



BACKING THE TELECOMMUNICATIONS INDUSTRY

Rural Connectivity

Managed Backhaul

Resilience

Avanti Solutions for Carriers

Avanti is the leading high-throughput satellite partner in sub-Saharan Africa. Large Mobile Network Operators and Tower COs from across Africa are using our solutions to extend the reach of their network and guarantee an always on network.

Why Avanti?

Vast network coverage

Expansive and far reaching network, covering all the major urban cities and rural locations in Africa.

Carrier grade service

Fully redundant and resilient network providing satellite communication services guaranteed by SLAs for network uptime and reliability.

Managed service

End-to-end turn key solution that covers pre and post installation services including site surveys, hardware supply, deployment, monitoring and support.

Round the clock support

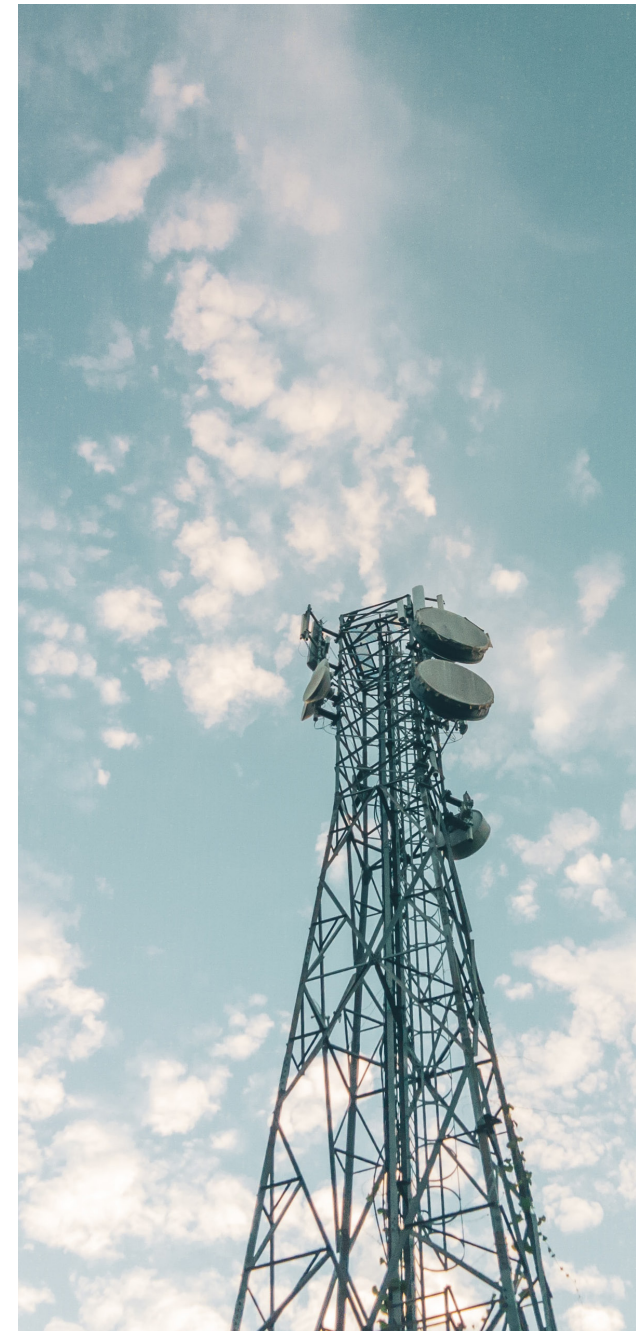
Real-time and proactive network monitoring provided by highly skilled technical experts providing 24*7*365 support.

Interoperability/vendor agnostic

Our solutions are compatible with leading open RAN providers enabling for 2G/3G/4G networks.

Fibre like throughput

Optimized ka-band and hybrid network that ensures fibre-like download & upload speeds.



Avanti Managed Services

We deliver more than just satellite capacity; Our solutions come with fully managed services.

