

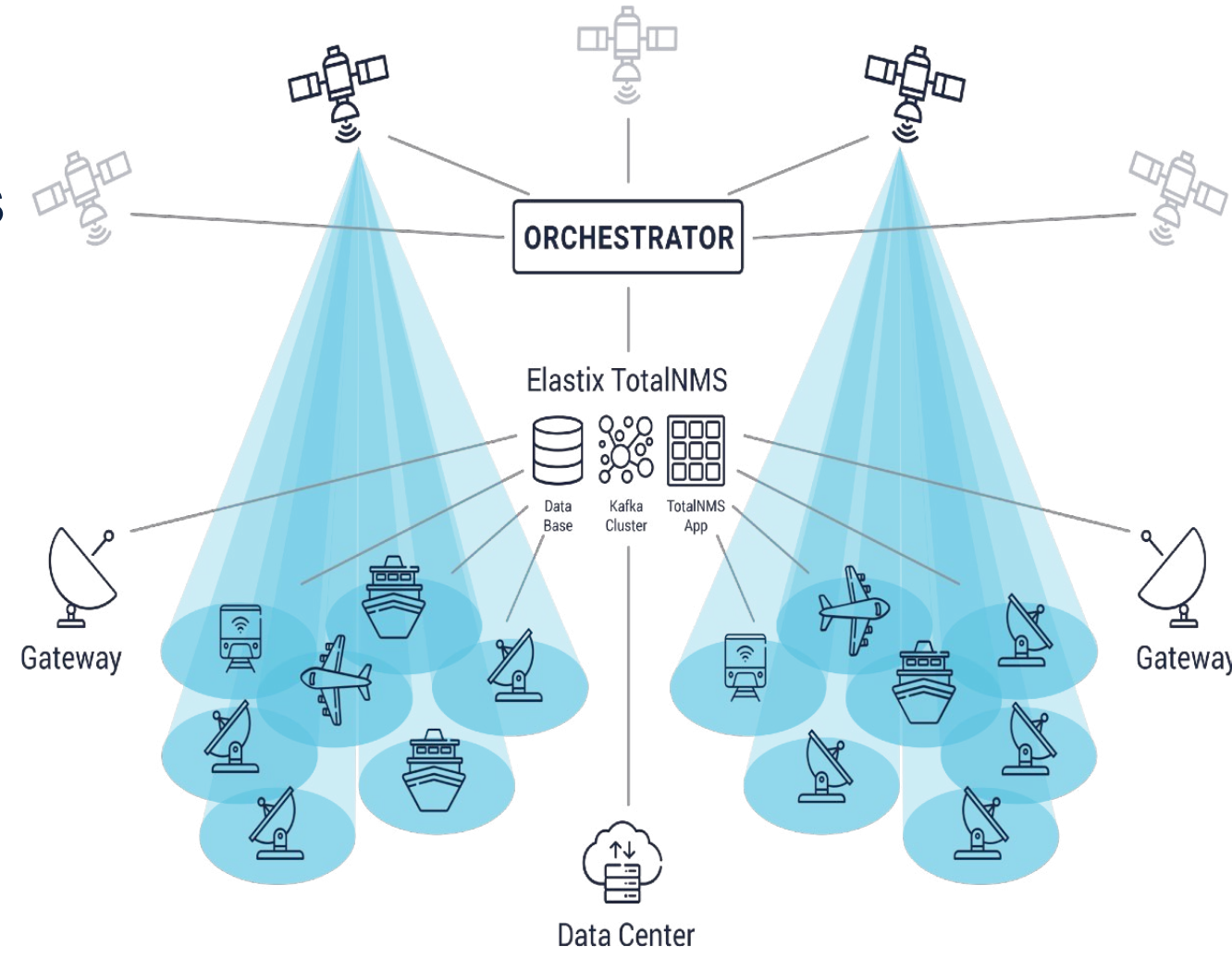
