Motorola Solutions
Solving for safer

MOTOROLA SOLUTIONS

Critical Communications

Connecting teams to communicate clearly and reliably

Enterprise

- 150+ countries
- 1M+ radios deployed
- 1000s of systems worldwide

Mission Critical

- 100+ countries
- 50+ nationwide, statewide systems
- 5M+ radios deployed

Broadband

- 1M+ broadband PTT users
- 500+ deployments worldwide

Business Devices — Public Safety Devices — Broadband Devices

Motorola Solutions Completes Acquisition of Silvus Technologies Holding Inc.

Adds mobile ad-hoc network leadership and extends company into a multi-billion-dollar, rapidly growing addressable market for drone and unmanned systems

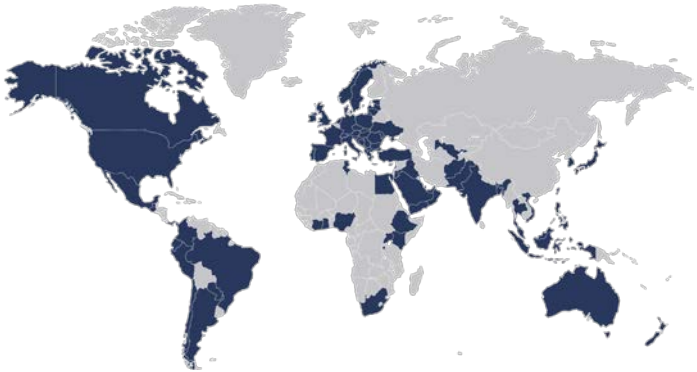
CHICAGO – Aug. 6, 2025 – Motorola Solutions (NYSE: MSI) has completed its acquisition of Silvus Technologies Holdings Inc. ("Silvus"), a global leader in mission-critical mobile ad-hoc networks (MANET), based in Los Angeles, California.

