

SOLUTION OVERVIEW

GROUND-TO-AIR



BATS Aerial Tracking

BATS provides tracking of MIMO (Multiple Input Multiple Output) radio/antenna systems for planes, helicopters, blimps, and UAVs.

While Survey Planes, Spotter Planes, and Tier 1 and 2 UAVs typically use LOS (line-of-sight) communications links to deliver live video, C2 (command and control, and bi-directional telemetry for the pilot or other ground based assets; they usually suffer performance issues during low altitude or nLOS (non-line-of-sight) events.

BATS utilizes a cutting-edge quad MIMO design that leverages our industry leading tracking and optimization technologies to deliver high-throughput LOS, PTMP connections. The unique basestation design also compensates to allow for extended coverage during typical nLOS events.



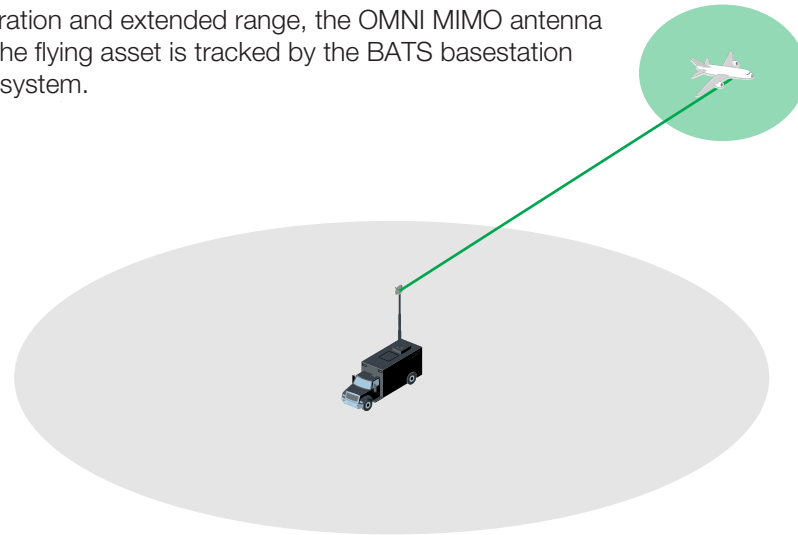
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For normal operation and extended range, the OMNI MIMO antenna array onboard the flying asset is tracked by the BATS basestation PTMP tracking system.



During close range events, the basestation aggregates the connection of both the PTMP tracking system and OMNI MIMO antenna on the ground.

