

# Kratos Tethered UAS (KTU)



**KRATOS**  
FROM STRENGTH TO SUCCESS

## Setting the Standard for Tethered UAS Operations

- Unlimited flight time: “Persistent Stare” Capability
- 150m, 300m, or custom length solutions available
- Payload:
  - ~6kg @ 150m/~1.5kg @ 300m (tethered)
  - ~10kg (untethered)
- 1Gbps secured data transfer to ground station
- Launch/Land, altitude/heading control via user interface. Highly skilled pilot not required
- GPS denied operations
- Zero RF emissions, very low aerial radar cross section
- System integrated to Polaris MRZR UTV
  - Superior off-road performance
  - Platform familiarity for USMC, SOCOM, etc.
  - Tethered UAS deployable from MRZR within 10 minutes
- Dual, redundant descent control system
  - Battery Backup for automatic emergency landing
  - Parachute system automatically deploys in an unexpected fly-away or fall
- Blackout capable. IR strobes used on UAS for visual location using NODs. Auxiliary IR headlight used on MRZR for navigation
- Low cost, High Capability



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## Payloads

- DeTect Providence threat UAS detection
- IR Illuminator/Laser for target ID and designation
- IR/Visible cameras for ISR/inspection applications
- Visible/IR beacons for tracking or atmospheric turbulence measurements
- Differential temperature  $C_n^2$  measurement probes
- Meteorological instrumentation
- HEL beam profiler/target board
- ADS-B transceiver for manned aircraft sense-and-avoid