WELCOME TO SILVUS

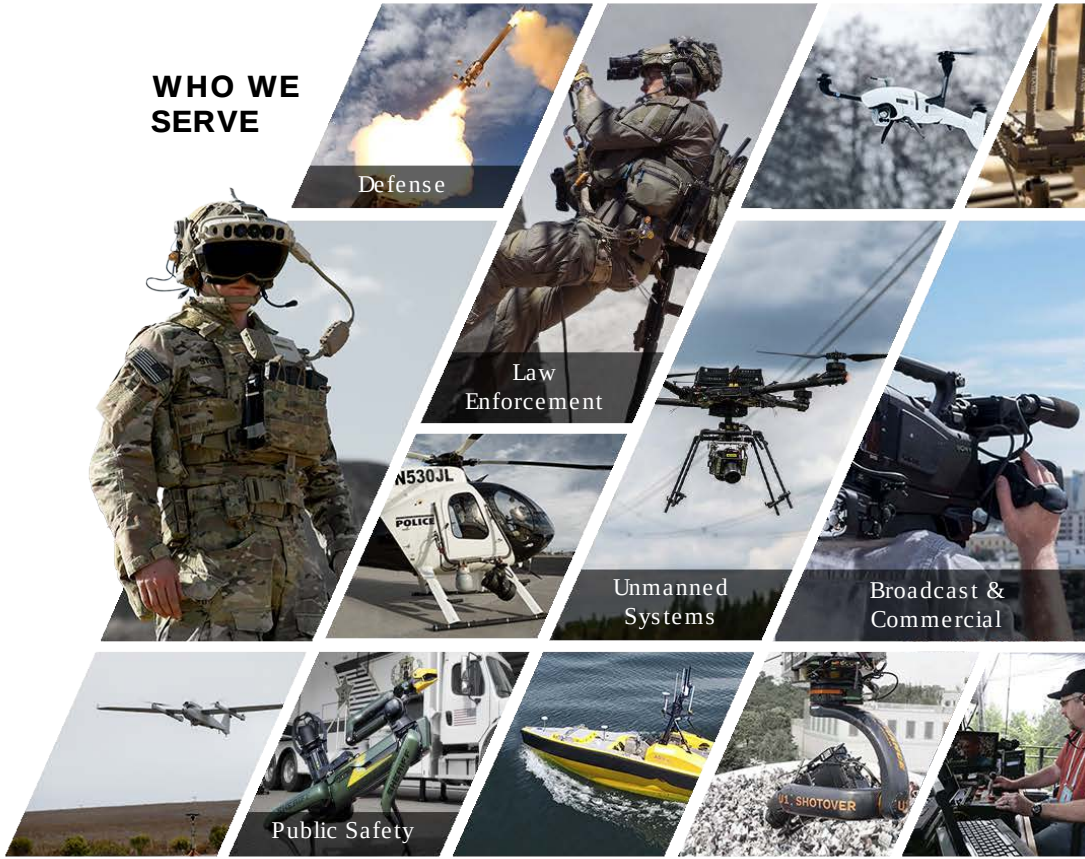
20+ YEARS INNOVATING COMMUNICATIONS FOR THE TACTICAL EDGE

WHO WE ARE

- Solving 'DARPA Hard' Problems Since 2004
  - $80MM+ R&D Contracts
  - 350+ Employees Around the World
  - Multiple Patents
- Products & Technology – Engineered to Perform
  - U.S. Based – Design/Build/Test; NDAA Compliant
  - ATO Certified; MIL-STD-810G; JETDAS Designation
  - ISO 9001:2015 Certified; Industry Leading Initial Quality Rate
- Global Reach
  - 100,000+ Units Delivered Worldwide
  - 800+ Customers (U.S. & Allied Nations)



WHO WE SERVE



MOBILE NETWORKED MIMO WAVEFORM

MN-MIMO ~ 20+ YEARS ADVANCING WIRELESS R&D

SILVUS TECHNOLOGIES
a Motorola Solutions Company

PROPRIETARY WAVEFORM TECHNOLOGY

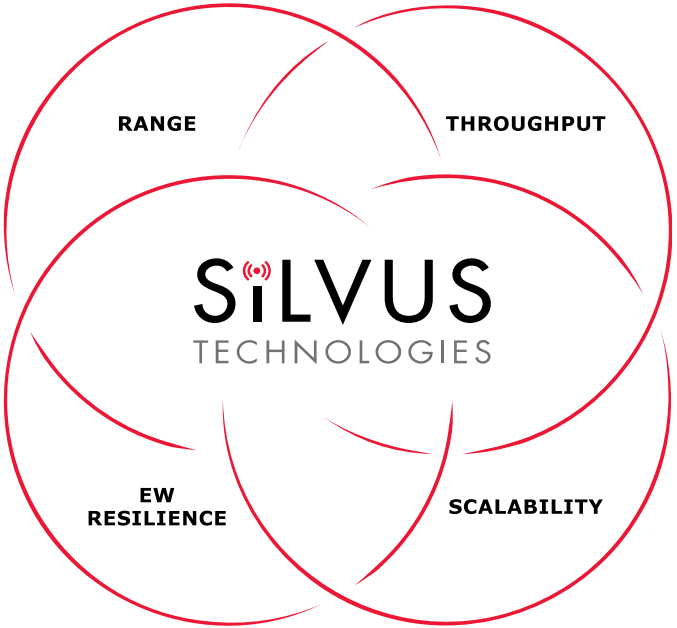
Designed to outmaneuver Tactical RF challenges in any Environment

- Delivering class-leading Throughput, Range, EW Resilience and Scalability
- Delivers unsurpassed Data Rates – Mobile, Long-Range, Multi-path, Non-line-of-Sight and complex RF Spectrum Environments
- Continuously evolving – New Capabilities enabled via Firmware Updates

REVOLUTIONARY PERFORMANCE

COFDM modulation, MIMO Antenna Techniques & Mobile Ad Hoc Networking

- Automatically Monitors Channel Link Conditions – Choosing the optimal MIMO technique to Maximize Performance
- TX Eigen Beamforming – Up to 4x Effective Transmit Power & Range
- Multicast & Unicast Datagram Support (IPv4 and IPv6)
- Advanced Networking (DHCP, DLEP, DSCP), Virtual IP/LAN/WAN
- No Fixed Range, Hop Limits or Timing Limitations
- Adaptive Routing, Modulation & Coding – Maximize Data Rate

