

Mosquito Unmanned Helicopter Vehicle – Target

NDIA

50th Annual Targets, UAVs, & Range Operations

Symposium & Exhibition



Aim: Apprise target community of our Mosquito UHV-T





Quick History:

- **Project commenced in 2008**
- **Three customers with separate Concepts Of Operations**
 - Modular approach to payload integration
 - Development of increased on-board power generation
- **First flights achieved in 2009**
 - Rotary drones are not for the *'faint at heart'*
 - Crawl, Walk, Run
- **First customer missions accomplished in 2010**
 - New missions arising





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Main Capabilities: (Details avail at booth)

- **Payload Carrying Capacity >100 lbs**
- **Electrical power available >2Kw**
- **Endurance is >2 hrs**
 - **Several different sized auxiliary fuel tank options available**
- **Speed range – Hover to 80 knots**



Take-Aways:

- ▶ **'Build-to-Cost' vs. 'Build to Specification'**
 - Meet the need regarding new emerging rotary UAS threats
 - Ensure it is cost effective – *'Not let perfect be the enemy of good'*

- ▶ **Proven capability available now for training & T&E**
 - > 10 platforms built to date, serial production underway
 - Extensive flight trials conducted with multiple payloads
 - >2Kw power available

- ▶ **Realistic Threat Simulation**
 - Full-Scale employing HRSS
 - Sub-Scale



Questions?



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