers
Digitisation

Digitally enabled world, less cost, better efficiency

Automation plus AI requires the right Connectivity

Technology and advanced analytics

- Digital twins
- Dynamic process optimization
- Predictive maintenance and automated workflows
- Lowest latency

Reskilling and capability building

- Broad digital fluency
- Analytics Centre of Excellence
- New ways of collaboration
- Agile ways of working

Technical

The way assets and resources are connected and optimized to create value and minimize losses

Management

Processes and systems managed in support of the operational need

New tools and processes

- Agile, cross-functional teams
- Live dashboards and performance management
- Digital tools for transformation

People

Think and operate individually and collectively

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Enabling Verticals with the right technology

Government

Affordable secure, reliable and scalable

Telco/ISPs

Backhaul , Managed Services, internet access and IP trunking

NGO/Humanitarian

New field offices, local development, disaster relief and proof of life

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Military/Security

Reliable, flexible ease of deployment

Energy

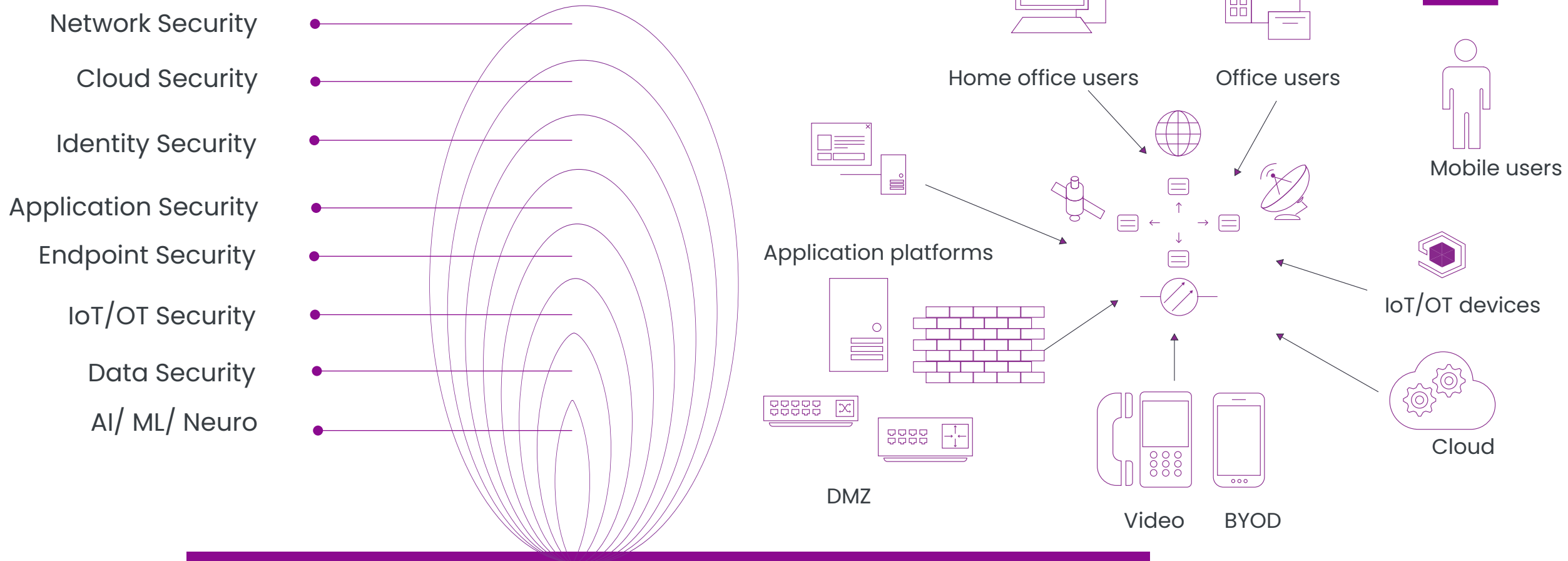
Critical, resilient connectivity for remote sites with corporate HQs and welfare

