ISRAEL AEROSPACE INDUSTRIES

space air ground sea

IAI / MALAT OFFERS ITS NAVAL ROTARY UNMANNED AIR VEHICLE (NRUAV) SYSTEM

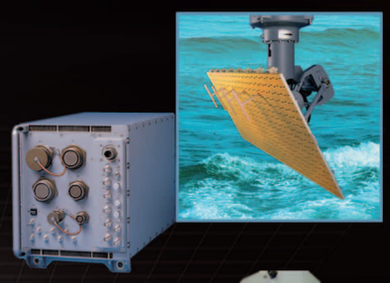
THE MALAT SOLUTION FOR MARITIME MULTI-LAYERED ISR MISSION

Main Features and Capabilities:

- MALAT made Helicopter Modification Suite (HeMoS) for existing, proven, manned naval VTOL platforms
- Automatic Vertical Take-Off and Landing (AVTOL) from dynamic (naval) platform
- Real-time intelligence battle and damage assessment
- Day, night, adverse weather Over The Horizon Targeting (OTHT)
- Flexible multi-sensor suite with extended carrying capabilities

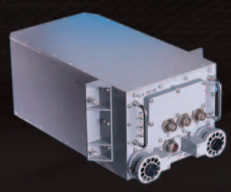
NRUAV - NAVAL ROTARY UAV SYSTEM FOR SHIP DECK

Mission Payloads



- **Multi Mode Radar:**
  - Sea Surveillance (SS):
  - Long Range Surveillance, Anti-Submarine Warfare
  - Moving Target Indicator (MTI)
  - Air-to-Air Mode (AA)
  - Navigation and Weather Avoidance (NAW)
  - SAR
  - ISAR
  - Range Signature (RS)
  - Integration with AIS (optional)

- **E/O**
  - Operating in day, night and adverse weather conditions
  - Automatic tracking by lock-on target
  - Slaved to external angular or coordinates reference
  - Target range measurement



- **COMINT/DF**
  - Accurate DF measurement by interferometer technique
  - Accurate measurement of communication signal parameters
  - Accurate emitter classification and geo-location

- **ESM**
  - Long range automatic detection and identification of emitting targets
  - Emitting targets geo-location

Technical Data (for the present configuration)

- Maximum Take Off Weight (MTOW) - 2200 kg.
- Maximum mission payload weight - 220 kg.
- Main rotor diameter - 11.02 m.
- Tail rotor diameter - 1.91 m.
- Length (without payloads):
  - Overall, rotors turning - 12.84 m.
  - Fuselage, tail rotor turning - 10.17 m.
- Width (without payloads, blades folded) - 2.6 m.
- Height to top of rotor head - 2.97 m.

Performance

- Endurance - 6 hours
- Ceiling - 15000 ft.
- Loiter speed - 60 Knots
- Max speed - 100 Knots

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IAI MALAT DIVISION
Military Aircraft Group
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