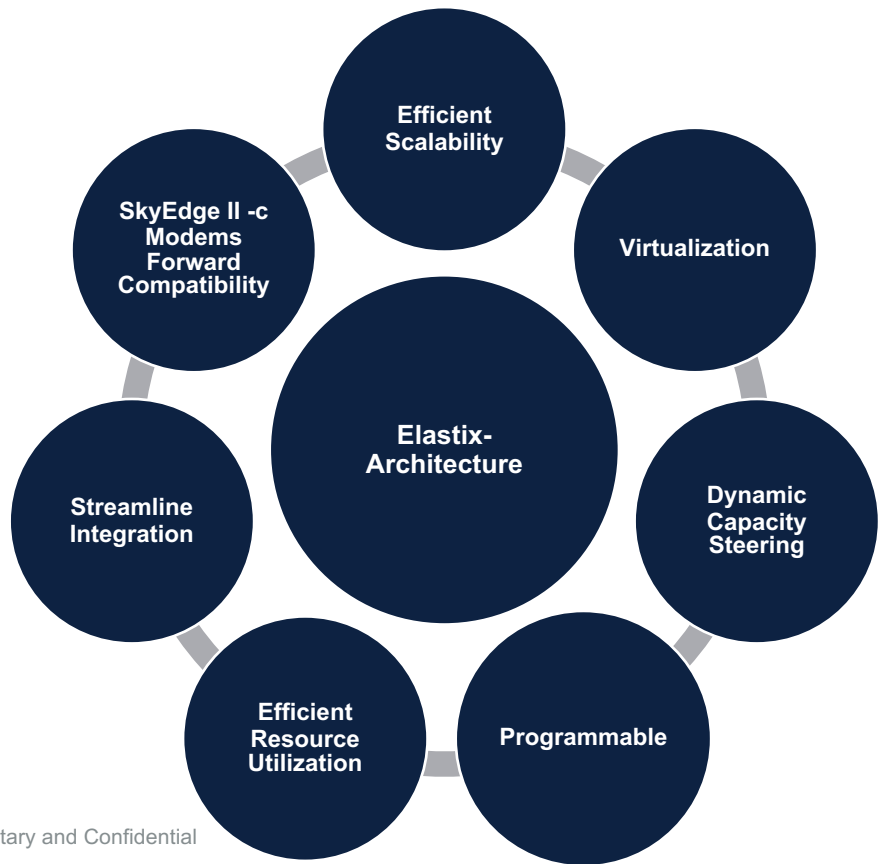