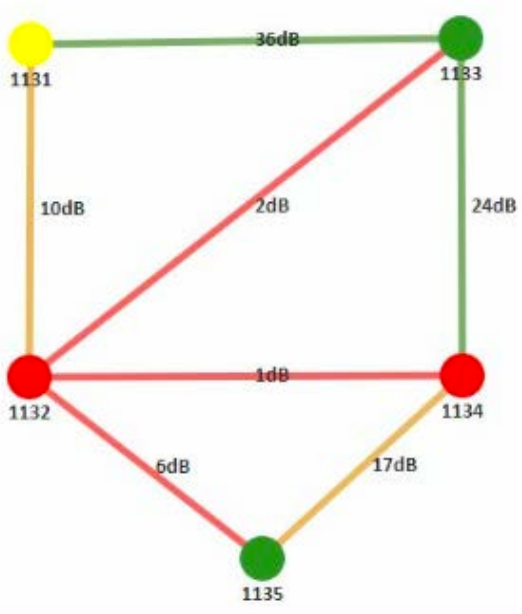


WHAT MANET MEANS?

Key technological elements

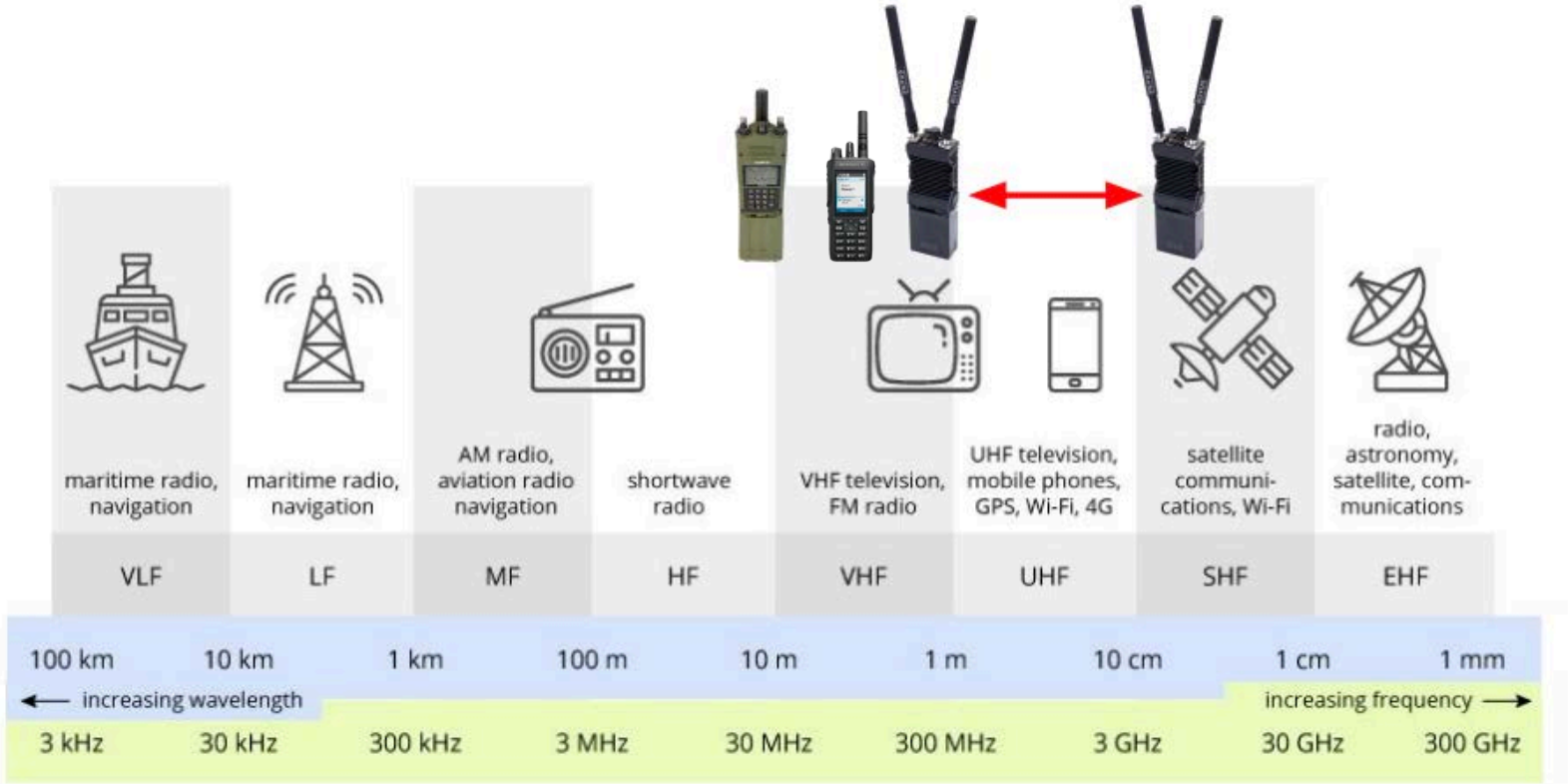
What is MANET? Mobile Ad-hoc Networking.

