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
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?