SKYEDGE IV – GROUND SPACE HARMONY

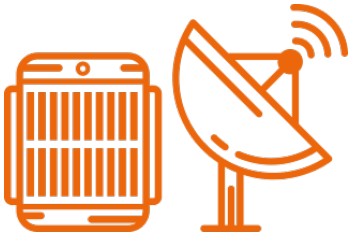
Hagay Katz

June 1 2023

ELASTIC, OPEN PLATFORM PAVING THE EVOLUTION PATH TO SOFTWARE-DEFINED SATELLITE NETWORKS AT GREATEST COST EFFICIENCY THROUGHOUT THE NETWORK'S LIFECYCLE



SKYEDGE IV EVOLUTION VECTORS



HIGHER DENSITY

- High-capacity feeder links
- High number of beams
- Lowest cost per bit
- Low footprint



VIRTUALIZED DATA CENTER

- Dynamic demand-based resource allocation
- Optimize service ramp-up over large coverage area



HIGH PERFORMANCE TERMINALS

- Wide range of terminals
- Pushing performance envelope higher
- Rich L2/L3 services



SMART SCALABLE MANAGEMENT

- Higher operational efficiency
- Higher service availability and deployment
- SkyEdge II -c support



HIGH SCALE OPEN INTERFACE

- Higher integration
- Streamlined management
- Automated service orchestration

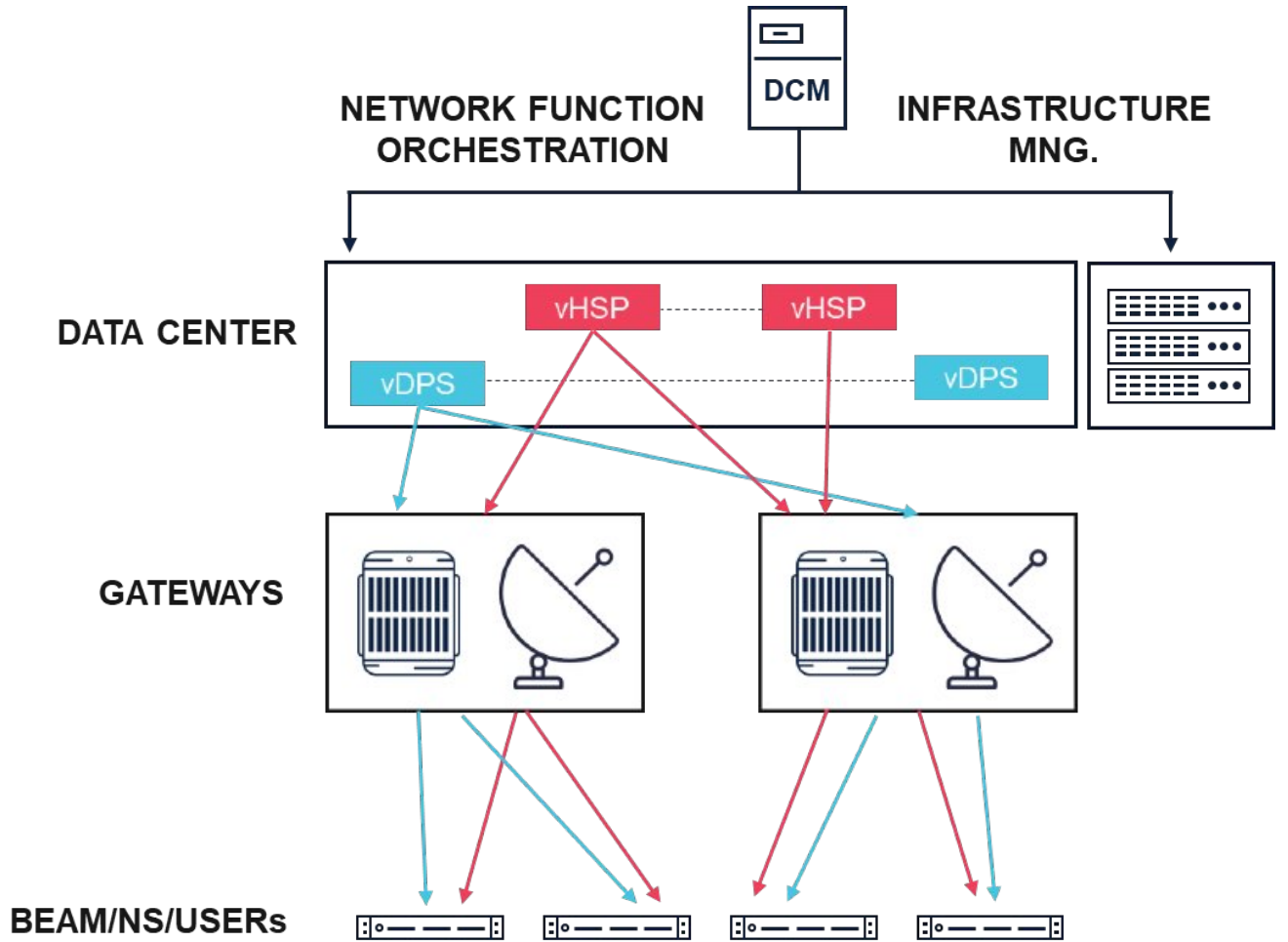
INNOVATION

Software-Defined Everything (Carriers, Processing, Networking, Services)