We provide end-to-end managed services backed by Service Level Agreements (SLA) for our satellite solutions that cover satellite capacity, terminal installation and integration services, project and inventory management, preventive and corrective maintenance services, NOC monitoring, performance reporting and value-added services. This ensures our customers can focus on their core business while leveraging on our expertise.



Managed Backhaul

2G 3G 4G

Mobile Network Operators are constantly seeking ways to improve the availability of their services and extend the reach of their network.

With our carrier grade and turnkey Mobile Backhaul Solution, we offer MNOs the solution for an always on and always connected network, that delivers the high-quality voice and data their end users demand.

Features

Fully Scoped Virtual Network Operator Access

Enabling provisioning, commissioning, managing, monitoring and reporting of terminals.

Traffic Prioritisation

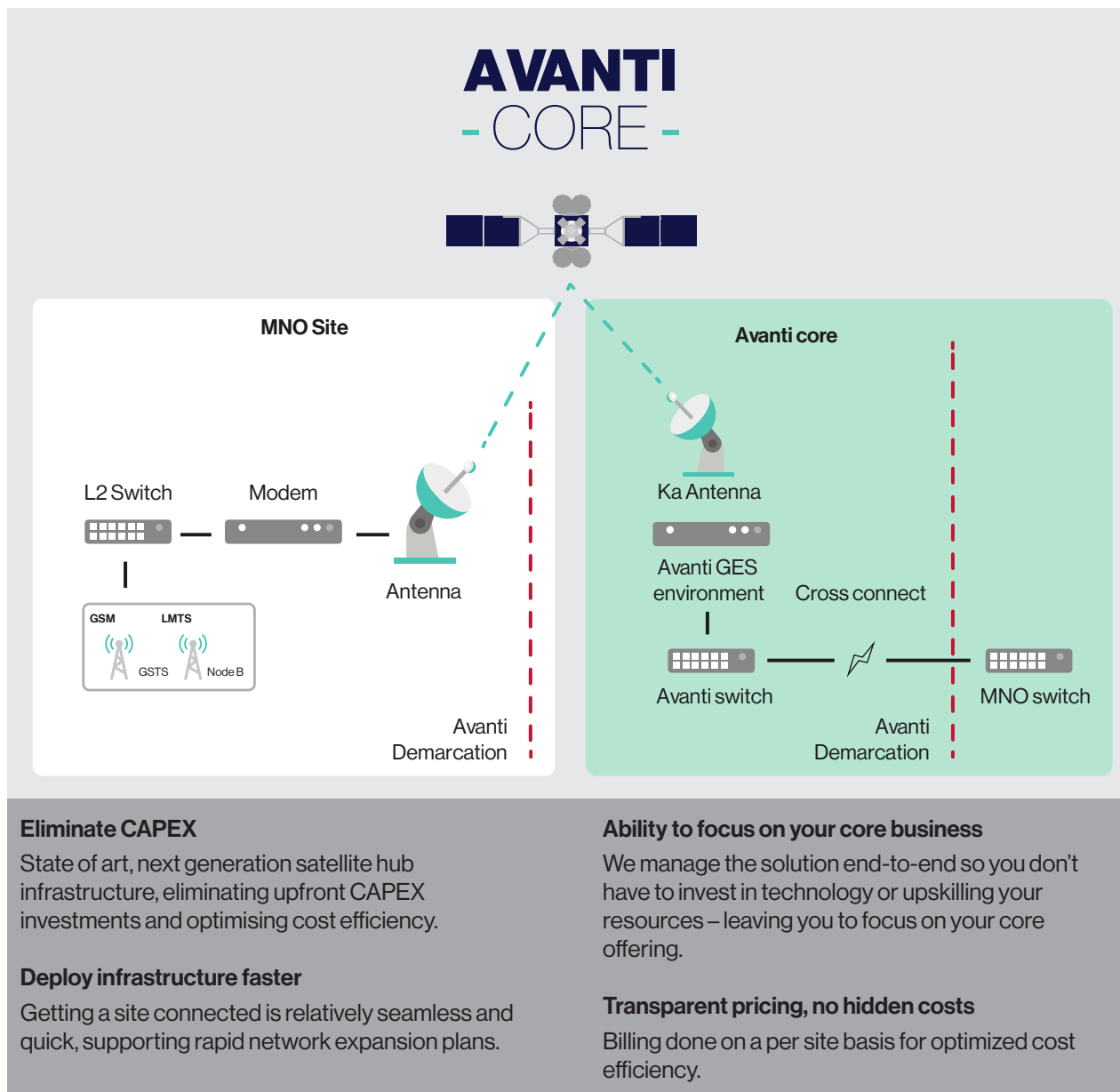
QoS capability prioritizing voice traffic, bandwidth per class type, acceleration and compression standards support.

