

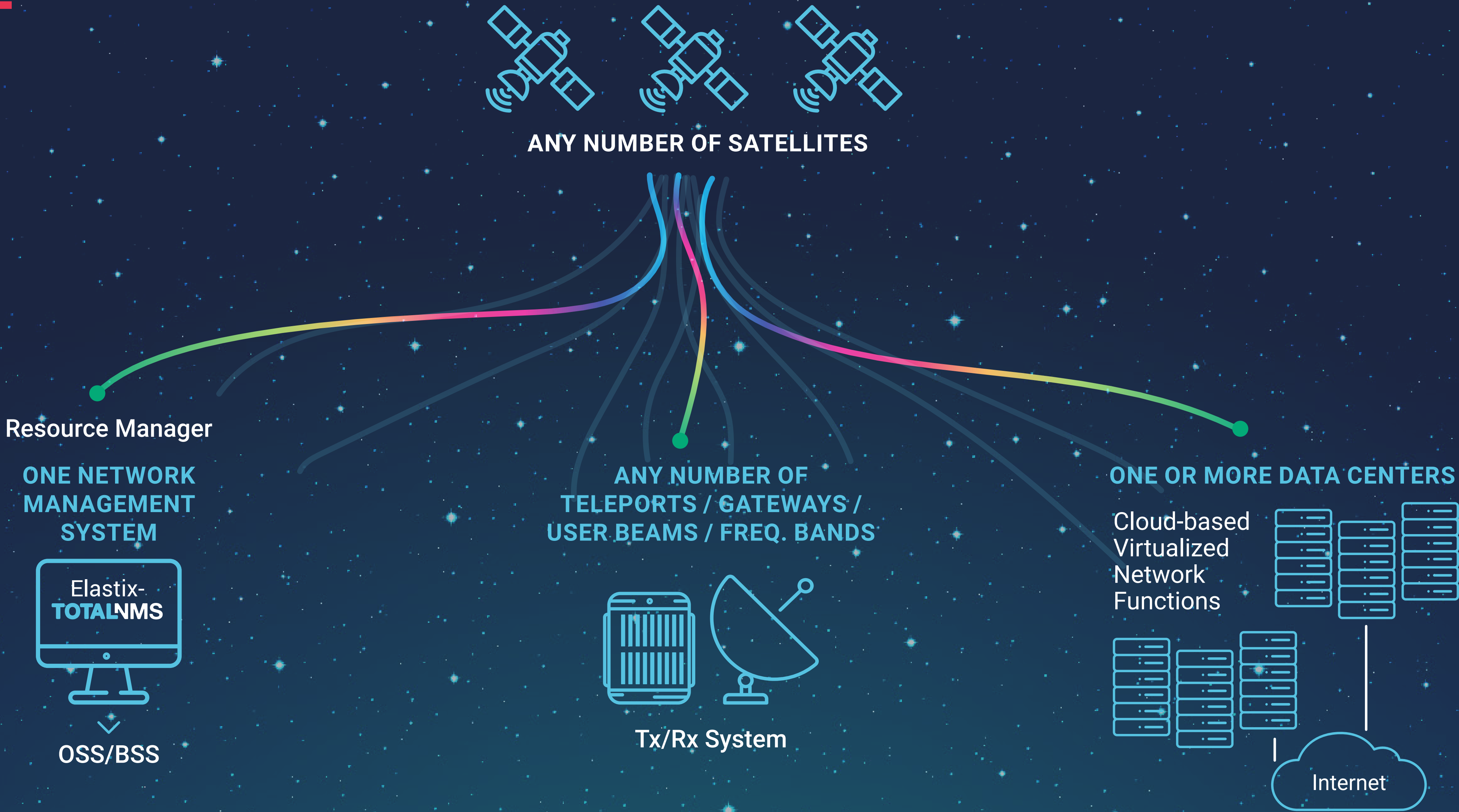


# Elastix- Architecture for

skyedge IV

ground-space harmony

# ELASTIX-ARCHITECTURE FOR SKYEDGE IV



# IV DIMENSIONS OF THE ELASTIX-ARCHITECTURE

Multi-Orbit Satellite  
Constellations



