Beyond the Cloud:
Space-Based Data Storage

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Cloud Constellation

The Information Ultra-Highway™
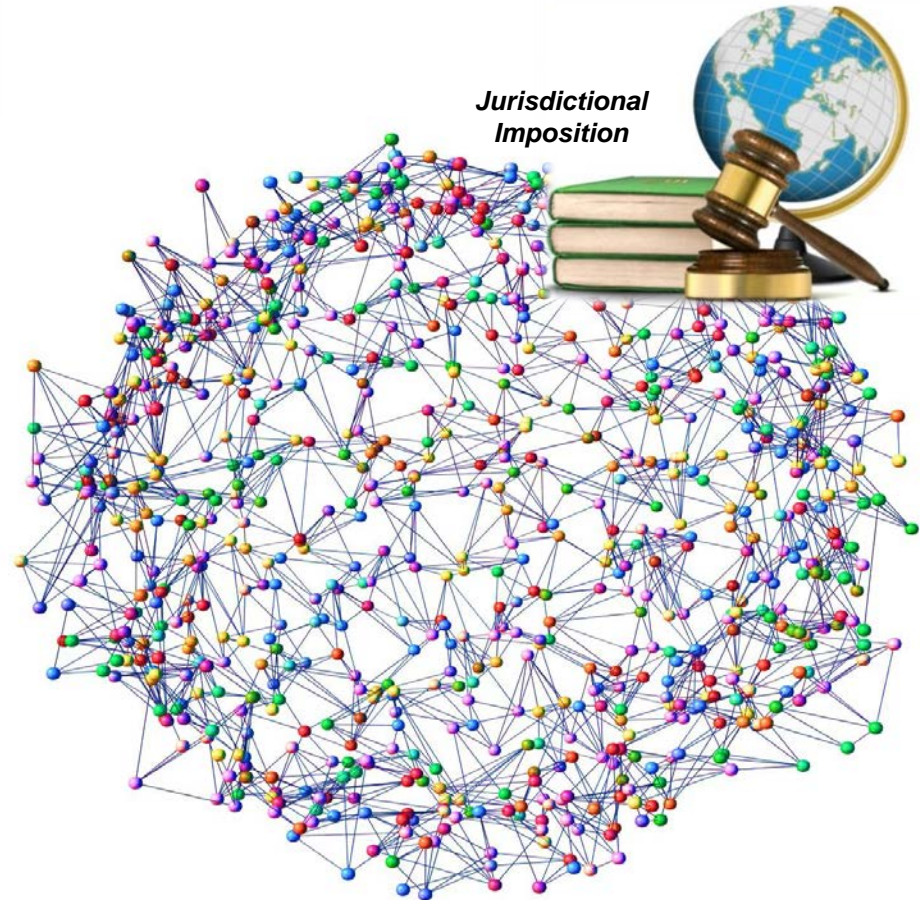
Space-Based Global Cloud Storage Network

Today's Information Super-Highway

Cybersecurity   **Data Loss**
Leaky Networks   **Human Error**
Congestion & Latency   **Jurisdictional Hazards**