Bandwidth Pooling

Bandwidth allocation allowing you to start small while giving room for growth and catering to extended surges in network traffic.

Multi VLAN Solution capability

Fully redundant Network to Network Interconnect in place for seamless switch over of traffic.



Eliminate CAPEX

State of art, next generation satellite hub infrastructure, eliminating upfront CAPEX investments and optimising cost efficiency.

Deploy infrastructure faster

Getting a site connected is relatively seamless and quick, supporting rapid network expansion plans.

Ability to focus on your core business

We manage the solution end-to-end so you don't have to invest in technology or upskilling your resources – leaving you to focus on your core offering.

Transparent pricing, no hidden costs

Billing done on a per site basis for optimized cost efficiency.

Rural Connectivity

2G 3G

Sub-Saharan Africa has vast areas that are often very prohibitively challenging to connect using traditional terrestrial infrastructure, leaving millions of people unconnected.

Avanti has developed a unique solution that enables the provision of cellular services to areas that are otherwise impossible to reach using traditional terrestrial infrastructure.

500 Rural sites

In **21** Nigerian states

To **2.5 Million** People

Partnering with IHS to connect rural sites across Nigeria

Avanti provides the physical, transport and network layer for transmission of cellular backhaul traffic to and from cellular towers and connection back to the MNO's core network.

The project has a far-reaching impact, bringing life-enhancing connectivity to millions of people.

Bringing digital inclusion for rural dwellers

- Saves time and money as they no longer need to travel to neighbouring towns to get access to make calls or use the internet.
- Brings a sense of security: reliable mobile coverage means they can be connected to family.
- Boosts the local economy with the creation of small businesses such as resellers of sim cards, phone charging & repairs. Many of these businesses are headed up by women.
- Created over 200 new skilled jobs of field engineers, further investment in satellite gateways and service delivery in the country

IHS
Towers of strength



Resilience - Backhaul Backup

Connectivity is at the core of business success. Keeping a business connected no matter the situation guarantees they stay ahead of competition and keep a healthy bottom line

We help our customers minimise the impact of business disruptions with our quick to deploy, always -on connectivity solutions. Our proven capabilities in rapid deployment and service activation within short timeframes, guarantees critical service restoration in the event of a major business outage or natural disasters.

Features

Diverse routing

100% diverse routing from base stations.