Cloud-Based  
Ecosystem

Software-Defined  
Satellites

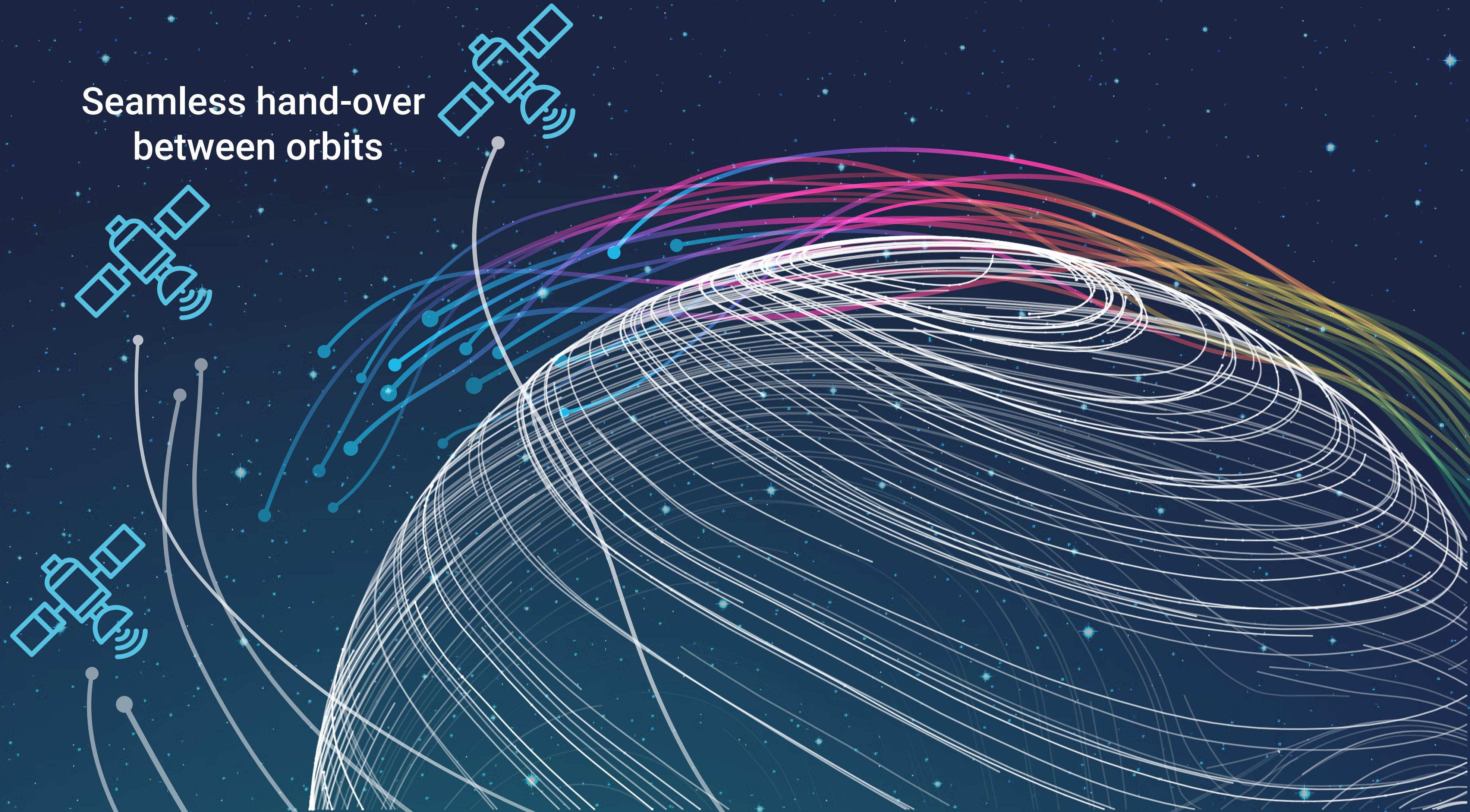
Elastix-  
Access



# MULTI-ORBIT SATELLITE CONSTELLATIONS

LEO-MEO-GEO- VHTS

Seamless hand-over  
between orbits



