

Avanti Flexible GEO Capability

www.avanti.space

Capable

32GHz of dedicated, uncontended capacity.

4 x Mil or Civ-ka HTS steerable beam.

64 x HTS Ka-band fixed beams.

Secure

Closed network capable of operating PTW capabilities using loopback beams.

Secure, obfuscated steering through user-controlled API.

Agile

Large steerable beam footprints (1.5-degrees) provides Task Group sized coverage or theatre-wide services.

Highly agile beam steering to track high value targets at Mach 1.0+.

Dynamic

Global TT&C managed service to relocate satellite.

Fully flexible managed control to relocate to any orbital location – 2-degree drift per day.

Multiple relocation opportunities during life of satellite

Flexible

Flexible capability for contingency: move to mitigate technical failure/end of life or surge to areas of highest demand.

Realign satellite by biasing and pallet trimming to optimise usable capability.

Supports all Ka-band WGS certified antenna.

Multiple gateway beams providing resilience and flexibility to maximise useable coverage.

Enduring

10-years operational life.

30-years additional managed/inclined operational life.



HYLAS 4

