

ELBIT SYSTEMS.

Unmanned Turret UT30

Will be on display by graphics

Combat-proven firepower for armored personnel carriers; fully overhead without compromising troop safety encompassing a broad range of weapon systems, countermeasures and advanced electro-optics. the system can be configured with all types of cannons (25 or, 30 and supper 40mm), coaxial machine guns (7.62mm/0.3") and guided anti-tank missiles. Featuring a high first-round hit probability, the dual-axis stabilized UT30 is designed for firing on-the-move and at moving targets. It is fully overhead with full under armor loading, reloading and all immediate action capability.



Soltam CARDOM

Unique self-propelled recoiling mortar; capable of firing in any condition and at every angle (360 degrees) A 81/120mm autonomous, self-propelled recoiling mortar mounted on a tracked or wheeled vehicle, the Soltam CARDOM provides significant advantages including fast deployment, accuracy, area coverage, as well as tactical mobility, flexibility and survivability. Equipped with cutting edge navigation, command, control and communications (C3) devices, the Soltam CARDOM offers infantry and mortar commanders enhanced operational capabilities, quick response time and automatic laying features. Battle-proven and NATO-qualified, the Soltam CARDOM system is currently in use with the U.S. Army and the Israel Defense Forces (IDF).

FPR-10 - Foliage Penetration Radar

FPR-10 is a Ground Surveillance Radar (GSR) providing long-range, accurate, high-resolution detection of vehicles and personnel that are located in or behind foliage. The FPR-10 is designed to withstand harsh environmental conditions as well as foliage interferences and disturbances. FPR-10 covers a wide range in azimuth and elevation, together with long-range detection, even in areas of dense foliage. High reliability of FPR is achieved by the radar's sophisticated design, which has no moving parts. Large areas - including international borders, air and seaports - can be secured through the use of multiple units that together provide end-to-end, overlapping coverage.



LCTS - Combat Vehicle (Live Combat Training System)

Innovative live training suite, combines laser with augmented reality technologies, for all land platforms

LCTS – Combat Vehicle is Elbit Systems' solution for the Indian Army's SIMFIRE project. LCTS is a complete training suite for any type of tank and Armoured Combat Vehicle / Infantry Combat Vehicle (ACV/ICV). For easy installation, the system is composed of laser emitters, wireless sensors with 360 degrees coverage and an on-vehicle central training module and is connected to the user friendly, exercise control center through wireless communication. When connected to the tanks with a Thermal Imaging Fire Control System (TIFCS), Elbit Systems' SIMFIRE allows using the tank's own laser and simulates the effect on the actual Multi-Functional Display (MFD). The system uses modern technology - eye safe lasers, augmented reality, broadband communication and accurate sensors. Together with LCTS – Soldier the system offers a complete, combined arms, exercise up to the Brigade level.

Remote Controlled Naval Weapon Station

Effective firepower for naval platforms.

The lightweight, dual-axis 12.7mm caliber weapon station is compatible with a wide variety of naval platforms including patrol vessels, frigates and missile boats. The system provides firepower of different types and origins including multi-type machine guns and automatic grenade launchers, and offers highly accurate tracking for moving targets. The weapon system enables effective combat engagement while the operator remains safe below the deck, enhancing target acquisition and survivability.



Seagull™

A new generation multi-mission and highly autonomous Unmanned Surface Vehicle (USV). Seagull is a 12-meter USV system with replaceable mission modules, operated and controlled in concert by a Mission Control System (MCS) from manned ships or from shore. The system provides mission planning, survey, search, detection, classification, Identification, neutralization and verification in support of mine hunting operations.



EHUD™

will be on display by graphics and multimedia

A “rangeless” and fully Autonomous Air Combat Maneuvering Instrumentation (AACMI) system, EHUD features advanced instrumentation and debriefing capabilities. It facilitates an optimum utilization of flight hours and other valuable resources. EHUD’s unique combination of advanced air-to-air and air-to-ground combat training includes features such as real-time kill notification and removal, real-time electronic warfare and weapons delivery simulation, and no-drop weapon scoring. The system supports an unlimited number of live participants networked through Elbit Systems’ patented data link protocol.

Sea King Simulator

The Sea King simulator is a Full Mission Simulator delivered to the Navy Helicopter Command. The simulator comprises two main components: front cockpit training based on a 6 degree of freedom motion platform with a collimated display system training the pilots in procedures and emergencies; and rear cockpit training of the Sea King rear cabin crew in the performance of missions and procedures, as well as emergencies. The simulator can work in individual mode (i.e. each cockpit operates in a separate training scenario) or in joint mode. During joint mode, both the front and rear cockpits fly in the same scenario and perform tactical missions as in real life.

EMERALD – AES 212

Modular ESM/ELINT systems for comprehensive radar detection.

The EMERALD is an operational electronic surveillance measures/electronic intelligence (ESM/ELINT) system for all types of manned and unmanned aircraft and naval platforms. Designed for the densest and most complex electromagnetic environments, it meets the rapidly evolving needs of today's modern battlefields. The system delivers sophisticated intelligence gathering capabilities for the detection and analysis of all types of radars - ground-based, airborne and shipboard.



AQUA MARINE™

Integrated Naval Radar Electronic Support Measures (RESM), Counter Electronic Support Measures (CESM), Laser Warning system (LWS) and Electronic Counter Measures (ECM) Suite



Elbit Systems EW & SIGINT-Elisra's Aqua Marine is a digital, modular, and combat-proven family of advanced naval Electronic Warfare (EW) suites designed to operate in littoral and blue waters environments. These systems are based on extensive field experience of over four decades of success with customers around the globe, including as the prime supplier to the Israeli Navy. Fully integratable and interoperable, these 5th generation lightweight and small-footprint systems provide today's most critical capabilities - situation awareness, electronic attack, ship self-defense and electronic intelligence.

