

Expand and guarantee coverage with Avanti Satellite Backhaul

Avanti carrier-grade satellite backhaul enable Mobile Network Operators (MNOs) to offer cellular services in areas that are impossible or prohibitively expensive to reach using traditional terrestrial infrastructure. Designed to provide primary connectivity as well as infill capacity during peak times, our backhaul service integrates seamlessly to the MNO's networks.

Avanti supports rapid service deployment and activation in short timeframes, ensuring business continuity and ensures short-term primary connectivity solution for:

- Critical service restoration in the event of major service outage
- Connectivity for significant events or natural disasters
- Resilient backup connections for under-served tower locations
- Alternative to long lead-time terrestrial solutions

We were the first to deliver 3G and LTE backhaul using satellite Ka-band technology; revolutionising satellite backhaul to extend reach, expand market opportunity and cut costs for MNOs.

Highly scalable and flexible connectivity

- Rapid and cost-effective expansion into rural and remote locations
- Expands and guarantees 2G, 3G and 4G service coverage
- Open APIs ensure our network is agnostic, allowing quick and easy integration
- Supports multiple backhaul scenarios, such as network rapid roll-out, fast response capacity, cell on wheels, remote cell sites, network extension and infill and backhaul backup

Ultra resilience - up to 99.95% SLA

- Avanti's multiple data centres and Gateway Earth Stations deliver "carrier grade" redundancy and resilience
- Integrates into MNO network management systems to highlight network issues before network congestion/outage events occur
- Provides immediate and reliable backhaul solutions for 2G, 3G and 4G sites to the network core; ready for 5G demos, trials and pilots

Optimised network's cost of operations

- Access to the Avanti bandwidth pool allows reduction of OPEX and total flexibility for bandwidth demand
- Increased efficiency of Ka band frequencies reduces the Mbps cost
- CAPEX reduction via hub managed services and small antennas

