

# HIGH SPEED STEERABLE COMSATCOM IN THE MARITIME DOMAIN

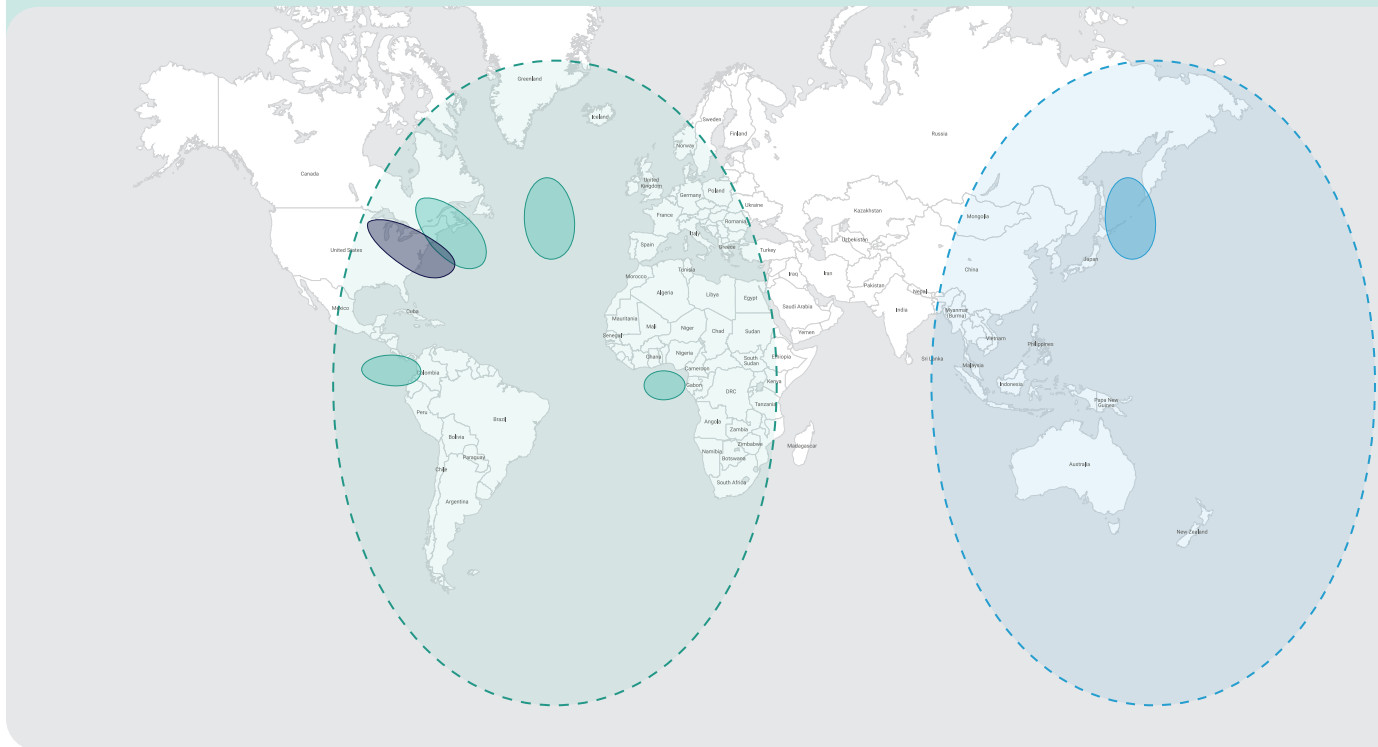
**Avanti's high throughput steerable beams are designed to deliver huge amounts of capacity to maritime users, whether a fleet or single vessel within the beam**

Avanti's high capacity connectivity can support:

- Maritime and cross-domain situational awareness
- C4ISR Processing, Exploitation and Dissemination
- The transmission of F35 Mission Planning and Logistic support data
- Crew MWR and operational enterprise connectivity

## Key benefits

- Dedicated secure, private links to key maritime vessels or High Value Units
- Local area coverage for a Task Group in a specific area of operations (AOO) or on-route to a key AOO
- Oceanic-transit connectivity



- Each 500km radius beam delivers 920MHz, nearly a Gbps of capacity in Civ or Mil frequency bands, compatible with MilSatCom WGS terminals.
- Beam steering can be directly controlled by the government end user or its mission partner providing flexibility, agility and operational security.
- Beams can operate through a secure gateway to provide reach-back to strategic C2 nodes, or operate in loopback-mode to provide intra-theater communications between Task Group units.
- For additional security layers, units can exploit the latest TRANSEC capabilities to maintain assured connectivity even in denied, disrupted, contested and competed environments.
- Steerable beams complement a network of over 100 fixed beams covering the landmass and littoral waters of EMEA supporting: EEZ patrols, freedom of navigation passages, foreign port visits and amphibious operations.
- Avanti's high throughput Ka-spectrum satellites and diverse network of secure gateway earth stations allow end users to maximise connectivity across the Americas, EMEA, Indian Ocean to the Gulf of Thailand.

## MORE INFORMATION?

To know more about what Avanti can offer, please contact:

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