- OSI Layer 2 Network
  - Transmit IP data for voice, video, PLI, etc.
- No central control node
  - No single point of failure
- All links are bidirectional
- All radios are repeaters/relays
- Radios automatically reconnect (self heeling)
  - Support dynamic environments and mobile nodes
- Resilient to interference and jamming



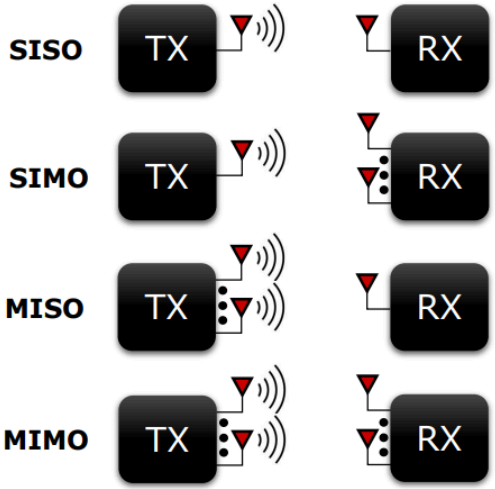
WHAT SPRECTRUM? L – S – C bands

Key technological elements



MIMO Technology

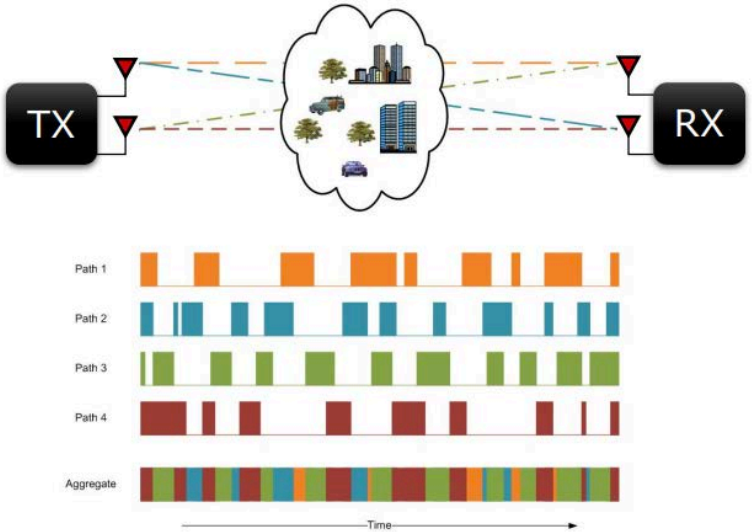
Key technological elements



MIMO TERMINOLOGY

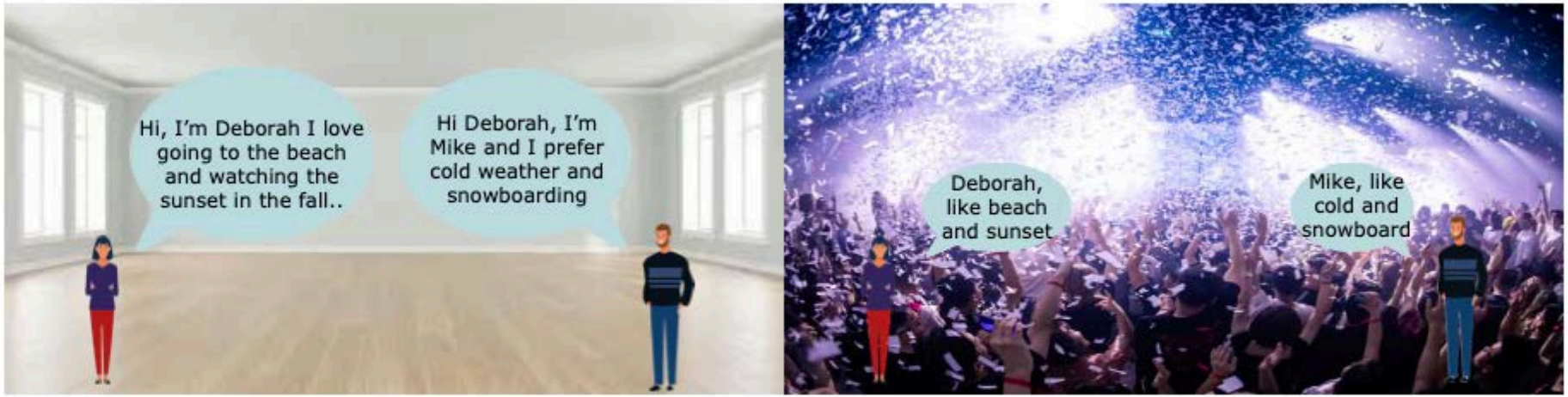
2x2 MIMO
- 2 Transmit Channels
- 2 Receive Channels

4x4 MIMO
- 4 Transmit Channels
- 4 Receive Channels



ADAPTIVE MODULATION SCHEMES

Key technological elements



MCS is how efficiently the radios communicate.

Based on signal strength of each radio link.

COMPETITIVE ADVANTAGE

SDR RADIOS & MN-MIMO WAVEFORM | PROPRIETARY HARDWARE & WAVEFORM DESIGN

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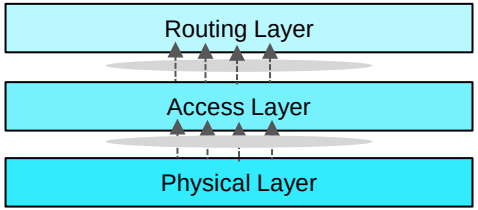
STREAMCASTER RADIOS – COTS FOUNDATION

Engineered from the Ground Up for Superior Performance, Reliability & Operational Flexibility

- Full Control of PHY to Routing Layer
- FPGA - Powerful System-on-Chip (SOC) – MIMO Signal Processing & Mesh Network Techniques
- Optimized Power & Flexible System Integration – OEM and Ruggedized Form Factors
- Not Constrained by Wi-Fi 802.11 Chipset Limitations

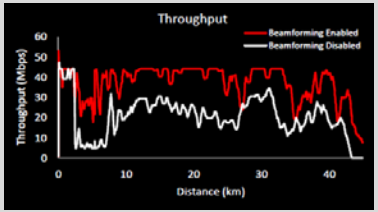


PROPRIETARY WAVEFORM TECHNOLOGY

Integrated & Robust Feature Set – Continuous Product Improvement to meet Emerging Customer Needs

