

# Reliable and secure maritime communications

Supporting day-to-day business operations for the maritime and offshore markets, Avanti ensures both safety and comfort by providing connectivity at sea. Secure and reliable voice and data communication allows ship operators to manage their fleet, ensuring general contact with remote offices and HQ, improve crew welfare, as well as providing internet services for ferry passengers.

## Optimised cost of operations

Ka-band is typically 4 times more powerful than traditional Ku-band satellites and comes with the additional benefit of comparatively low operating costs in terms of both bandwidth and VSAT hardware (smaller antennas can handle higher data rates when compared to other traditional satellites).

## Ultra resilience – 99.95% SLA

Avanti's multiple data centres and Gateway Earth Stations deliver "carrier grade" redundancy and resilience.

## Secure performance

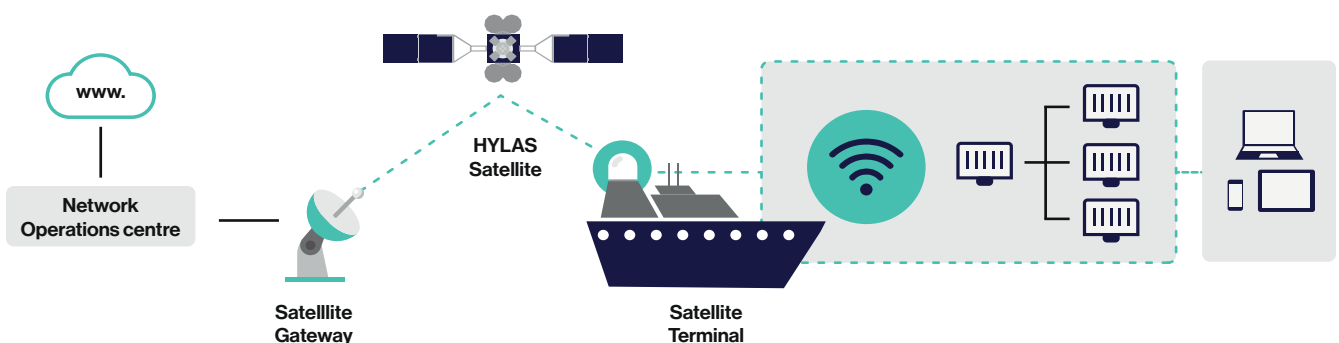
Maintain secure data separation between operational data and passenger data: Operational and passenger bandwidth can be kept separate using VLAN technology, which is a common network topology, used to segregate different networks (LANs) over one communications' link.

## Dynamic bandwidth pool management

The network is automatically adjusting at all times to meet the changing demands on a needs driven basis. Various control mechanisms in the network prioritise applications to ensure each site and application meets its minimum bandwidth requirements.

## Crew welfare

Provide crew with a way to contact their friends and family and to connect to social media platforms and watch bandwidth-heavy streaming applications.



## Connecting ships across the North Sea

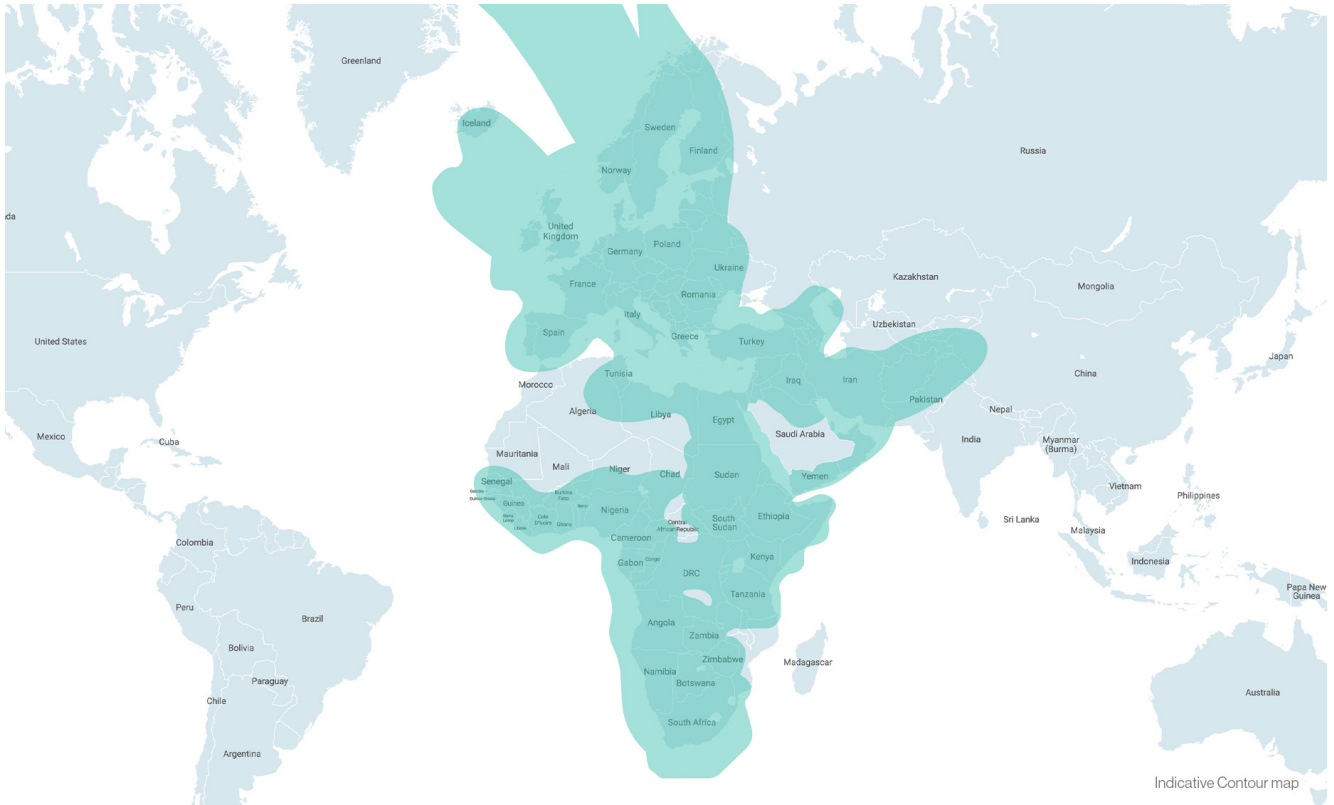
Avanti deployed a VSAT solution for a major Scottish ferry operator that provides separate bandwidth for the ships operations and its passengers.

Thanks to Avanti's dynamic bandwidth pool management solution, the ferry operator is able to manage bandwidth across its fleet, as well as providing prioritisation of voice, data and video.

Avanti's HYLAS 4 Ka-band satellite has been providing six times more capacity than the previous legacy Ku-band system and has delivered significant cost savings at the same time.



**We are the leading Ka-band high-throughput satellite capacity partner to the communications industry in Europe, Middle East and Africa. We extend and guarantee coverage for enterprise solutions, defence missions and critical public services.**



**Be More.**

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