

The background of the slide is a deep blue space filled with stars. A large, detailed image of the Earth is positioned in the center, showing continents and clouds. A satellite with two long solar panel arrays and several circular antennas is shown in orbit, emitting a bright light. The company logo and tagline are overlaid on the left side of the image.

SPACECOM

A Bridge to the Future. **Today**

Advanced Satcom Solutions for MNOs

Spacecom – End-to End Satellite Provider

- Spacecom is a leading global fixed-satellite operator and satellite service provider, offering tailored end-to-end communication solutions since 1996
- Operates the advanced AMOS satellite fleet, providing innovative broadcast and broadband satellite services with European, Pan-African, Middle Eastern and Asian coverage and cross region connectivity.
- Vast experience in designing, operating and managing satellite services.
- Spacecom's in-house team of experts, together with its wide network of partners, allows the company to provide specific or turnkey solutions as well as tailored packages.



Spacecom **Multi-Orbital Future**

A satellite with two large solar panel arrays and several antennas is shown in orbit above the Earth. The Earth is a large, curved sphere with visible clouds and landmasses, set against a dark blue space background filled with stars.

- We believe the future is multi-orbital and we are working towards offering multi-orbit services
- Spacecom has already partnered with a leading LEO constellation
- Successfully concluded live testing campaign LEO demonstration satellites
- Open for partnering with more satcom operators (NGSO and GEO)
- Our vision is to deliver secure orbit agnostic services to Telcos and MNOs

AMOS 17 Designed for Africa

C-BAND HIGH THROUGHPUT (HTS)

12 High Capacity Service Beams
1-2+ Gbps per beam

KU-BAND REGIONAL BEAMS

18 X 72MHz TXs
Best for Data Network and TV

KA-BAND STEERABLE HIGH THROUGHPUT

4 High Performance Steerable Beams
1+ GHz per beam, Commercial and MIL



FLEXIBLE SERVICE AND OPERATION



CROSS CONNECT BETWEEN ALL BEAMS AND ALL BANDS

Full non-blocking
switching between all
ports



OPTIMAL SOLUTION ARCHITECTURE FOR ANY SERVICE AND APPLICATION

Unlike other HTS systems
where one must be routed via
pre-fixed international hubs



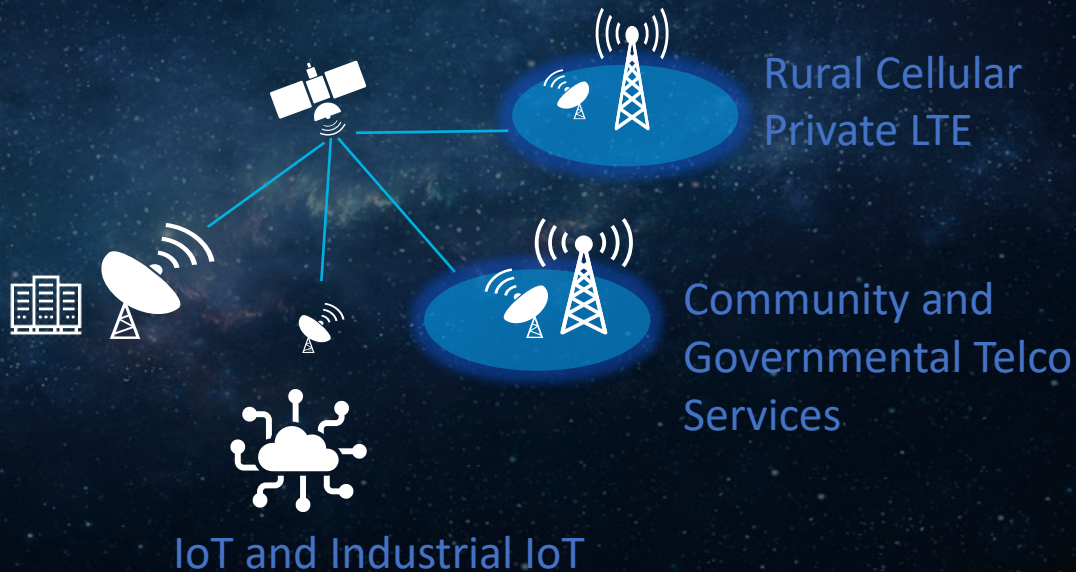
MULTI FREQUENCY

Pick and choose for
your specific
application

Typical Use Cases for Capacity and Connectivity Anywhere

- Guaranteed and resilient services that allow expanding network coverage and cost-effectively improving service quality