# CLOUD-BASED ECOSYSTEM

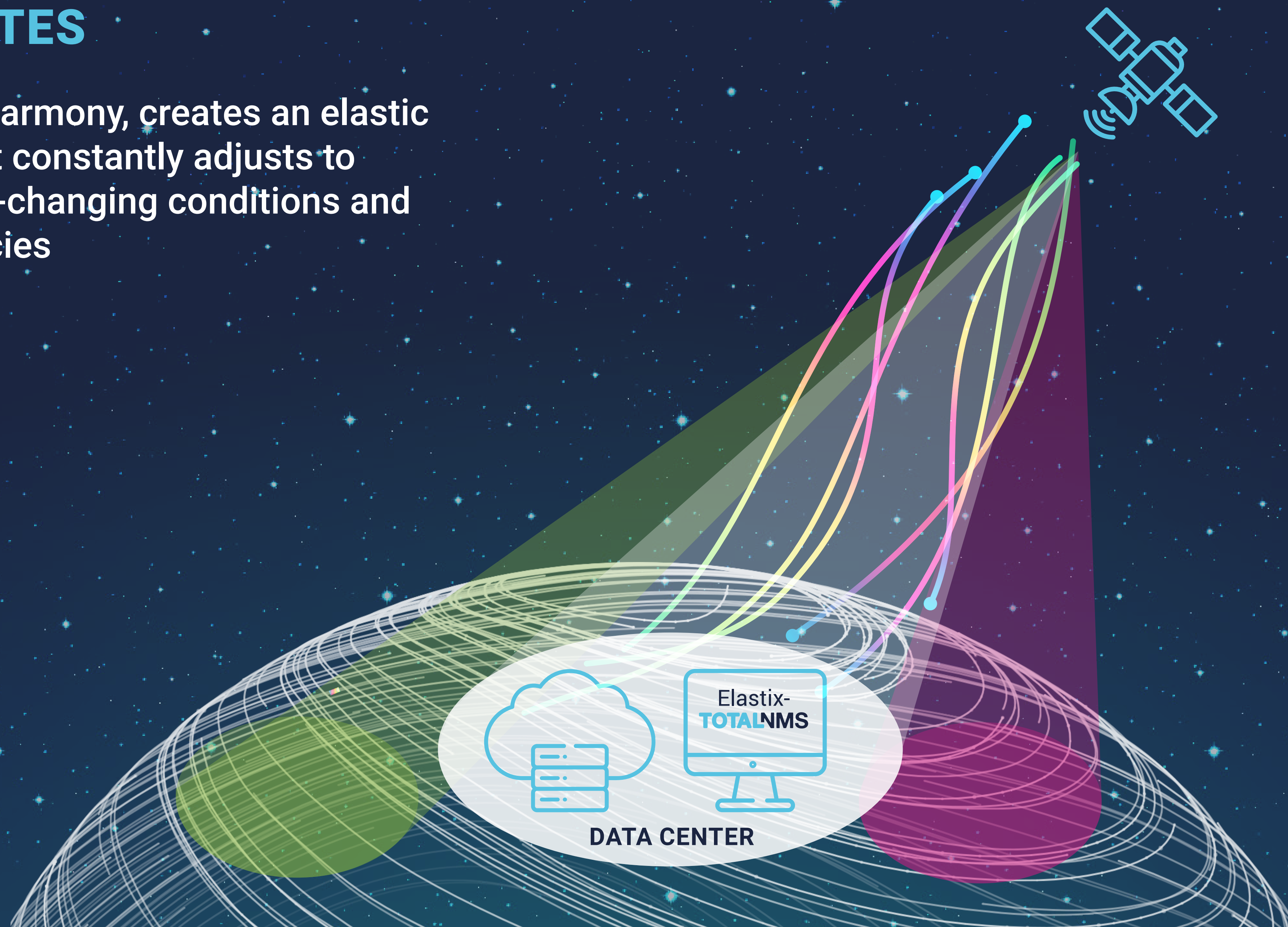
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Provides the agility needed for demand-based network elasticity and dynamic scaling, while providing outstanding compute density