VIRTUALIZED DATA CENTER

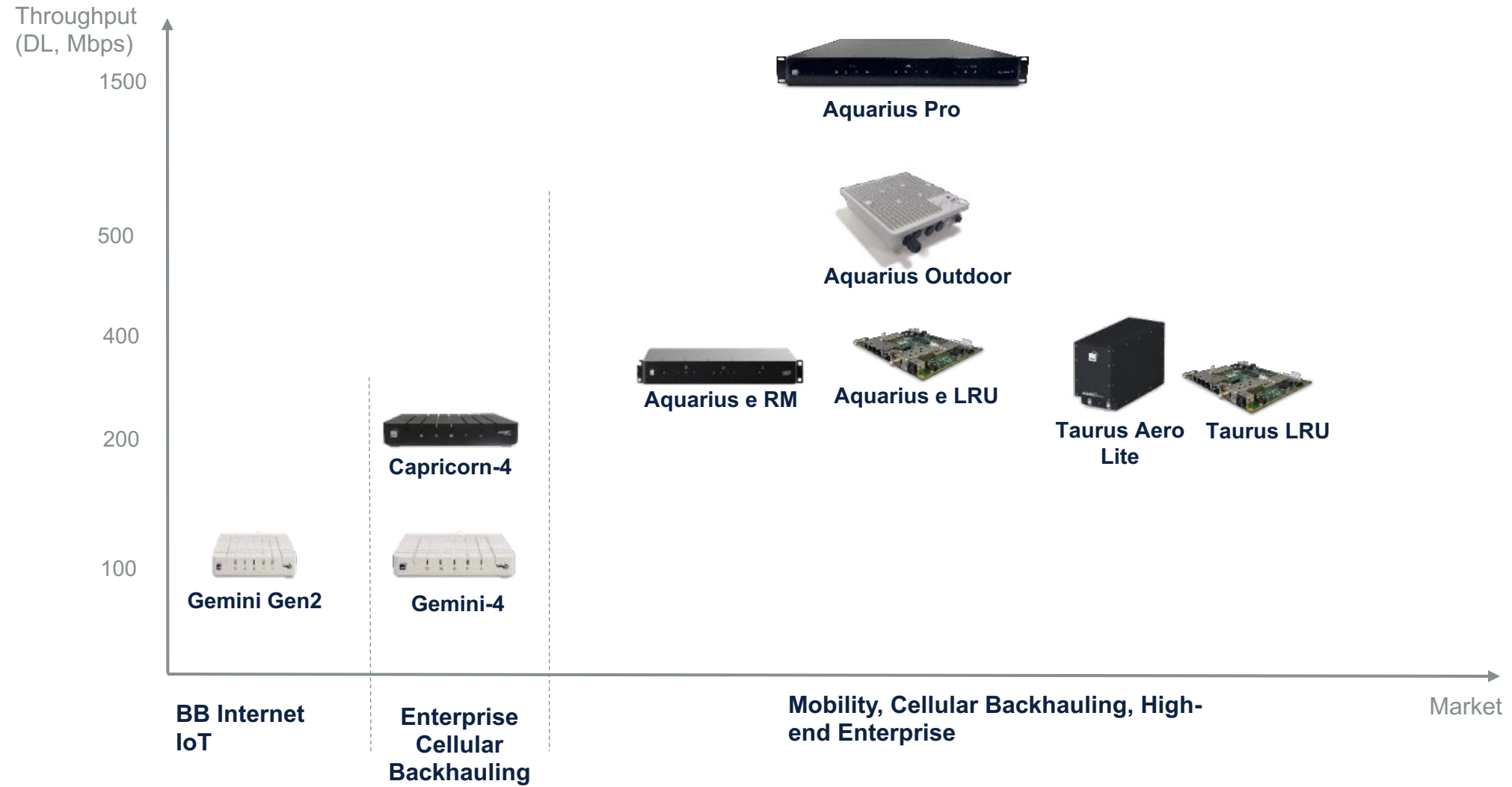


- Any to Any connectivity
- Pool of compute resources
- Virtual network functions
- Sized based on **aggregated capacity (bps / Hz)** of beams attached to Data Center
- Demand-based Dynamic Orchestration**
- Cloud-based**
 - Private Cloud
 - Public Cloud (Roadmap)



- Smallest Footprint
- Maximum Efficiency
- Dynamic Capacity Steering
- Efficient Scale-up

