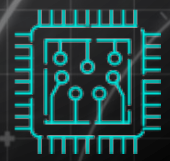
COMPANY OVERVIEW

MORE

MILITARY OPTICAL RF EQUIPMENT LTD.

ABOUT MORE

Pioneering Next-Generation Electronic Warfare



Proprietary **Optical RF Memory (ORFM)** - disruptive technology redefining spectrum dominance

Proven **Electronic Attack (EA) & ELINT** systems, TRL 7/8, field-tested & validated

Integration on **UAVs, USVs, UGVs, and manned platforms** - compact & scalable

Trusted by leading defense customers - **Israeli MOD, U.S. DoD**

CUSTOMERS & VALIDATION

Proven operational validation with top-tier defense customers

Israeli Ministry of Defense

U.S. Department of Defense

STRATEGIC FOCUS AREAS

Next Generation
integrated
EW/ELINT suites

Distributed UAV ELINT
and Electronic Warfare
BLOS applications

EMSO
training and system
validation

UNIQUE VALUE PROPOSITION

- ✓ **Proprietary ORFM-DRFM technology** - unmatched in effectiveness against modern threats
- ✓ **TRL 7/8** - systems field-tested and combat scenario-validated
- ✓ **Compact, scalable solutions** enabling integration on UAVs, ships, and land platforms

CHALLENGES IN THE MODERN EW ARENA

- **Advanced LPI Radars** with advanced Real-Time Processing capabilities
- **Resilient Systems** with ECCM, Beamforming, and Frequency Agility
- **Dense and dynamic environment** multiple simultaneous transmissions, Radars, and Communication channels
- **Integrated Multi-Band Radar** and Sensor Data Fusion

CURRENT ELECTRONIC ATTACK SOLUTIONS

DRFM BASED *

- **Limited bandwidth** weakens effectiveness against modern wideband radars
- **Reduced DRFM** effectiveness versus LPI systems
- **Vulnerable** to advanced ECCM techniques
- **Hi-latency** limits self-protection effectiveness
- **DRFM-based systems** require prior knowledge of radar parameters to build threat libraries and generate responses

* Digital RF Memory

*Key Benefits of ORFM-Based Systems

Ultra-Wide Bandwidth
enables simultaneous engagement of multiple threats across different spectral bands

Ultra-Low Latency
provides extremely fast response, critical for self-protection applications

Effective Against LPI Radars
supports generation of complex multi-target scenarios, **independent of radar/seeker signal detection or processing**

Resistant to ECCM
maintains faithful replication of original signal characteristics

Intelligence-Independent
ORFM replicates any received signal in real time, removing the need for threat libraries

* Optical RF Memory

MORE's Family of Systems

“Tactical Sense”

The System

An advanced **SIGINT** (Radars and Communication links) small-form-factor system designed for installation on UAS group 3 for **BLOS operations**

Operational Concept

The operational model includes cooperation between multiple systems (across 10 aerial platforms) for increasing situational awareness and providing Electronic Order of Battle

The Capabilities

Situational awareness and real-time creation of Electronic Order of Battle

The Structure

The system incorporates wideband, high-sensitivity SDR, advanced real-time processing procedures, and sophisticated algorithms

Specifications

Frequency Coverage: 50MHz – 18GHz
Instantaneous Bandwidth: 1.25GHz(per payload)
Sensitivity: -85dbm
Real-time PDW and Raw Data recording for advanced processing
De Interleaving capabilities: up to 50 emitters
DF (interferometric-based) and Geolocation capabilities

“Light Shield”

The System

An advanced **SIGINT**(Radars and Communication links) small-form-factor system designed for installation on UAS group 3 for **BLOS operations**

The Capabilities

Situational awareness and real-time creation of Electronic Order of Battle

Operational Concept

The operational model includes cooperation between multiple systems for increasing situational awareness and providing Electronic Order of Battle

The Structure

The system incorporates wideband, high-sensitivity SDR, advanced real-time processing procedures, and sophisticated algorithms

“Compact Suite”

The System

Multi-mission integrated **Electronic Intelligence** and **Electronic Warfare system** Suitable for **small platforms**

EA Section

Equipped with innovative **ORFM** * and **DRFM** technology, capable of generating advanced, wideband EW techniques

EA capabilities

CRVGPO
Range Doppler Bin Masking
False Targets
Phase Modulation
Amplitude Modulation

ES Section

Situational awareness and real-time creation of Electronic Order of Battle

Operational Concept

BLOS **ELINT, Stand-In EA**, and **Off-Board Escort Jamming** operations

ES capabilities

High Probability of Interception
High Sensitivity
Streaming PDW
Selective threats raw data recording for advanced processing capabilities

* Optical RF Memory

“Light Suite”

The System

Multi-mission integrated **Electronic Intelligence** and **Electronic Warfare system**
Suitable **for naval and aerial** platforms

ES Section

Situational awareness and real-time creation of Electronic Order of Battle

EA Section

Equipped with innovative ORFM * and DRFM technology, capable of generating advanced, wideband EW techniques