Rural Connectivity - 2G / 3G / 4G / 5G
WiFi Hot Spots and IoT



Satellite as a Service

Provide Satellite Connectivity as Required



Bandwidth Agnostic

Will provide bandwidth as
per solution requirement

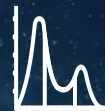
Not restricted to any
provider – will contract for
LEO or GEO bandwidth



Planning & Design

All high and low level
network design

Guaranteed of the
optimal solution to fit
the requirement



Implementation, Support and Maintenance

Solution to be
implemented as per design
24/7 Support and
Maintenance
KPI managed contract
Ensure optimal
performance of all
connectivity



Cost Effective Solution

No CAPEX requirement
Full OPEX model

Full Turnkey Service

Taking the hassle out of Satellite Connectivity



Planning & Design

- Satellite high and low level network planning and design
- Satellite provider selection according to use case
- Vendor agnostic design
- Detailed feasibility and ROI report per each design
- MNO to approve all designs before Implementation phase is started



Network Implementation

- Full implementation of approved design
- Spacecom PMO office
- Site leasing and permits
- Equipment Procurement
- Equipment warehousing, logistics and transport
- Sub-contractor management
- Installation & commissioning
- Detailed testing of installed solution against design
- Full documentation
- Project reporting as required by MNO



Implementation, Optimization and Control

- 24/7 network monitoring
- Engineering staff from Spacecom
- Performance management
- Performance and Fault Management and Optimisation tools
- Tools to be integrated to MNO management tools
- On-going network solution optimization
- Dashboards and reports as per MNO requirements



Support and Maintenance

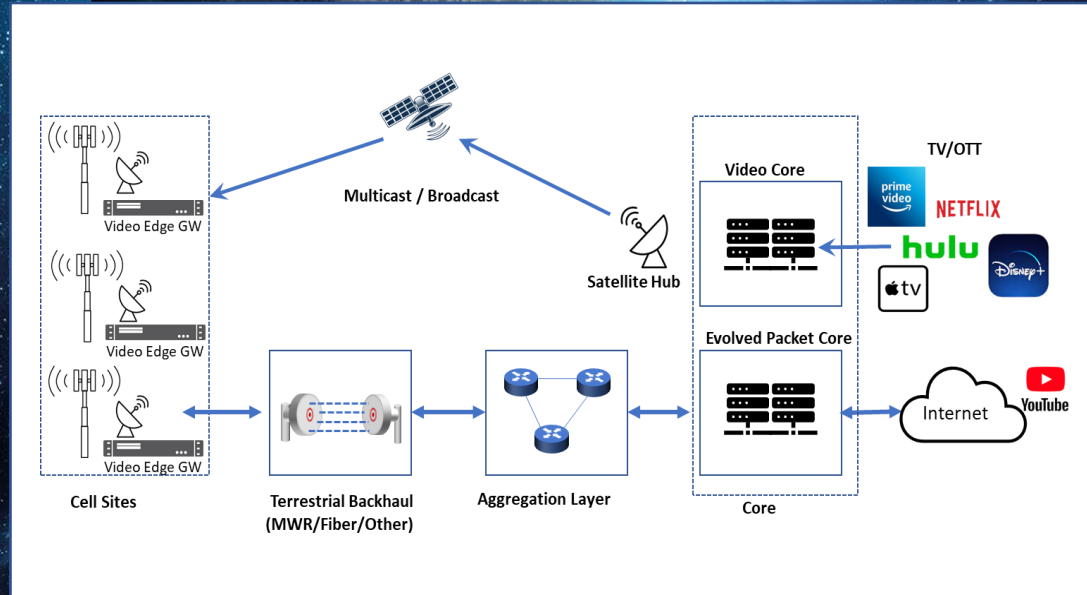
- 24/7 support by Spacecom
- 3rd party equipment, solutions responsibility
- Full integration to the MNO NOC systems and processes
- Maintenance tools and spare parts by Spacecom
- Proactive maintenance to be performed using AI
- Reports to be delivered by Spacecom as per MNO requirements

Satellite EDGE Connectivity

Reducing Bandwidth Requirements

OTT via satellite benefits

- Fast deployment
- Location independent
- Multicast / Broadcast - reducing terrestrial backhaul BW
- Utilizing the AMOS-17 satellite which provides high availability & high throughput over C-band
- Optionally - back up for terrestrial backhaul



Spacecom Value Proposition

- Flexible business models to suit MNO goals – CAPEX, OPEX or both
- Best-of-Class Satcom provider –using own satellites or best suited provider
- LEO ready - vendor agnostic for bandwidth
- Tiered offering from plain capacity to full SaaS / Full Turnkey
- Purposely built for Rural
- Field proven solution

Spacecom Proposal

Put us to the test – Let us pilot a solution for Satellite as a Service or Full TurnKey

Let us show you how we can quickly increase your 3G/4G/5G coverage and subscribers in the most cost effective way

A satellite with two long solar panel arrays and four circular antennas is shown in orbit around the Earth. The Earth is partially visible, showing clouds and landmasses. The background is a deep blue space filled with stars. A bright light source, likely the sun, is visible behind the satellite, creating a lens flare effect. The text 'SPACECOM' is written in a large, white, sans-serif font across the upper left portion of the image.