TX BEAMFORMING

Enhanced Signal Power, Throughput & Range
Without Sacrificing LPI/LPD

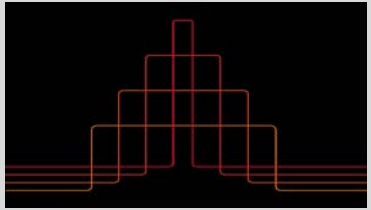


DIRECTIONAL RADIATION

- Manipulation of Phase & Amplitude of Signal
- Maximize Signal Strength of Each Node Link
- Up to 4X Effective Transmit Power
- Up to 4X Reduced Transmit Power (reducing transmit power footprint)

VARIABLE CHANNEL SIZE

Adjustable Bandwidth to Maximize
Operational Performance



CONFIGURABLE BANDWIDTH MODES

- User Selectable Channel Size 20/10/5/2.5/ 1.25 MHz
- Narrower Bandwidths – Greater Range, Less Power
- Wider Bandwidths – Greater Throughput, Less Duty Cycle

CONFIGURABLE TRAINING SYMBOLS

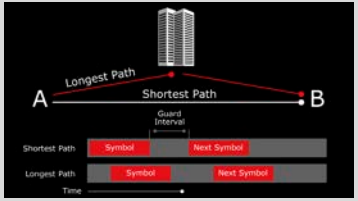
Optimizes Packet Delivery
In Highly Mobile Environments

IMPROVED MOBILITY PERFORMANCE

- Training Symbols interleaved throughout packet
- Adjusts RX Gain based on Dynamically Changing Channel Conditions
- Overcomes degradation due to high mobility

VARIABLE GUARD INTERVAL

Compensates for Delay Spread
Based on Channel Conditions



MULTI-PATH ENVIRONMENT SENSING

- Dynamically Adapts to Minimize Error Rate
- Achieve Higher MCS – Data Rates & Throughput
- Increased Robustness of Data Connection

CONTESETED ENVIRONMENT

Anti-jamming capabilities

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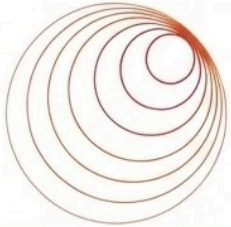
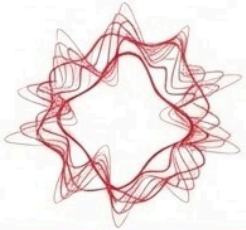
SPECTRUM DOMINANCE

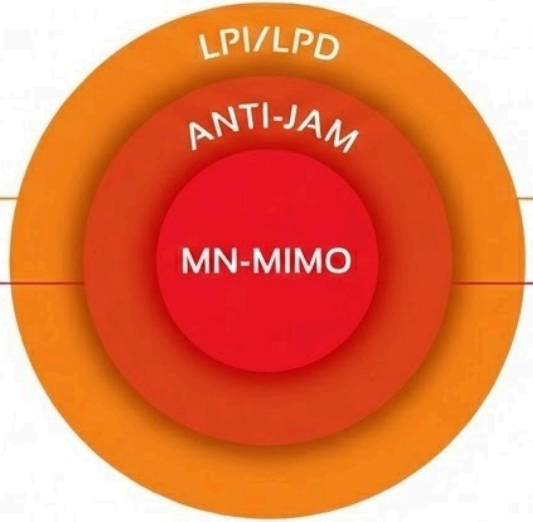
LPI/LPD & Anti-Jamming Capabilities

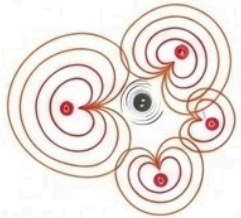
MANET Power Control
MAN-PC



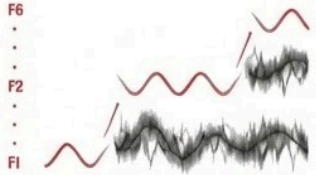
MANET Protected Waveform
MAN-PW







MANET Interference Cancellation
MAN-IC



MANET Interference Avoidance
MAN-IA

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SOFTWARE DEFINE RADIO IN DIFFERENT FORM FACTORS

Superior Performance & EW Resiliency

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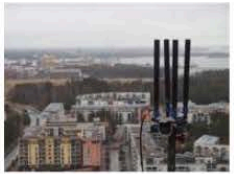
Mobile, high-power configuration	Handheld, mid-power configuration	Connected Soldier NEXUS Streamcaster	OEM Module
			