Jurisdictional Imposition

Tomorrow's Information Ultra-Highway
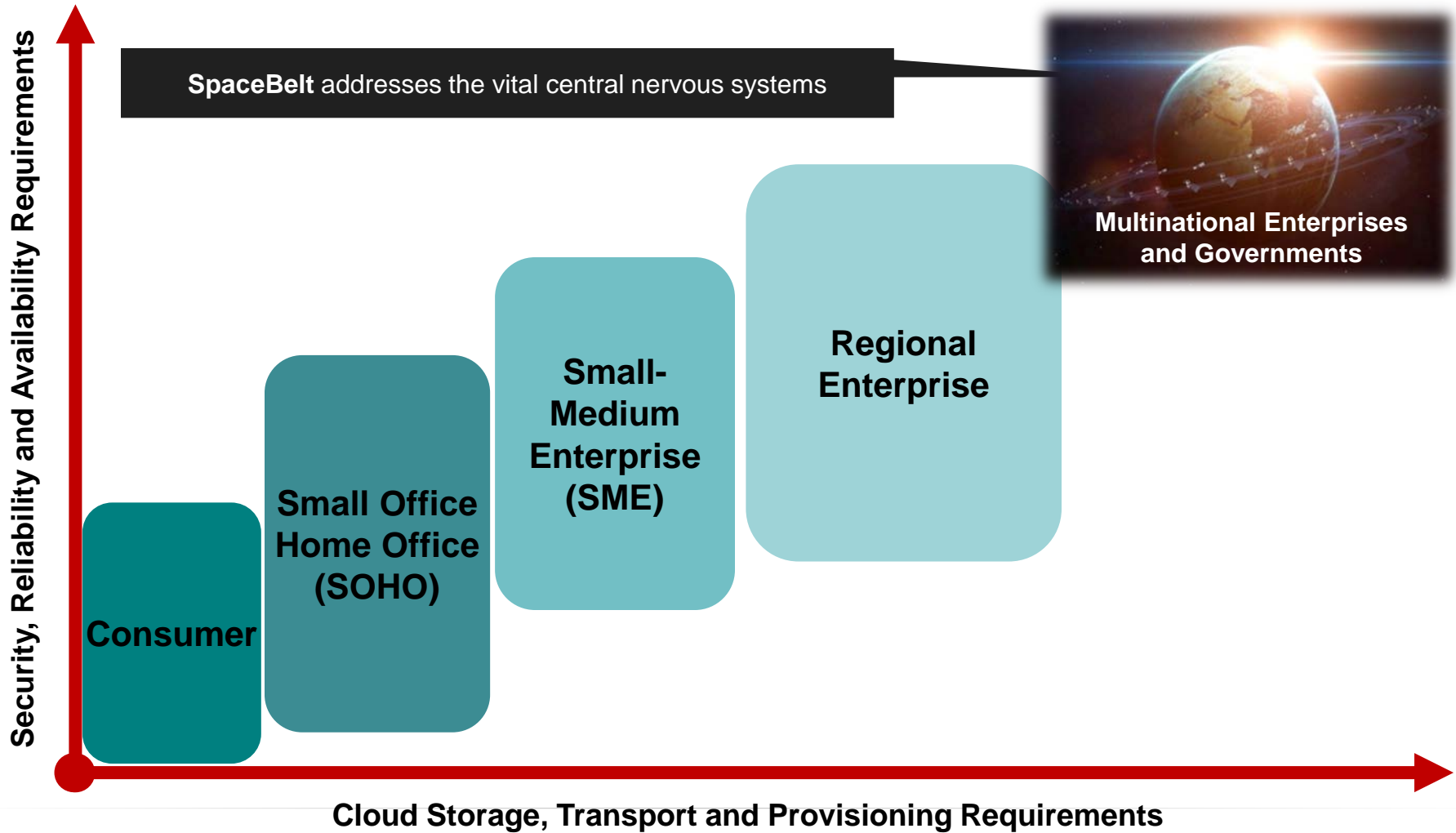
SPACEBELT

The cloud storage network above all others…

Space-based™ data center infrastructure of interconnected satellites, forming an exclusive cloud storage network ring to serve enterprises and governments everywhere.

Securing sensitive, mission-critical, data everywhere.

1. **Patent Pending**

2. **Traffic Decongestant**

3. **Data Expeditor**

4. **Universally Adaptive Global Antenna**

5. **Point-to-Point and Meshed**

6. **Unified Telecom Backbone**

7. **Liberated from Cyber-Hazards**

8. **Solves Jurisdictional Complexities**

9. **Cloud Service Provider Differentiator**

Addressable Market

Security, Reliability and Availability Requirements →

SpaceBelt addresses the vital central nervous systems

Multinational Enterprises and Governments

Regional Enterprise

Small-Medium Enterprise (SME)

Small Office Home Office (SOHO)

Consumer

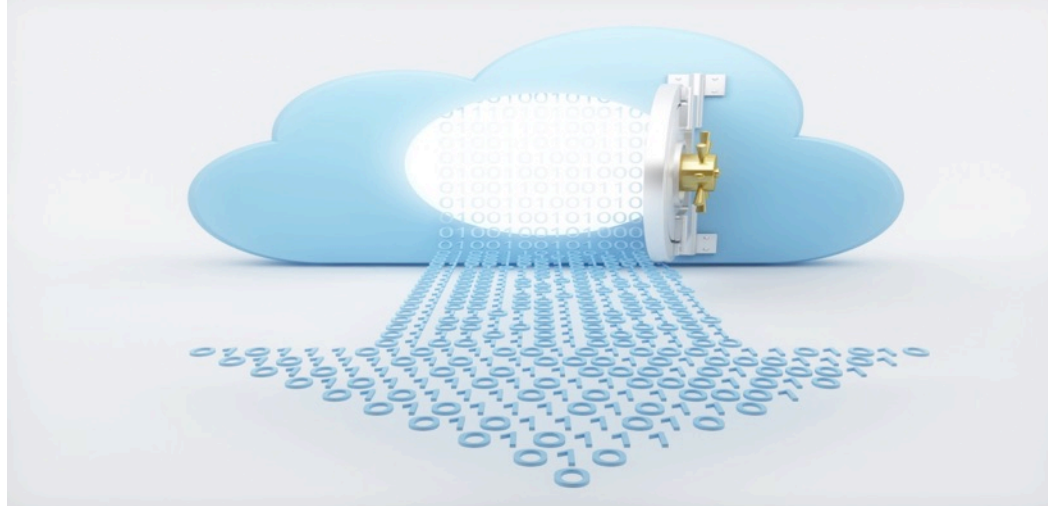**Cloud Storage, Transport and Provisioning Requirements** →

Tata Communications

"Enterprises are subject to local laws governing how and where data is stored, and many [IT Decision Makers] were concerned that data in the cloud could theoretically be held in many different servers across the globe."

