EXHIBITION HIGHLIGHTS
Paris Air SHOW 2017, Booth A-8, Chalet A-200

The following will be launched at the exhibition;

- **Sky-Striker**
  Tactical loitering munitions for covert and precise airstrikes

- **SkEye – Multiple Eyes in the Sky**
  A Revolutionary Airborne Wide-Area Persistent Surveillance Solution (WAPSS) for HLS and Defense Needs

Elbit Systems' booth comprises a range of solutions from the Company's extensive product line:

- **All-in-Small™ Complete Airborne Self-Protection Suite**
  This extremely small and lightweight integrated Electronic Warfare (EW) suite in a single LRU is comprised of: an EW Controller (EWC), digital Radar Warning Receiver (RWR), IR Missile Warning System (MWS), advanced Laser Warning System (LWS) and Chaff/Flare Dispensing System (CFDS). It has a modular open architecture with multiple interface abilities and can be effectively integrated with Direct Infrared Countermeasures (DIRCM) systems due to its high range detection and DF accuracy, enabling quick and efficient jamming.

- **PAWS Family**
  Graphics display only
  A Combat Proven Cross-Platform Family of IR Passive Airborne Warning Systems (PAWS)
  A comprehensive self-protection solution, PAWS provides effective protection for all airborne platform-types against the most challenging modern and future threats. It supports expanded capabilities such as radar warning and laser warning, provides threat information to other EW and/or avionic systems for centralized display and management and significantly enhances an airborne platform's survivability and safety. It detects, tracks and identifies incoming missiles, alerts and initiates timely flare dispensing and precisely cues Directional IR Countermeasures (DIRCM) towards an approaching missile. PAWS is installed in a distributed configuration over the aircraft's skin, in a dedicated pod/bay, or in a pylon, and operates either as a stand-alone, self-contained system, or as part of a complete EW suite.
• **IR-CENTRIC™**  
  *Graphics display only*

**Full Protection and Situational Awareness Solution**  
A unique IR-based concept, IR-CENTRIC is a self-protection force multiplier for airborne platforms. It provides mission protection and safety enhancement from only a single system, while responding to the most modern airborne operational requirements. Utilizing the Infra-Red based Missile Warning System (IR MWS), IR-CENTRIC facilitates a multi-role, multi-function nexus. This includes a panoramic view of the battlefield, creating situational awareness, and providing a collision alert that enhances aircraft safety, navigation support, battle damage assessment (including recording, analyzing and learning) and mission support.

• **C-MUSIC™**  
  **Multi-Spectral Infrared Countermeasure**  
C-MUSIC system is a pod-mounted Directed Infrared Counter Measure (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.

• **J-MUSIC™**  
A high-performance DIRCM system for protection of aircraft against shoulder-fired-missiles (MANPADS). J-MUSIC is designed for distributed installation on a wide variety of medium to large platforms, with single or multi-turret configuration. It can also be integrated with various missile warning systems (MWS).

• **mini-MUSIC™**  
Mini-MUSIC is the newest member in Elbit Systems Electro-optics Elop's MUSIC family of proven DIRCM systems. Lightweight and compact, mini-MUSIC diverts MANPADS threats, using the same proven fiber laser technology employed by all the MUSIC systems. Providing superior protection, mini-MUSIC is easily installed on small and medium rotary and fixed-wing platforms.
• **Air Keeper**  
  ![Air Keeper Image]  
  **A Unified Airborne Intelligence and Electronic Attack (EA) Solution for Mission Aircraft**  
  Air Keeper seamlessly integrates a wide range of intelligence gathering and EW capabilities, enabling powerful control over the electromagnetic spectrum. Combining operational elements – ESM/ELINT, ECM, COMINT, COMJAM, and C2 – all operated and managed by a single entity onboard a platform, it provides mission commanders with a complete, real-time, electronic picture of the arena, while targeting communications, radar and other assets to reduce the effectiveness of enemy radar and communications systems. It allows conversion of any existing cargo, transport, or passenger aircraft into a strategic and tactical special mission (such as intelligence gathering and EA) aircraft, and can be integrated with existing self-protection solutions onboard the platform.