  	 		

DEFENSE – ARMY applications

UNIFIED COMMUNICATIONS NETWORK ACROSS MULTI-DOMAIN OPERATIONS

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SOLDIER LETHALITY	AUTONOMOUS / UNMANNED PLATFORMS	THE NETWORK	AIR AND MISSILE DEFENSE	THE NETWORK
Flat Battalion Scale Networks	Manned / Unmanned Teaming	Command to Distributed Operations	Fusing Sensors to Shooters	Line-of-Sight Logistics Data Exchange
Massively Scalable Mesh Networks	Secure C2 & Comms Network	Unified Communications Network	Battlefield Communications Mesh Network	High Bandwidth Long-Range Connectivity

Program Notables

SINGLE CHANNEL DATA RADIO	UXS A (ISV)	NEXT GENERATION COMMAND & CONTROL	INTEGRATED BATTLE COMMAND SYSTEM	SUSTAINMENT TRANSPORT SYSTEM

DEFENSE – NAVY/MARITTIME applications

UNIFIED COMMUNCIATIONS NETWORK ACROSS MULTI-DOMAIN OPERATIONS

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AUTONOMOUS/UNMANNED PLATFORMS

ISR | RSTA | Remote Resupply

Secure C2 & Comms Network

Program Notables

- LONG RANGE UNMANNED SURFACE VESSEL
- AUTONOMOUS LOW PROFILE VESSEL
- SUAS ISR; TRUAS
- USV MINE COUNTERMEASURES

LITTORAL & LAND SYSTEMS

RSTA | Precision Strike | Expeditionary C4/UAS

Secure C2 & EW Resilient Mesh Network
MUM-T | sensor-to-Shooter Connectivity

- ADVANCED RECONNAISSANCE VEHICLE
- ORGANIC PRECISION FIRES MOUNTED
- NETWORKING ON THE MOVE

MAGTIF AIR DEFENSE

C-UAS | C2 & Fire Unit Control

Secure C2 & EW Resilient Connectivity
Fusing Multi-Sensors to Effectors

- GROUND BASED AIR DEFENSE C-UAS
- MARINE AIR DEFENSE INTEGRATED SYSTEM
- LIGHT MARINE AIR DEFENSE INTEGRATED SYSTEM

UxV OEM MANUFACTURERS

C2 & PROTECTED COMMS FOR LEADING EDGE PLATFORMS | INTEROPERABLE SYSTEMS OF SYSTEMS APPROACH

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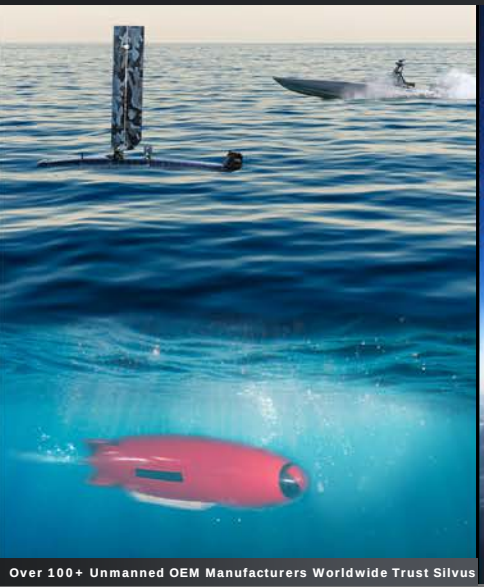
Maritime - USV | UUV | AUV