High throughput

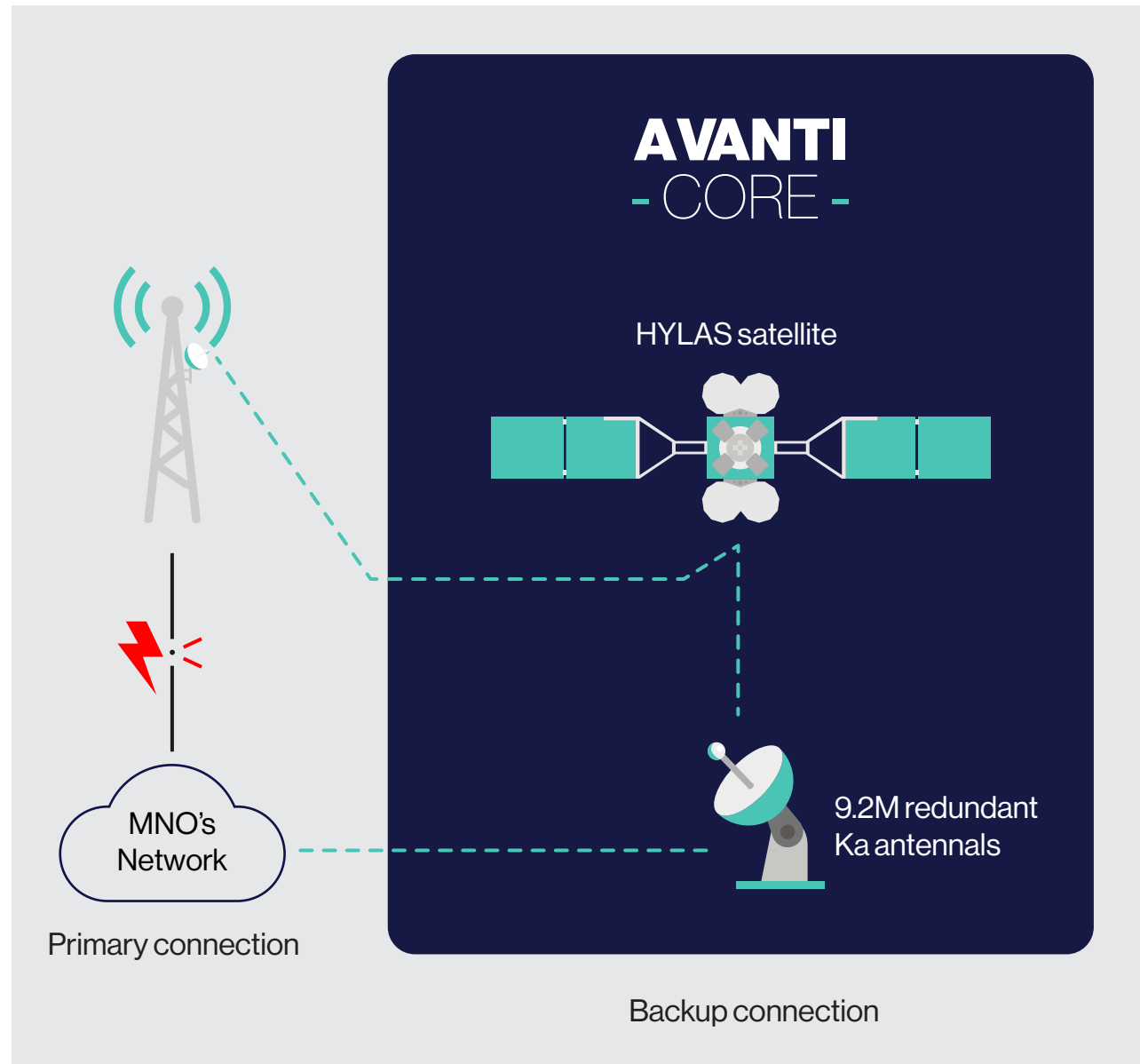
The links enable fibre-like throughput without dependency on terrestrial networks.

Automatic fail over

Automatic switching to satellite link supporting voice and data traffic.

Dynamic bandwidth pooling & on demand upgrades

Bandwidth can be shared dynamically between cells and increased or allocated to a site to cater to network surges without affecting performance.



Resilience - Enterprise Always-On

The failure of a backhaul circuit can take a base station off-line resulting in lost network revenue and customer dissatisfaction.

Our cost-effective solution backup solution seamlessly integrates into complex mobile networks ensuring that the base station continues to deliver network coverage at times when the primary terrestrial link fails. With in-built automatic switching capability, customers will experience a continuous, uninterrupted service from the mobile network operator.

Features

Diverse routing

100% diverse routing from an office location or customer data center.

