

# MORE Presentation

## June 2022



MILITARY OPTICAL RF EQUIPMENT Ltd.

A MEMBER OF **EM** GROUP

**Confidentiality statement:**

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# About MORE

- ✓ Israeli company operating in defence and homeland security markets
- ✓ Unique portfolio of Electronic Warfare and Signal Intelligence products
- ✓ Low SWaP Payloads designed for UAS Group 2 and Group 3 installation
- ✓ Our products were successfully demonstrated at various operational scenarios
- ✓ Customers includes IMOD and US DoD

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# Our unique proposition

- ✓ Low SWaP tactical Integrated SIGINT and EW Payloads
- ✓ Payloads installed on UAV group 2 and 3
- ✓ Increased Line of Sight operation enables much earlier enemy threats detection
- ✓ Close support and protection for maneuvering ground and naval forces
- ✓ Full provision of situational awareness and real-time creation of Electronic Order of Battle
- ✓ Providing game changer for SOF operation

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# Manufacturing Transfer to US Motivation

- ✓ The company is focused on the US Defense Market
- ✓ Company's major customer is the US DoD
- ✓ The company is expected to increase the backlog of orders for the DoD
- ✓ Business cooperation with US based UAV / Drones manufacturing companies to increase company market share

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# Our Approach to EW

- ✓ Robust solutions
  - Advanced & Legacy threats
  - Diverse scenarios
  - Customers do not share enough details regarding their operational needs
- ✓ Intelligence
  - Hard to get & expensive
  - Always changing
- ✓ Simplicity
  - Technological
  - Operational
- ✓ Small SWaP

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# Our Operational Concept

- ✓ Low SWaP tactical Integrated SIGINT and EW Payloads
- ✓ Payloads installed on UAV group 2 and 3
- ✓ Increased Line of Sight operation enables much earlier enemy threats detection
- ✓ Close support and protection for maneuvering ground and naval forces
- ✓ Full provision of situational awareness and real-time creation of Electronic Order of Battle
- ✓ Naval force escort operation enables detection of lethal threats especially sea skimming missiles in much earlier stages providing critical time for activation of counter measures and maneuvers

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# Products

## “Light Shield”/ ”Wet Eyes”

- Advanced SIGINT small form factor Receiver allowing extended operational capabilities in the modern electromagnetic/EW battlefield
- The payload provides situational awareness and real-time creation of Electronic Order of Battle
- The system incorporates both real time FFT and Correlation techniques for higher sensitivity and time resolution

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# Products

## “Light Shield”/ ”Wet Eyes”

- The systems provides full hostile emitters activities description
- The description includes all relevant parameters and internal modulation scheme
- Hostile emitter’s directions and geo – locations is provided in real time during the mission

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# Products

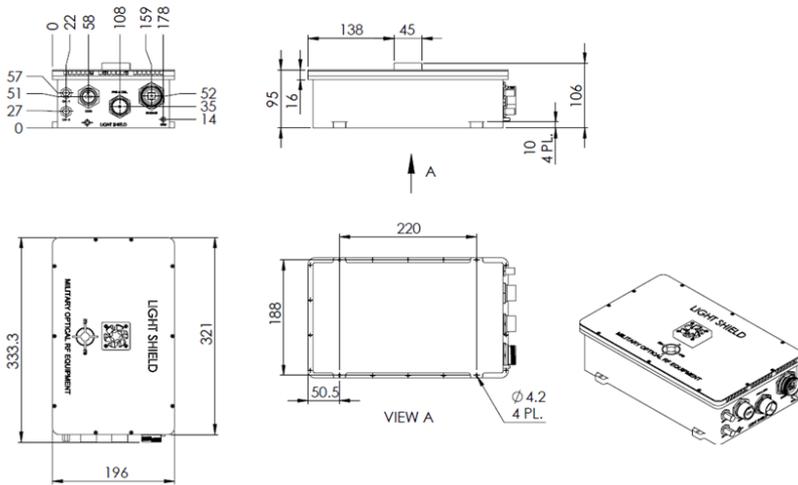
## “Light Shield”/”Wet Eyes”

- Frequency Bands : HF - Ku
- High sensitivity
- High Instantaneous Bandwidth
- High Dynamic Range
- DF and Geolocation capabilities
- PDW and Raw Data recording for advance processing capabilities
- Advanced signal processing algorithms and hardware

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# Products

## “Light Shield”



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# Products

## “Compact Suit”

- “Compact Suit” is a multi-mission integrated Electronic Intelligence and Electronic Warfare system
- “Compact Suit” enables domination in a variety of operational scenarios, starting with low footprint deception of specific threats and selectively increasing impact up to intensive engagement of the entire arena
- Low SWaP designed for small platforms installations
- The system supports Electronic Intelligence (ELINT) operations in addition to state of the art Electronic Warfare capabilities that may be used in various operational scenarios including Self Protection and Escort Jamming

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# Products

## “Compact Suit”

- Ideal solution for Air Lunched Effect (ALE) concept
- Capable engaging multispectral Integrated Air Defense System simultaneously
- Naval “Off Board” application can be very useful by both improving the threat detection range of the threat and increasing the jamming efficiency
- Ground forces escort for hostile emitter’s detections and mitigation

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# Products

## “Compact Suit”

### RWR/ESM/ELINT Capabilities

- Situational awareness and real-time creation of Electronic Order of Battle
- High Probability of Interception
- High Sensitivity and Dynamic Range
- Streaming Pulse Descriptor Word
- Selective threats Raw Data recording for advance processing capabilities
- Electronic Attack section management and control
- Chaff management control

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# Products

## “Compact Suit”

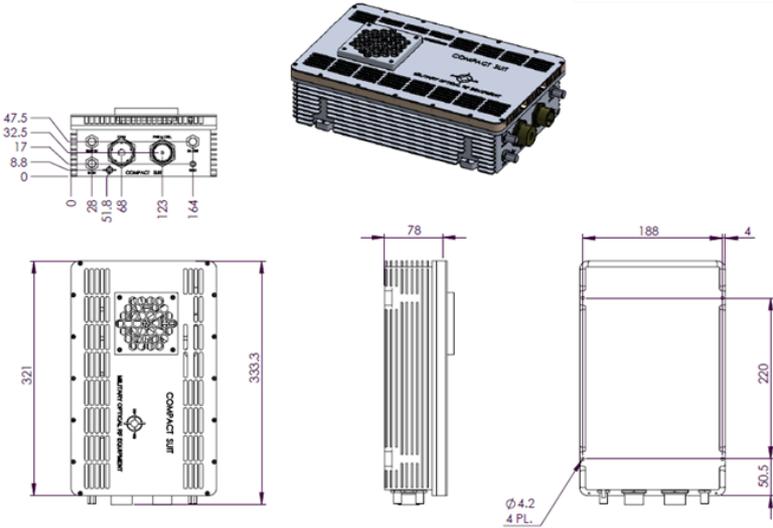
### Electronic Attack Capabilities

- CRVGPO
- Range Doppler Cover Pulse
- False Targets
- Phase Modulation
- Amplitude Modulation

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# Products

## “Compact Suit”



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