

COMPANY OVERVIEW
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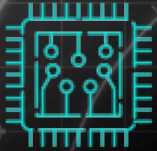
COMPANY OVERVIEW

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

ES capabilities

High Probability of Interception
High Sensitivity
Streaming PDW

Selective threats raw data recording
for advanced processing capabilities



Operational Concept

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

* 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

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

* Optical RF Memory

“EMOEE”

The System

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

Operational Concept

Creates a realistic operational scenario for testing Radar and EW systems

Unique solution

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



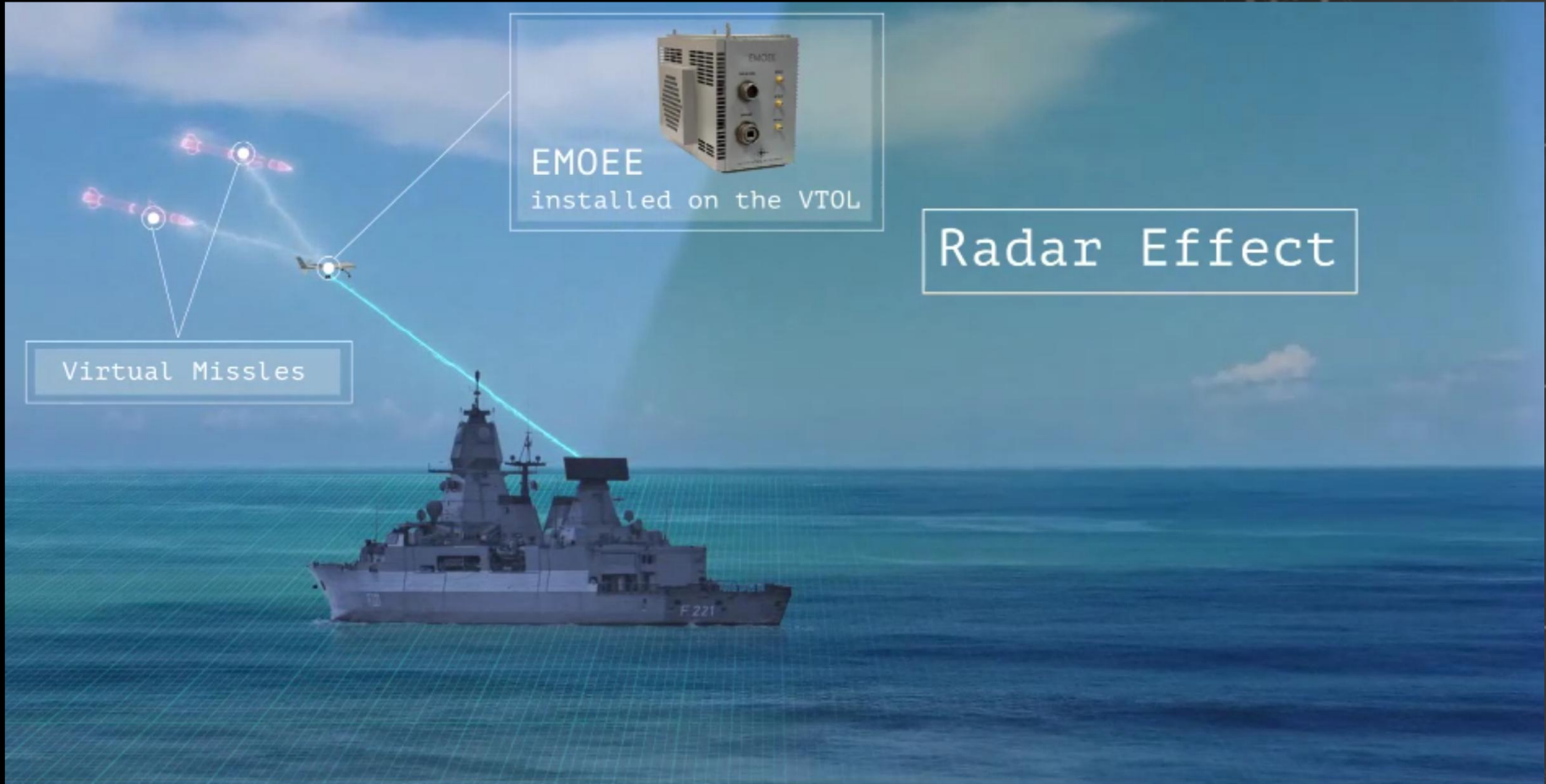
Target Capabilities

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

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)

“EMOEE”



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