High throughput

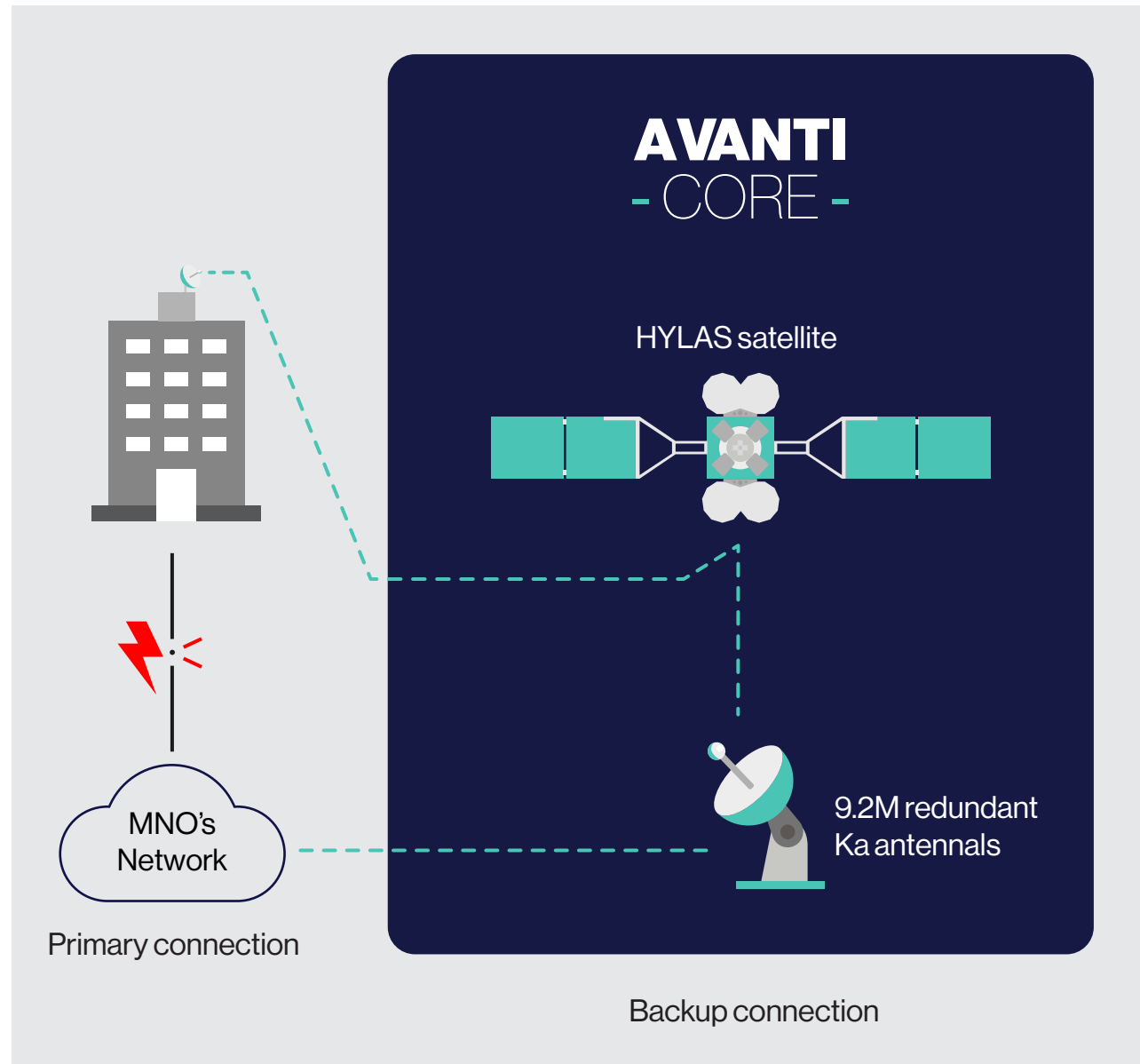
The links enable fibre-like throughput without dependency on terrestrial networks.

Automatic fail over

Automatic switching to satellite link supporting critical enterprise and communication applications.

Dynamic bandwidth pooling & on demand upgrades

Bandwidth can be increased and shared on demand and allocated dynamically between office locations.





Be More.

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