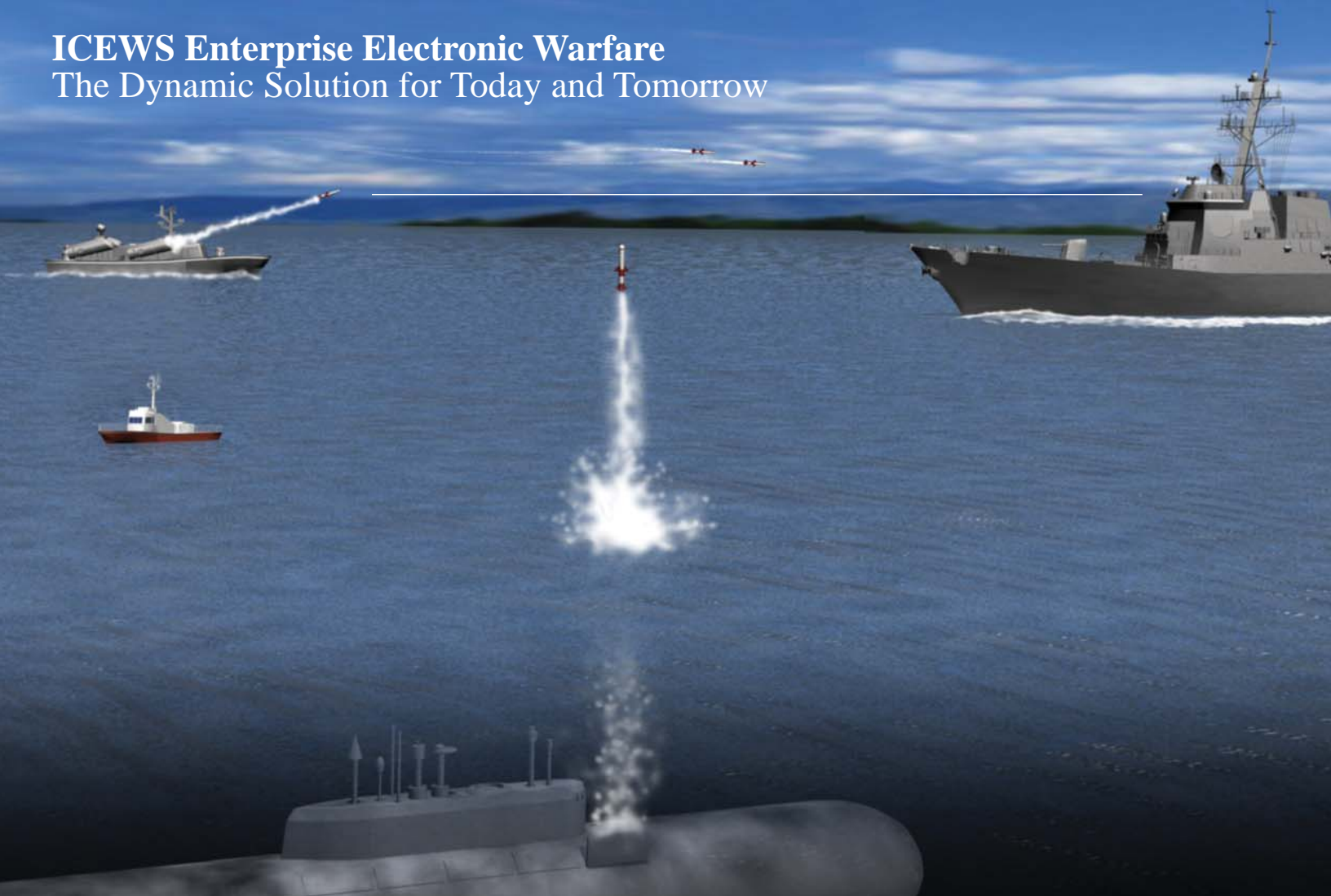




LOCKHEED MARTIN 
We never forget who we're working for®

ICEWS Enterprise Electronic Warfare
The Dynamic Solution for Today and Tomorrow



Modular/Open System Architecture—Optimized Performance Today, Mission Growth for Tomorrow

High Performance

Mature proven multiplatform designs reduce risk by providing:

Low Latency for Rapid Response

< 200 ms of end-to-end latency ensures effective support for countermeasure

Proven High Pulse Throughput

Scalable system that meets pulse density requirements for littoral operations and beyond

Demonstrated Accuracy

Accuracy that meets the most stringent angular requirements for surface platforms

Precision Identification

Precision identification with low false alarm rate

The Lockheed Martin ICEWS is the dynamic solution offering flexibility and a state-of-the-industry, high-capability enterprise framework.

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An ISO 9001, AS9100B, ISO 14001, and
CMMI® Maturity Level 4 Company
PIRA/SYR200710001

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ICEWS Enterprise Electronic Warfare—The Dynamic Solution for Today and Tomorrow

The Lockheed Martin Integrated Common Electronic Warfare System (ICEWS) is a scalable enterprise solution that scales from small deck to large deck platforms. The modular architecture of ICEWS provides accurate, platform independent and effective mission protection. Software independence from the underlying infrastructure is maintained through use of Commercial-Off-The-Shelf (COTS) processors, operating systems, network architectures and open system standard interfaces. System growth and change are easily accomplished through the use of common interfaces, modular architecture, a scalable network, and external gateways. The flexible countermeasure and combat system interface meets varied platform installation requirements with minimal change.

The system leverages in-place logistics changes and is designed for low life-cycle cost. The system is designed to operate in any channel/platform combination, providing maximum configuration flexibility for varied platforms and missions.

Scalable Architecture

Scalable through the use of proven technology, COTS, and non-developmental items (NDIs) that provide:

N Channel Scalability

An enterprise solution that provides a common architecture across platforms from LCS to CVN.

Scalable for Evolving Threats

Support for high-gain, high-sense components.

Standard Countermeasure

Interface Support

Supports infrared, electronic attack, and decoy countermeasures.

Features

- Precision azimuth/elevation in all environments
- Proven multi-path recognition and rejection techniques
- Multi-sensor situational awareness
- Reduced electromagnetic interference (EMI)/improved electromagnetic compatibility (EMC)
- Integrated hardkill/softkill decisions
- Frequency support to millimeter wave and beyond
- Antenna-independent architecture for multi-platform support

Open System Standards

Total COTS solution utilizing open system architecture provides:

Common Interface Across Platforms

Training only required once for all platforms.

Modular, Isolated Interfaces

Cross-platform compatibility with minimal change.

Open System Standard Interfaces

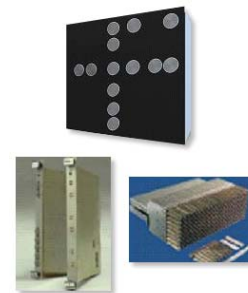
Modular Operational System Approach
Evaluated Exceptional-Software
independence from infrastructure and the use of risk-reduction software.

Proven Rapid COTS Insertion Approach

Ensures rapid technology insertion to provide best war fighting capability at lowest cost.

Embedded, Adaptive Interactive Electronic Technical Manual

Training and maintenance efficiency.



The Lockheed Martin ICEWS provides proven performance in a modular system to meet the challenging Naval ES enterprise requirements