Operational Concept

The system supports Electronic Intelligence (ELINT) operations and state-of-the-art Electronic Warfare capabilities that are used in various operational scenarios, including **Self-Protection** and **Escort Jamming**

* Optical RF Memory

ES capabilities

High Probability of Interception
High Sensitivity
Streaming PDW
Selective threats raw data recording for advanced processing capabilities

EA capabilities

CRVGPO
Range Doppler Bin Masking
False Targets
Phase Modulation
Amplitude Modulation

“EMOEE”

The System
Enhances the ability to simulate complex threat environments, providing valuable insights into electromagnetic spectrum warfare

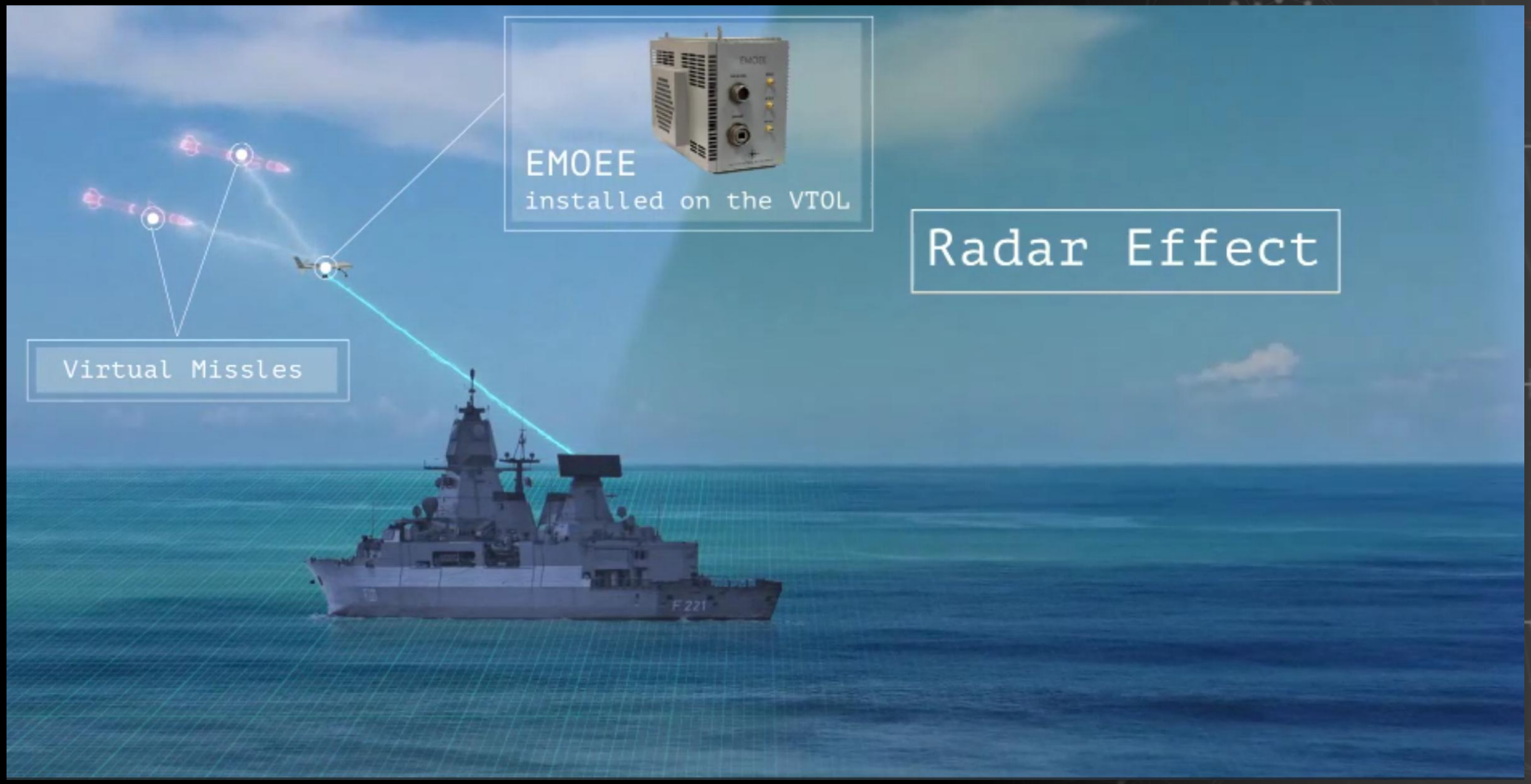
Target Capabilities
Emulates various Radar signatures, mimicking threats such as enemy aircraft, cruise missiles, and low-flying drones

Operational Concept
Creates a realistic operational scenario for testing Radar and EW systems

Seeker capabilities
Seeker emulator replicates the entire Radar processing sequence, including cross-correlation, real-time generation of a Range Doppler map, and additional mechanisms such as CFAR (Constant False Alarm Rate

Unique solution
System integrated into a drone platform, enabling dynamic and flexible simulation of electromagnetic threats from the air

“EMOEE”

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