• **Light SPEAR™**  
  ![Light SPEAR Image]  
  **A Unique Electronic Attack (EA) and Self-Protection System for UAS**  
  A compact, extremely lightweight ESM & ECM self-protection jamming system for UAS, Light SPEAR improves UAS survivability and responds to the growing need to operate and collect accurate intelligence in highly hostile environments. It is based on multiple DRFM channels working in parallel and covering a wide spectrum. The system allows easy integration with an array of transmitters and platforms, and its low Size, Weight and Power (SWaP) consumption makes it an ideal EW system for multiple operational platforms.

• **Emerald AES-212 – Electronic Intelligence (ELINT)**  
  ![Emerald AES-212 Image]  
  **Graphics display only**  
  The modular, airborne and field-proven Emerald AES-212, an ESM/ELINT family of solutions, offers simultaneous multi-radar detection for all types of manned and unmanned aircraft platforms. The system delivers sophisticated intelligence gathering capabilities for the detection and analysis of ground-based, airborne and shipboard radar.
• **SKYFIX – Communications Intelligence (COMINT) and DF**
  
  **Graphics display only**
  
  Our COMINT/DF solutions are comprised of advanced signal demodulators, classifiers, fast wide-band receivers and activity detectors. These solutions operate together to support smart and rapid interception, identification and pinpoint detection of the most sophisticated signals spanning the full-frequency band, providing a real-time tactical picture of the battlefield.

• **SKYJAM – Communications Jamming (COMJAM) Solutions**
  
  **Graphics display only**
  
  Our smart, flexible systems for selective jamming are part of our Electronic Attack (EA) family of solutions for manned and unmanned platforms. These systems utilize sophisticated algorithms combined with components based on the most advanced technologies available today and are able to manage multiple frequency sub-bands, based on predefined threat lists and jamming priorities. These combat-proven systems are in-service with many defense forces across the world, including SOF (Special Operating Forces).

• **Spectro™ XR**
  
  SPECTRO XR is a day/night, multi-spectral electro-optical ISTAR system that provides 20” payload performance in a 15” payload. The heart of the system is a multi-spectral imaging system that combines multiple optical channels into one, allowing it to significantly improve performance without increasing size and weight.
• **Brightnite™**
  To convert any dark night into the “military pilots’ best friend”, Elbit Systems presents Brightnite, an affordable non-gimbaled uncooled FLIR sensor, that supports operational flights any night, all night by fusing a real-time video from a multi-spectral sensor, enhanced by 3D flight and mission conformal symbology. The system displays high resolution panoramic imagery to multiple pilots and crew members simultaneously on their Helmet Display and Tracking System (HDTs) regardless of visibility conditions, allowing them to successfully perform missions in more than 90% of the nights.

![Brightnite Image](image)

• **Clearvision™**
  Elbit Systems’ ClearVision is a complete, Enhanced Flight Vision System (EFVS) to enable approach, landing and rollout in extremely low visibility based upon a new FAA regulation. Clearvision covers the full flight envelope and overcomes extreme weather conditions and low visibility situations – day and night. Clearvision allows intuitive flying, independent of airport instruments, allowing operational credit for both takeoff and landing. The 4th generation multispectral EVS detects incandescent and LED runway lights with provisions to support color display. The ClearVision display fuses conformal flight guidance symbology with synthetic vision presentation and high-resolution video on the Head Up-Display (HUD) or on the Skylens wearable HUD. The Clearvision suite has already been selected by leading Part 25 platform manufacturers around the world.

![Clearvision Image](image)

• **ClearVision EVS**
  The market’s first multispectral Enhanced Vision Systems (EVS) camera, the EVS sensor allows pilots to carry on operating, and landing in low visibility conditions. The ClearVision EVS receives information from several sensors, all neatly packed into a single unit, covering different spectral bands, optimized for penetrating poor visibility and providing a fused picture that overcomes the reliance on heat generating objects.