# SOFTWARE-DEFINED SATELLITES

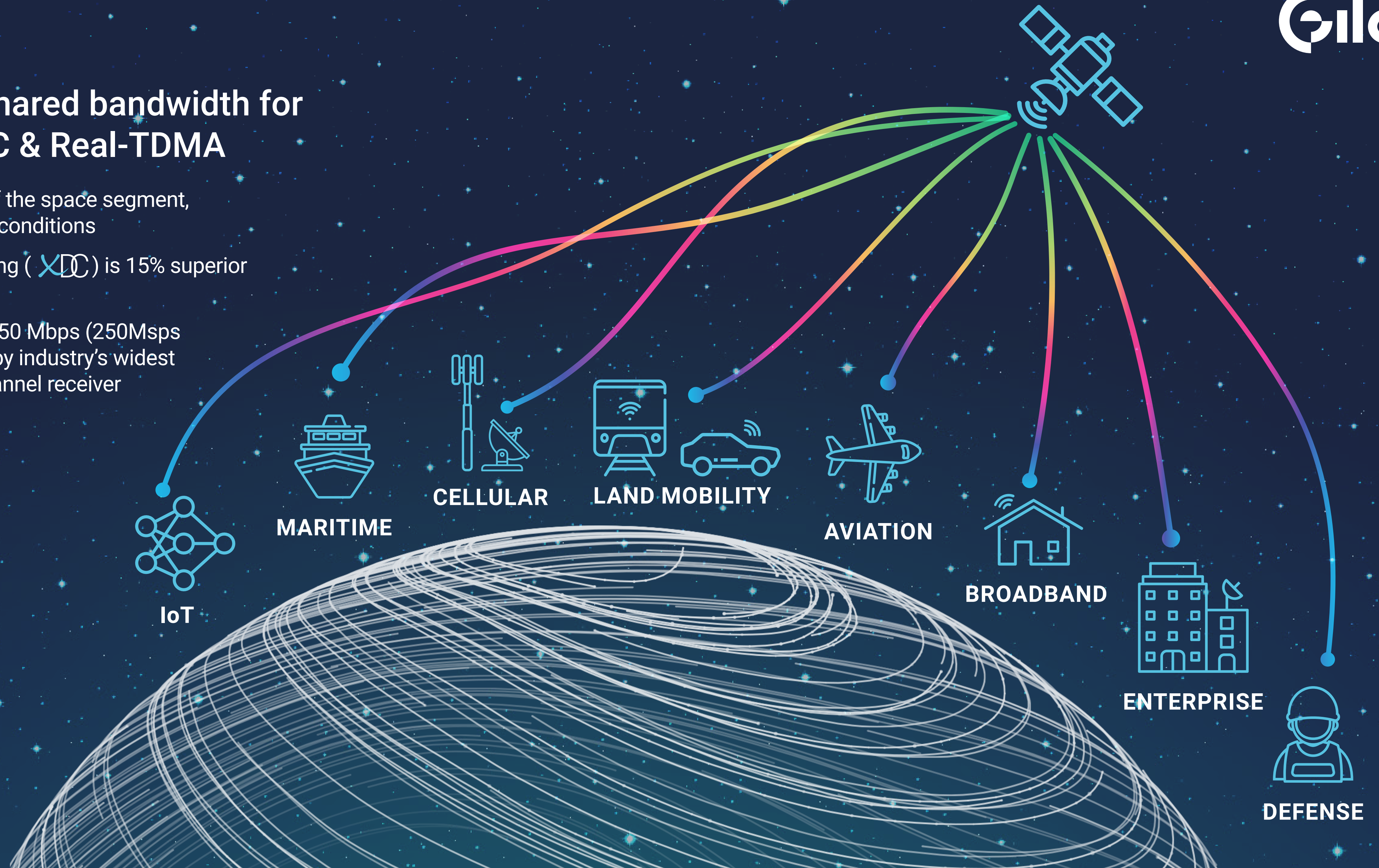
Working in harmony, creates an elastic network that constantly adjusts to answer ever-changing conditions and service policies



# ELASTIX- ACCESS

## Optimized shared bandwidth for Elastix-SCPC & Real-TDMA

- Saves 15% more of the space segment, under comparable conditions
- Elastix Dense Coding (XDC) is 15% superior to standard LDPC
- Return speeds of 750 Mbps (250Msps channel), enabled by industry's widest 500Msps multi-channel receiver



# Gilat's Elastix-Architecture for SkyEdge IV provides **UNMATCHED CAPEX/OPEX EFFICIENCY**

**X10**

Data Center  
Throughput



**X20**

RF Units  
Bandwidth



**X20**

VSAT  
Speed