Source: Tata Communications 2015 Data Centre and Cloud Services Market Assessment Study – 1000 IT decision-makers from 8 major countries interviewed

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Security and Jurisdictional Control Features

While making the system achievable it became even more capable

Global network ring architecture allows for seamless expansion to accommodate growth

Covering the planet without having to cover it with satellites

Addressing the **Challenges** of Data in Space

- **Transmission speed**

- **Latency**

- **Storage capacity**

- **Heating issues**

- **Atmospheric interference**

- **Supported file structures, object structures, etc.**

- **Compatibility with OpenStack and other typical cloud storage APIs such as AWS**

- **Hemispheric constraints**

Multiple Business Line Applications

Core Business – Global Cloud Storage Network	Ancillary Business Lines – Global Telecom

Cloud Network Infrastructure for Fixed, Aviation and Maritime

Provisioning of Mission-Critical/ Sensitive Data

Bypassing of Leaky Networks

Globally Expedited Data Delivery

Neutral National Data Repository

Mitigation of Jurisdictional Hazards and Complexities

SPACEBELT

Airborne Drone Command, Control and Storage

Regional Traffic Decongestion

Universally Adaptive Global Antenna Radio Frequency Cross-Strapping

Data Computing and Processing

Point-to-Point and Meshed Telecom Backbone

Earth Imaging/Sensing Distribution and Hosting

Enterprise Use-Cases

Bypassing the pandemic cybersecurity crisis to solve a multitude of diverse requirements.

Medical & Pharmaceutical

- Novartis – formulas and research data
- Amgen – formulas and research data
- Hospitals – patient privacy and image archiving
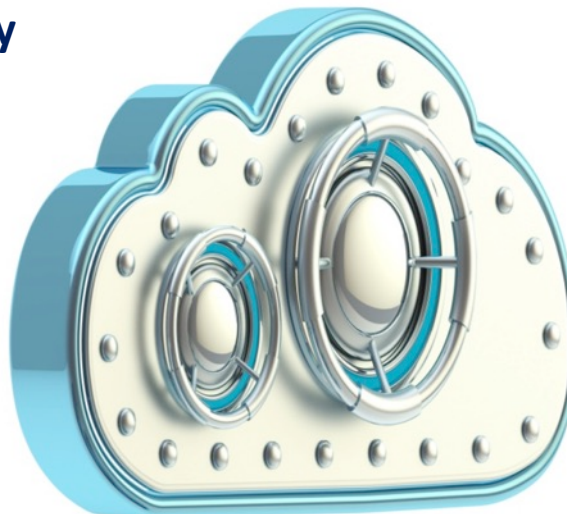
Government & Military

- US State Department – embassies
- US Department of Defense – drones
- Libraries – archiving
- Social Security – archiving
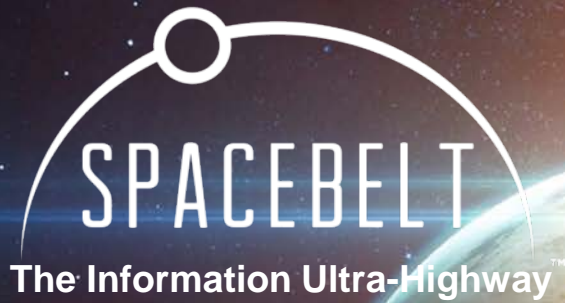- Office of Personnel Management

Energy

- Exxon-Mobil – exploration data
- Shell Oil – exploration data
- Proprietary Research Data

Media

- IBM Video Cloud – Expedited live video delivery
- Netflix – Bypass congested/expensive networks

Insurance

- Anthem – jurisdictional/regulatory
- Cigna – jurisdictional/regulatory

Banking

- HSBC – global operations and jurisdictional
- FedWire – transactional risk
- Bitcoin – protection of cryptocurrencies deposits

Transportation & Utilities

- Airports – ATC Networks
- PG&E – SCADA Networks

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The Information Ultra-Highway™

Thank You

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