Enterprise

Business critical low latency and high throughput



Data & AI at the CORE of eco-system



NOW

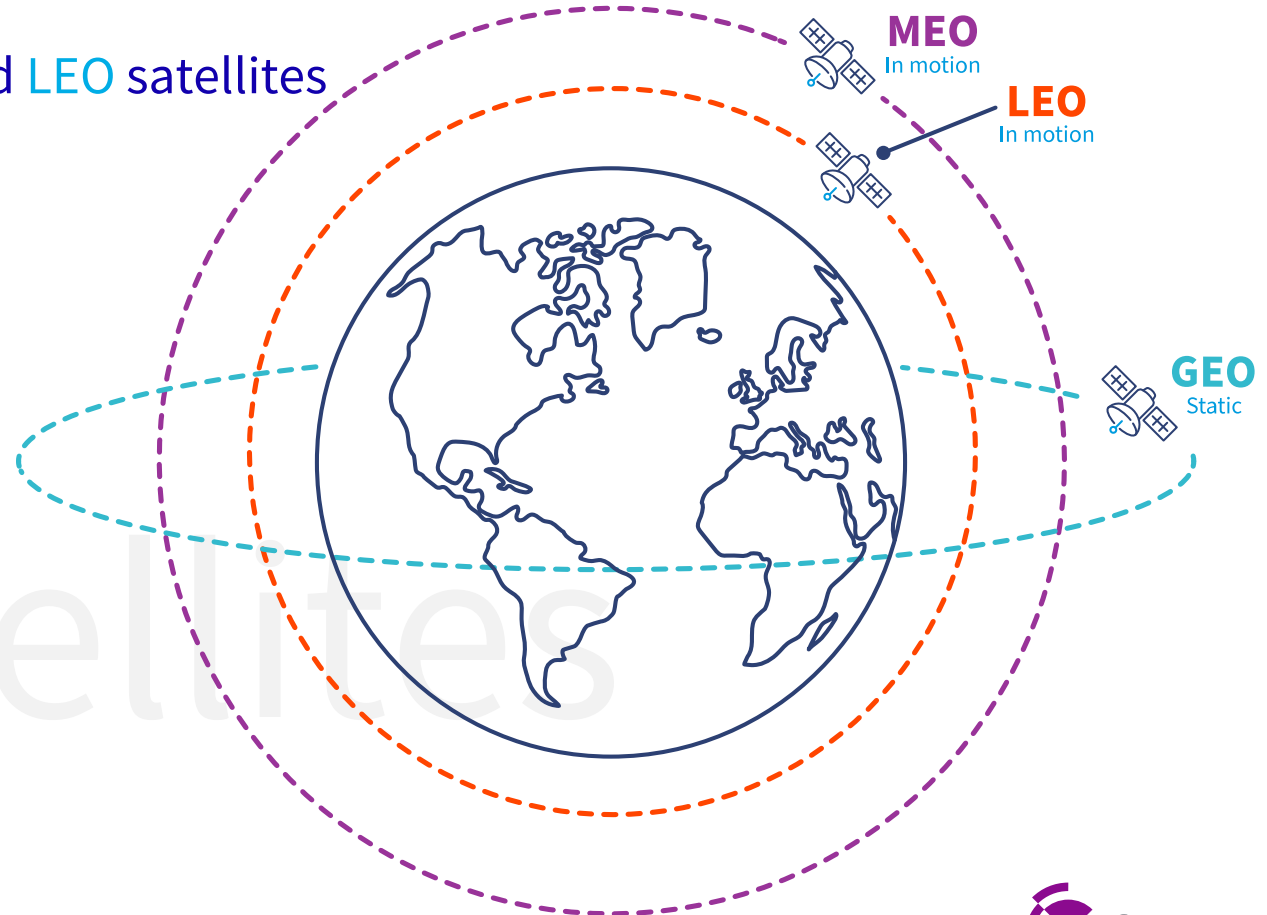
- Centralized security
- AI and ML for Network Configuration
- Customer Hosting and Data Resilience

The power of satellite connectivity

- Our strategic location with access to 200+ geostationary satellites
- 50+ antennas with access to GEO, MEO and LEO satellites

- (GEO) Geostationary Orbit – 600-700 milliseconds
- (MEO) Medium Earth Orbit – 110-130 milliseconds
- (LEO) Low Earth Orbit – 20-25 milliseconds






VLEO and HAPS to come !



