

Mosquito Delivery System

MDS



SYSTEM DESCRIPTION

ATSC's Mosquito Delivery System (**MDS**) provides an unprecedented capability of precision airdrop delivering small payloads in austere locations to within meters of the preselected coordinates. Aircraft agnostic, the MDS can deliver any type of payload **up to 250 lbs** such as water, batteries, medical supplies and tools. The quick release mechanism allows for a fast recovery of payloads.

- DEPLOYED FROM FIXED WING OR ROTARY AIRCRAFT
- COMPATIBLE WITH CAT MISSION PLANNER (JPADS)
- WIRELESS 802.11 COMMUNICATION
- QUICK PAYLOAD CONNECTION AND RELEASE INTERFACE
- HAND-HELD MISSION PROGRAMMER OR TABLET
- GPS, WI-FI, RF AND NS OPTIONS AVAILABLE

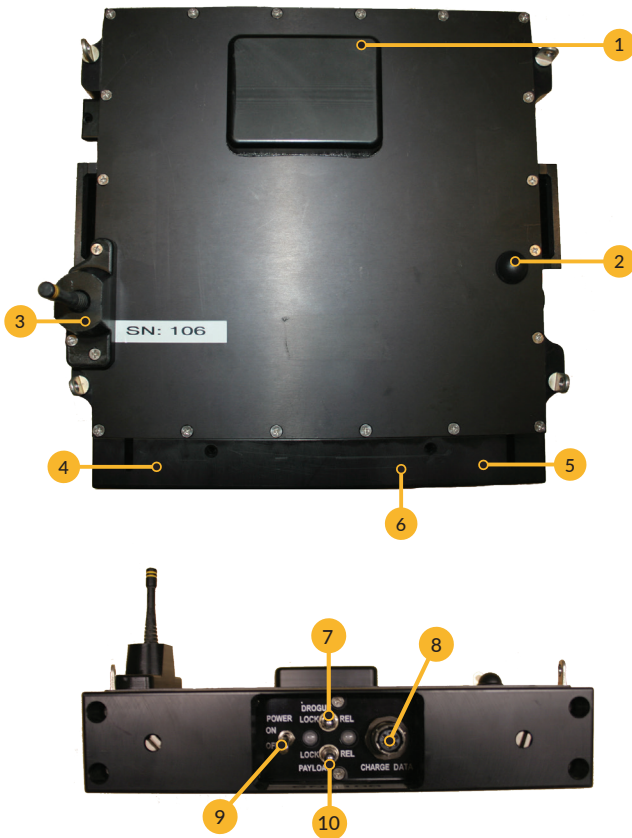


OPERATIONAL SCENARIOS

The Mosquito Delivery System (**MDS**), with its ability to operate from any aerial platform offers new ways of resupplying war fighters in the field. For small units that wish to extend their mission, the MDS could resupply them with supplies while on the go, in the cover of darkness. Units can leave with less gear to allow for faster mobility towards mission objectives, then be resupplied as needed on the move. Missions could be extended indefinitely with small resupplies, and allowing for mission changes with new gear or tools being dropped in.

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SYSTEM FEATURES

1	GPS Antenna
2	Wi-Fi Antenna
3	RF Modem Antenna
4	Left Steering Servo
5	Right Steering Servo
6	Winch Drum Cover Plate
7	Drogue Lock / Release Switch
8	Charging/Data Offload Connector
9	Power Switch
10	Payload Lock / Release Switch



SPECIFICATIONS

Payload Capacity:	1-250 Lbs
Deployment Altitude:	25,000 Ft MSL
Accuracy:	<30 M Circular Error Probable (CEP)
Offset:	3:1 Glide Ratio (Typical)
Weight (AGU):	10 lbs
Dimensions (AGU):	2''h x 11''d x 10''w
Communications:	802.11
Weather Resistance:	IP67
Payload Dimensions:	Customer Specific