![ClearVision EVS Image](image)
• **Skylens™**  
  Packed in a lightweight, easy-to-install device, as intuitive as a pair of sunglasses, Skylens is a revolutionary Head Up-Display (HUD) equivalent display. It allows presentation of symbology and video for guidance and Enhanced Flight Vision System (EFVS) operation with unlimited Field-Of-View. While operating in all weather conditions, day and night, the Skylens provides head-up information and minimizes dependency on airport instrumentation. Skylens is part of the Clearvision™ EFVS family, displaying high-resolution information, images and video on a high transparency visor, providing superior see-through transmission.

• **SkyVis™**  
  SkyVis combines our operationally proven Helmet Mounted Display (HMD) with commercially certifiable line-of-sight (LOS) technology and daytime Head-Up Display (HUD) capabilities. The SkyVis day or night system offers enhanced situational awareness and enables “Eyes Out” operations, with or without Night Vision Goggles (NVG), during all phases of flight, in marginal weather conditions without compromising safety.

• **HUD**  
  Our digital Head-Up Display (HUD) is an electro-optic device that presents aircraft data over a transparent glass (combiner), located in front of the pilot. The displayed data is collimated to infinity, enabling the pilot to operate the aircraft using out-the-window view during critical phases of flight.  
  With eyes focused out in front of the aircraft viewing the HUD, the aircraft flight path vector, aircraft attitude, visual glideslope angle and the runway aim point, pilots can achieve greater precision and situational awareness at all times while increasing safety. In addition, our modern HUDs can present external video such as EVS video and benefit from lower landing minimas.
• **Groundeye™**
An innovative, high resolution, wide-area, persistent surveillance ground system, Groundeye provides real-time and back-in-time comprehensive situational awareness for multiple simultaneous and independent users.

![Groundeye Image](image)

• **SupervisIR™**
A unique IR wide area persistent surveillance system (WAPS), SupervisIR brings unprecedented monitoring, surveillance and situational awareness capabilities to the user. The system generates high resolution, high refresh rate, as well as panoramic image 24/7, which automatically detects and provides visual recognition of potential threat in the scenery – land, marine and airborne. An advanced multispectral high resolution LongView-SWIR is then slewed to provide final identification and targeting.

![SupervisIR Image](image)

The following will be presented by Multimedia

• **SkyBreaker™**
Elbit Systems’ Mission Training Center (MTC) is a networked multi-cockpit, mission oriented training center supporting many aircraft types. SkyBreaker provides realistic simulated battlefield training using all aircraft systems and mission scenarios to enhance all levels of pilot training.

![SkyBreaker Image](image)
- **Guided Advanced Tactical Rocket (GATR)**
  An advanced laser guidance kit installed on 68/70mm rockets to convert them into precision-guided weapons with high-precision strike capabilities, GATR is designed to greatly improve hit probability, engage targets at very long range (up to 10km) and significantly reduce collateral damage, especially in crowded urban warfare scenarios. GATR is equipped with a cutting-edge warhead and can penetrate up to 20 cm of concrete, and an advanced Electronic Safe and Arm fuze. The system can be launched from combat vehicles, stationary launchers, helicopters and fighter aircraft, and is designed for missions against stationary or fast moving targets that are either soft or lightly armored.

- **Smart Tactical Advanced Rocket (STAR)**
  An advanced laser guidance kit installed on 80mm rockets to convert them into precision-guided weapons with high-precision strike capabilities, STAR is designed to greatly improve hit probability, engage targets at long range and significantly reduce collateral damage, especially in crowded urban warfare scenarios. STAR is compatible with both Eastern and Western rocket systems of varying calibers. The system can be launched from combat vehicles, stationary launchers, helicopters and fighter aircraft, and is designed for missions against stationary or fast moving targets that are either soft or lightly armored.