Over 100+ Unmanned OEM Manufacturers Worldwide Trust Silvus

Stratospheric – High | Mid | Low

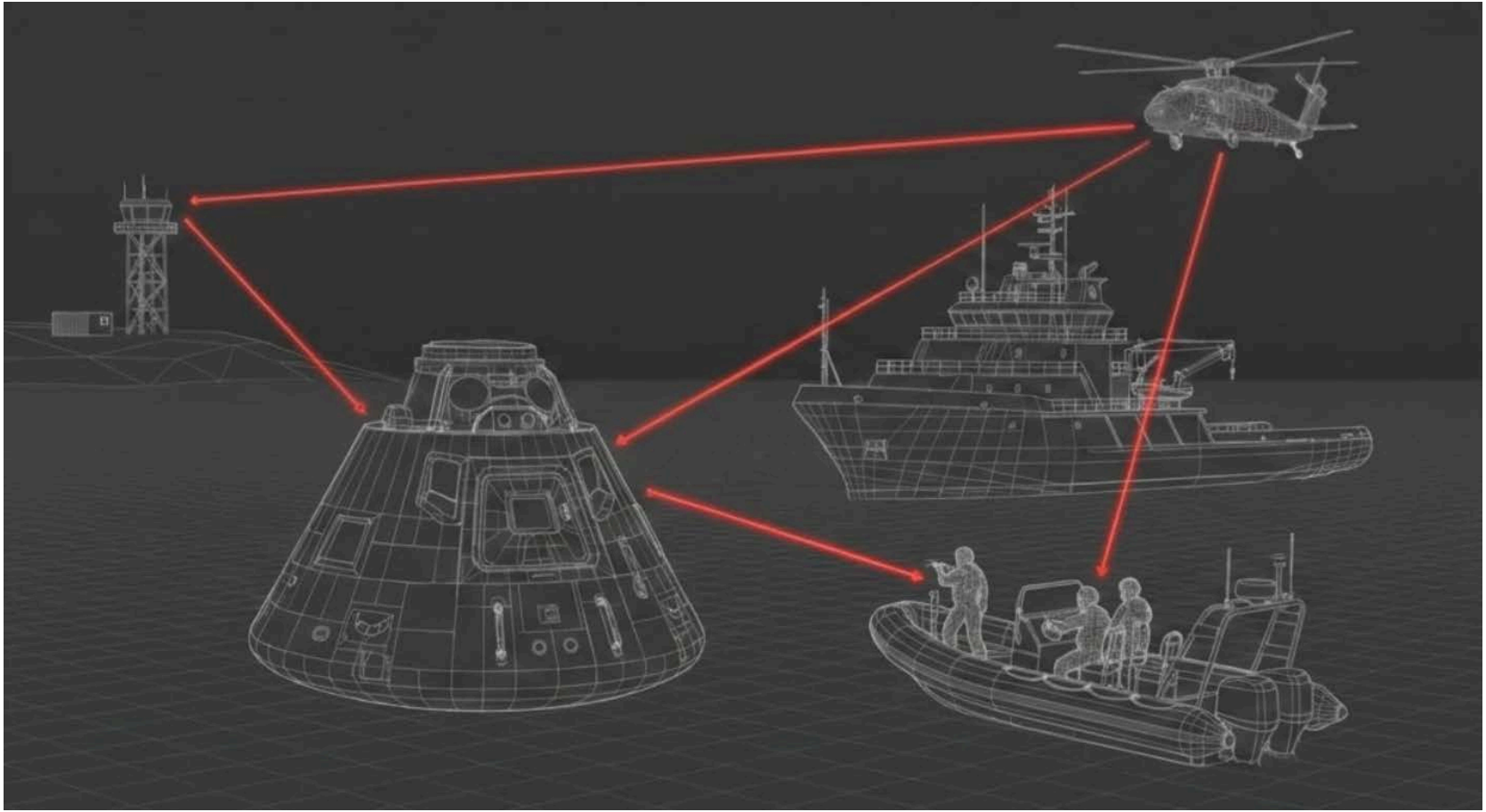
Air – UAV | Loitering Munitions

Ground – UGV | VHA | Q-UGV

AeroVironment | ANDURIL | COMMAIRIS | GHOSTROBOTICS TECHNOLOGY | HOVERFLY | OCEAN AERO | QUANTUM SYSTEMS | UVision Smart Loitering Systems

Recent Use Case – Artemis 2 Splash down

Real world experience




ACCESS
PANEL

MOTOROLA SOLUTIONS

THANK YOU