



# AVANTI MIL-KA STEERABLE BEAMS

OPERATIONAL FLEXIBILITY AT MACH SPEED



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## Operational Flexibility at Mach Speed

Operational flexibility means having the ability to deliver services at the time and place of your choosing; not making do with whatever is available at the time.

Avanti's high throughput steerable beams deliver the ultimate in operational flexibility:

- Flexibility in where the beams are pointed.
- Flexibility in the size of the beams.
- Flexibility in the mode of operation.
- Flexibility in the frequency of the service.
- Flexibility in the duration of the service.
- Flexibility in operational domain.

## Avanti's steerable beams deliver:

- Fully automated tracking of mobile platforms at Mach 1.0+
- User-control of beam pointing to hide the beam's position providing maximum OPSEC.
- Powerful, large capacity beams offering very high data rates for resilient CNI backhaul.
- Beam agility allowing users to switch from Gateway to Loopback mode for inter-beam connectivity between mobile and/or dismounted users.
- Accreditation to use with WGS-certified Mil-Ka antennas and the widest range of non-WGS antenna for On the Move, On the Pause and On the Halt missions.



### Airborn ISR & En Route Command & Control

- Hatchmount, tail and fuselage mounted communications.
- Manned & Unmanned ISR platforms.



### Critical National Infrastructure - Strategic Backhaul

- Resilient connectivity to mitigate submarine cable disruption or damage.
- Rapid connectivity in event of natural disaster.



### Maritime Command & Control

- Gbps connectivity to maritime platforms.
- Manned & Unmanned platforms.
- Full Motion Video for targeting and tracking.



### Ship to Shore & Ground Manoeuvre

- Loopback mode delivers inter-beam mesh comms.
- Optimised for On the Move and On the Pause missions to lowest SWaP antenna.