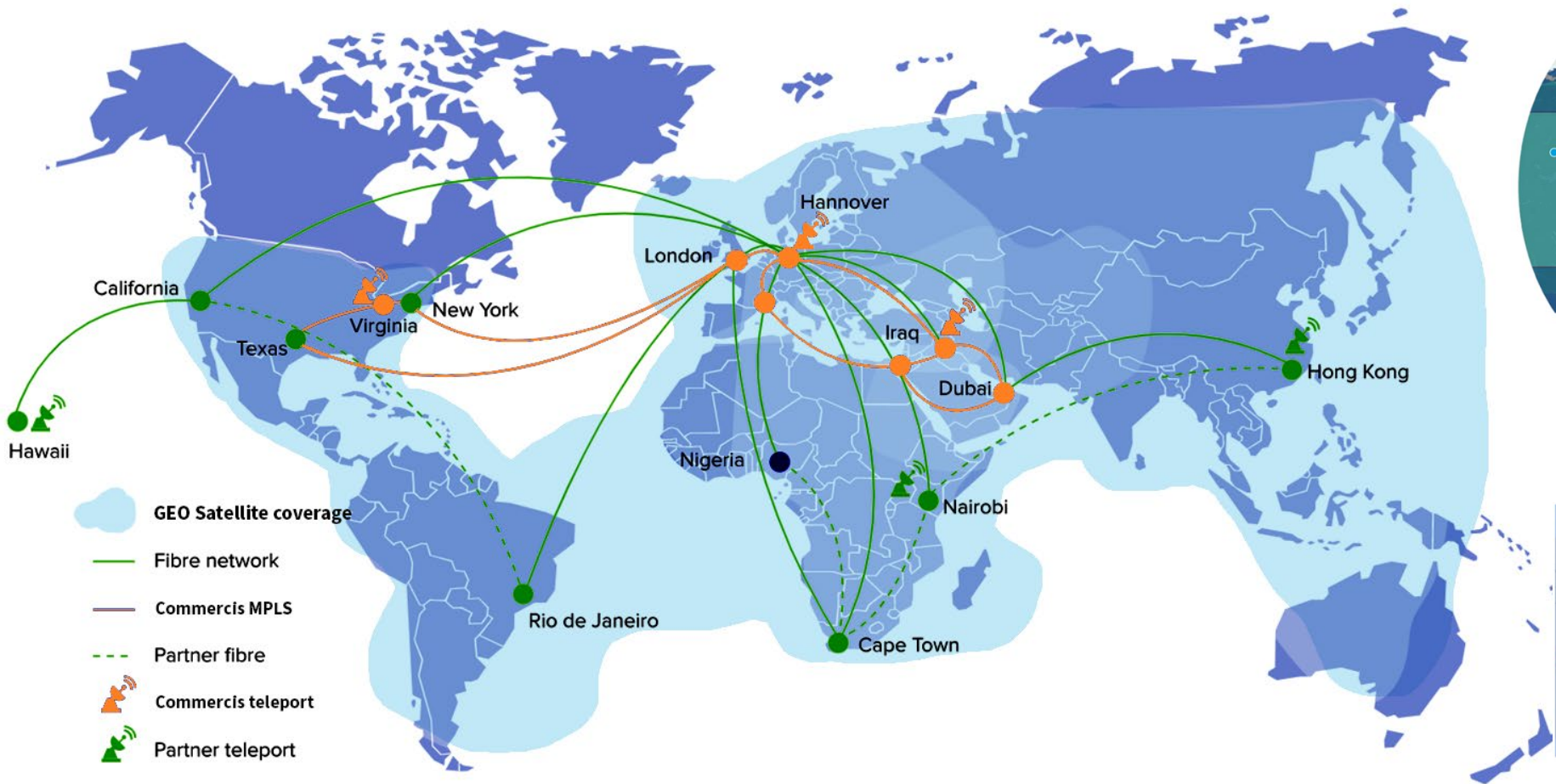
GEO: non-tracked – fixed antenna
MEO and LEO: tracking antennas

Gateway to seamless communication



	Frequency	1-2Ghz	4-8Ghz	12-18Ghz	26.5-40Ghz
 Throughput		Lower			Higher
 Antenna size		Larger			Smaller
 Interference		Less			More
 Spectrum band		Lower			Higher
 Installation cost		Higher			Lower

Our Infrastructure and coverage



Hanover, Germany



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Hanover Teleport and Data Park

Teleport

- 30+ antennas
- Visibility to 200+ satellites
- Cross site fibre connectivity from data centre & NOC to all antennas for data connectivity and remote management and monitoring
- MPLS network for global connectivity

Data centre

- Large and strategically situated
- Caged racks for client servers including existing US Government use
- Office space available
- Covered and uncovered areas available for deployment of modular containerized data centres across the property
- Colocation services

Infrastructure

- Video surveillance, electronic key systems, fire alarm system, fully redundant air conditioning system and a redundant power source and back-up generator
- Strategic location with low electrical noise, power sources, and near industrial/ financial centres
- High speed, high-capacity global connectivity

Single hop connectivity to



Azure



FACEBOOK

Google

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Past – Individual Silos of Connectivity

- Terrestrial Connectivity

Ultra-fast, high-capacity connections, ground-based, stable, and resilient for continuous network performance.

- Satellite Connectivity

Global, reliable, and high-speed, connecting even the most remote locations.

- Microwave Connectivity

High-bandwidth, line-of-sight transmission for urban or rugged environments.

- Hybrid Solutions

Tailored solutions combining layered technologies for maximized flexibility and reliability.

- Satellite Phones

Instant, on-the-go connectivity tailored for field and remote applications.

- Specialist connectivity

SD-WAN, vehicle tracking, telemetry, IoT, voice communications.

Present– Enable Change

From:

- Infrastructure-centric, not service-optimized, with congestion at times of day and manual changes
- inefficiency, high OPEX, SLA gaps

Realising the Benefit of:

- LEO Constellations, with scale and choice, connected to GEO and MEO assets
- Space to Ground laser throughputs, with terrestrial diversity
- Proven Cloud networking and cloud-native technologies
- AI Capabilities reaching maturity and trust
- 3GPP bridges satellite-terrestrial, true interworking
- Integration of legacy GEO infrastructure
- New revenue streams, with premium low-latency, low cost off-peak ,sovereign and disaster resilient services

A Paradigm Shift from static, to dynamic connectivity !

Future– A Global AI Driven Network Fabric

- Service-Optimized Networking
- Real-time, policy-driven routing (speed, cost, and quality)
- A single fabric layer, unifying GEO, LEO, MEO, fibre, 5G, other transport modes
- AI routing, network telemetry enabled
- Central orchestration via SDN/SD-WAN
- AI-powered proactive, not reactive network management
- Sovereignty and resilience
- OPEX reduction
- Active resilience
- Eliminate idle capacity

Enabling the Future

Thank you

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