SKYEDGE IV VSAT PORTFOLIO

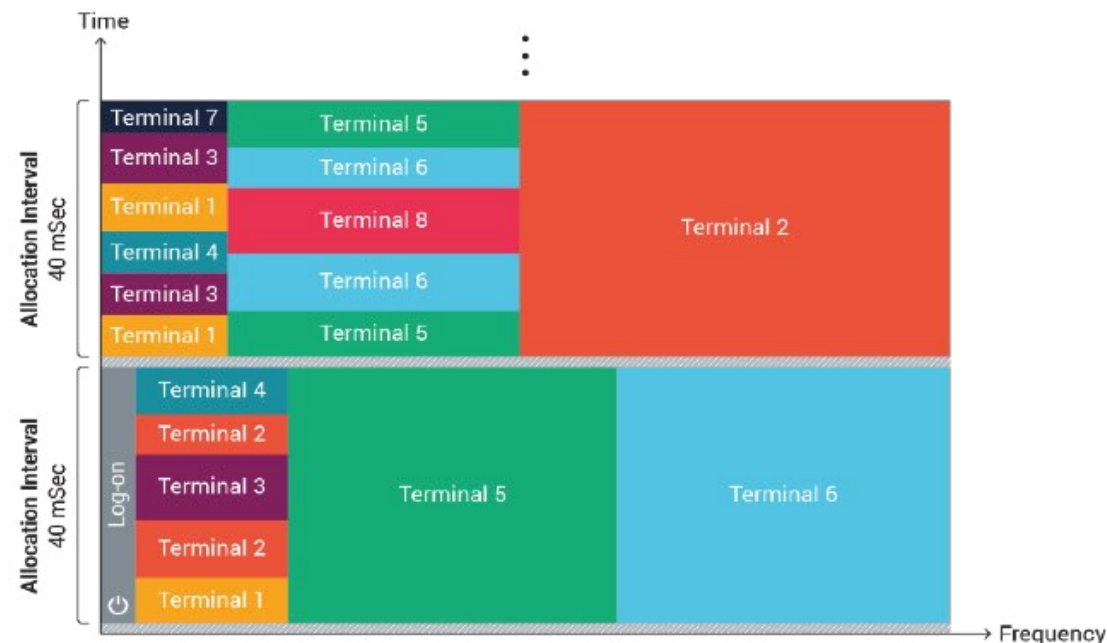
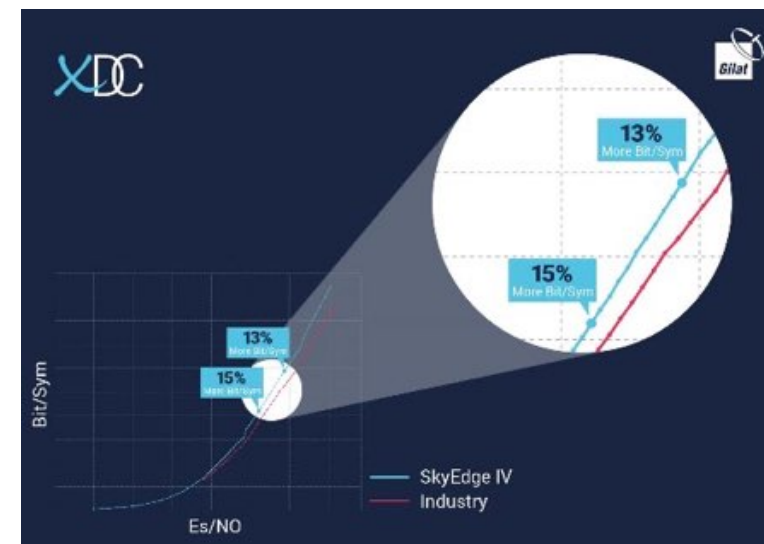




RTN ACCESS SCHEME CONOPS – DYNAMIC FREQUENCY PLAN



- Elastix-Access saves 15% of the space segment, under comparable conditions
- Return speeds of 750 Mbps (250Msps channel), enabled by industry's widest 500Msps multi channel receiver, are 2X faster than competition
- Elastix Dense Coding (XDC) is 15% superior to standard LDPC
- Elastix Dense Coding (XDC) adapts to any application type with the widest dynamic operation range from -15dB to +15dB with 0.6dB resolution
- Optimized shared bandwidth for Elastix-SCPC & Real-TDMA





THANK YOU

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