

Avanti Flexible GEO Capability

www.avanti.space

Capable

11GHz of dedicated, uncontended capacity.

1 x Mil or **Civ-ka HTS** steerable beam.

24 x HTS Ka-band fixed beams.

Enduring

5-years operational life.

Options for Mission Life Extensions.

Agile

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

Secure

Closed network capable of operating PTW capabilities using loopback beams.

Secure, obfuscated steering through user-controlled API.

Dynamic

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

4 x gateway beams providing resilience and flexibility to maximise useable coverage.

Opportunity to realign satellite by biasing and pallet trimming to optimise usable capability.

Flexible

Global TT&C managed service to relocate satellite.

Multiple relocation opportunities during life of satellite.

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

Capable of supporting all Ka-band WGS certified antenna.

HYLAS 2