NATACS 2020 - Naval Tactical COMINT/DF System

Delivers Full Naval Picture through Sophisticated Handling of Agile Communications.

NATACS 2020 is a new generation of Naval EW Systems capable of coping with advanced agile frequency communication radios. This fully integrated system - equipped with ultra-fast, Wide Band Receivers and Direction Finding (DF) Systems - is the only on-board COMINT/DF System of its kind.



NATACS' outstanding scanning rates enable the handling of extremely dense electromagnetic environments in the HF/VHF/UHF/HUHF frequency bands, characterized by frequency hopping, burst and other agile transmissions. The system's COMINT antenna can be integrated with an ESM antenna – thus allowing maximum utilization of the vessel's mast, as well as enabling significant space savings.

HPS (Helmet Pointing System)

The HPS mounted display features enhanced situational awareness and Line-of-Sight (LOS) technology for improved mission effectiveness, situational awareness and increased survivability.

HPS combines the legacy ANVIS/HUDTM helmet mounted display with innovative LOS technology and day & night HUD capabilities, enhancing crew coordination and supporting accurate weapon delivery while facilitating the operation of the helicopter's systems.



Helicopter Glass Cockpit Demonstrator

The Tactical "Glass Cockpit" Suite combines the latest display capabilities, and advanced avionics, based on previous modernization programs, including a PFD(Primary Flight Display), digital map, navigation capabilities, flight management and EFB (Electronic Flight Bag). All the systems are tailored by Elbit Systems' engineering and integration experts and are built to increase the platform's capability well into the 21st century.

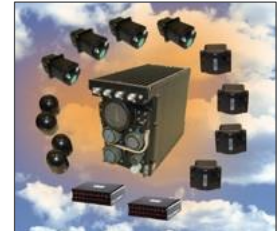


Elbit Systems' extensive and successful experience in complex systems integration projects for a wide range of helicopters and fixed-wing aircraft enables efficient and cost effective integration of systems in numerous platforms.

Our cockpit suite is a flexible, modular solution created to effectively perform under the harsh and demanding conditions created by low altitude tactical environments. The Glass Cockpit provides accurate, real-time information projected on the head-down and helmet mounted display enabling safer and more precise mission execution as well as greater situational awareness.

All-in-Small™ Complete Airborne Self-Protection Suite

All-in-Small is a cutting-edge, integrated EW suite in a single LRU, with comprehensive, advanced EW capabilities. It is comprised of an EWC – Electronic Warfare Controller, RWR – digital Radar Warning Receiver, PAWS – IR Missile Warning System, LWS - advanced Laser Warning System, and CFD - Chaff/Flare Dispensing system.



The system is extremely small and lightweight and has a modular and open architecture with multiple interface abilities. The suite can be effectively integrated with direct infra-red countermeasure (DIRCM) systems, due to its high range detection and DF accuracy, by operating both in the same wavelength, thus enabling extremely fast hand-over from IR PAWS to DIRCM and enhancing deception probability. All-in-Small can be provided together with IR-Centric™, a multi-spectral emitter, as well as geo-location and net-centric capabilities.

PAWS

The PAWS family of IR-based (Infrared) Passive Warning Systems provides a comprehensive, turn-key solution for airborne platforms. The sophisticated IR Missile Warning Systems (MWS) enhance airborne platform survivability by providing advance warning of the presence of threatening missiles - and by automatic management of all types of applicable countermeasures available onboard.



The PAWS family of systems operates either as stand-alone, self-contained systems, or as part of a complete EW Defense Aid Suite (DAS). The systems provide threat information to other EW and/or avionic systems for centralized /Human Machine Interface (HMI) management.

DCoMPASS™

Will be on display by graphics

The Digital Compact Multi-Purpose Advanced Stabilized System (DComPASS) is a highly-stabilized electro-optical payload system, delivering superb day and night intelligence, surveillance, target acquisition and reconnaissance (ISTAR) capabilities in the harshest weather conditions. The multi-sensor system is designed for long-range surveillance and targeting functions for Unmanned Aircraft Systems (UAS), helicopters, fixed-wing aircraft, maritime and ground platforms. Its small dimensions, low weight, high stabilization level and coverage angles make it an optimal choice for a wide range of applications.



C-MUSIC™

Multi-Spectral Infrared Countermeasure.

C-MUSIC system is a pod-mounted direct infrared countermeasure (DIRCM) system specifically designed to protect large jet aircraft from infrared missile threats. The pod integrates advanced fiber laser and thermal imaging technologies to deflect shoulder-fired IR missiles (MANPADS) from their intended target.



C-MUSIC has been selected by the Israeli Ministry of Transportation as the protection suite for all Israel's commercial airlines.

APLAUD

An Active and Passive, Land and Air Unified Defense Solution. APLAUD is Elbit Systems EW and SIGINT – Elisra's pioneering approach to integrative SIGINT and EW. It is a multi-function, multi-mission response solution to existing and emerging threats across the entire electromagnetic spectrum. It enables seamless integration of interoperable, operational elements – ESM/ELINT, COMINT, ECM, COMJAM, and Command and Control – into one comprehensive customizable solution, operated and controlled by a single entity. APLAUD provides decision-makers of all echelons with a complete real-time SIGINT and EW picture of the arena and simultaneous operation of elements for Electronic Support (ES) and Electronic Attack (EA): passive and active intelligence, including collection, processing and exploitation, EW countermeasures and command and control.

Air Keeper EW & SIGINT Solution for Aircraft

A highly advanced solution that provides two significantly critical capabilities in one: intelligence gathering and EW defensive capacities onboard the same platform. The solution enables the aircraft to perform missions for any existing plane as cargo, tanker, transport etc.