SPACECOM

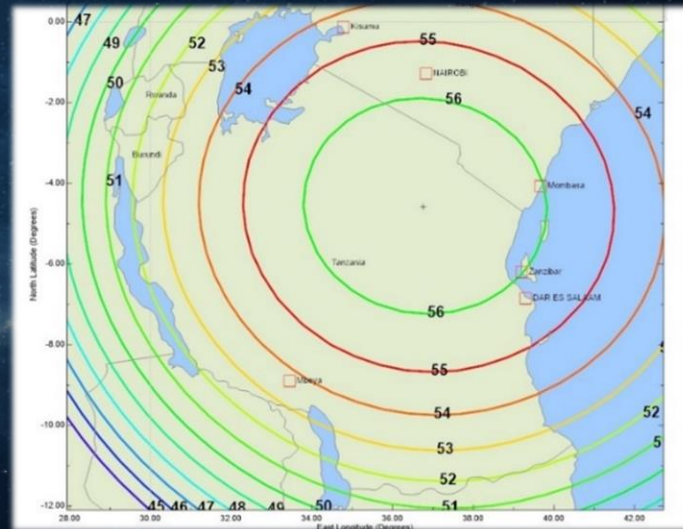
A Bridge to the Future. **Today**

THANK YOU!

Additional Info

Country Beams – Benefits for MNOS

- High throughput – 3G/4G/5G ready
- Lowest rain fade - Highest availability (C-Band!)
- High antenna elevation – No LOS blocking
- Small size antennas and BUCs – low cost
- Low power consumption terminals – ideal for off-grid operation



DIGITAL PAYLOAD

The first African Dedicated Digital Satellite



HIGHER SERVICE AVAILABILITY

Control at signal level
vs transponder level

Gain adjustment and
ALC per carrier



EASY CUSTOMER ADAPTATION & EXPANSION

Provision carriers w/out
interfering with others on
same transponder

Power and spectrum control
per signal



INTERFERENCE SUPPRESSION

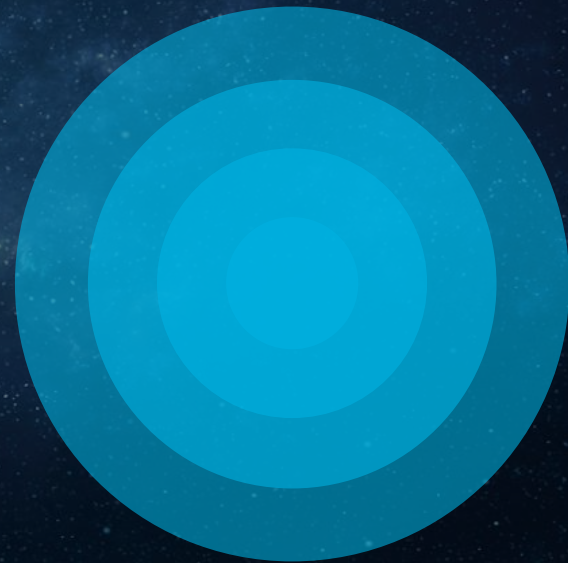
Digital processing
and scanning of
signals



LOWEST TCO UPLINKING







Duplicate one UL to
multiple beams to
minimize UL
investment

Cellular Backhaul Success Stories









Proprietary and Confidential

Cellular Backhaul






- 
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-  **2nd largest operator in Angola**
 -  **C-band (C03 beam)**
 -  **2G/3G/4G**
 -  **iDirect**

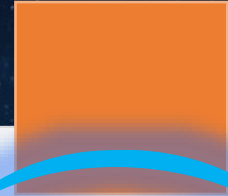







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-  **2nd largest operator in Senegal**
 -  **C-band (C11 beam)**
 -  **2G/3G/4G**
 -  **Comtech Heights**

Cellular Backhaul, cont.



-  **Tier 1 operator in Madagascar**
-  **Over 200 remote sites**
-  **C-band**
-  **2G/3G and 3G/4G**
-  **Backhaul solution by Spacecom**



-  **Tier 1 and 2nd largest operator in DR of Congo (11M users)**
-  **Ku and C-band**
-  **2,000 sites project**
-  **Rural RAN by NuRAN**
-  **End to End BH solution by Spacecom**