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IAI – ISRAEL AEROSPACE INDUSTRIES LTD.

ELI-3360 MPA Maritime Patrol Aircraft



Based on the Bombardier G5000 platform – the ELI-3360 MPA maritime patrol aircraft is equipped with a multi-mission advanced sensors suite: mission management system, communication, ESM, CSM, SAR-DF, weapons and anti-submarine warfare system, hence presenting excellent performance of both platform and mission systems. The platform has easy to handle fuel tanks which assures endurance and a longer range and its mission systems can be tailored to the customer requirements.

ELI-3150 MARS ^{2}

Multi-Mission Airborne Surveillance and Reconnaissance



MARS2 is a multi-mission airborne reconnaissance and surveillance system, designed to provide persistent stand-off ISR in all weather and visibilit conditions.

MARS2 comprises of a high performance business jet, equipped with state of the art multi-sensor ISR suite and an advanced mission system for command, control and communications.

Competitive Advantage:

New generation SAR/GMTI surveillance radar, integrated multi-sensor ISR system for autonomous targeting, BDA and surveillance, high altitude, long range, fast business jet platform.

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ELW-2085 CAEW

Conformal Airborne Early Warning & Control



The ELW-2085 Conformal Airborne Early Warning & Control (CAEW) is a third generation Airborne Early Warning & Control and Battle Management System.

The CAEW is installed on a modified long-range, high-performance and low operating cost Gulfstream G-550 business jet.

The integrated sensors suite, together with a powerful communication system, supports a variety of missions:

- Long-Range Air Surveillance
- airborne C4I for air & naval operations
- airborne command & control post
- network centric warfare operations
- communication node

BARAK 8 - Advanced Air& Missile Defense System



BARAK-8 is an advanced, all weather, 360º, point and areal air and missile defense system against a variety of threats including fighter aircrafts, UAVs, helicopters, missiles and other munitions.

The system is capable of intercepting multiple targets at long and short ranges in severe saturation scenarios.

The BARAK-8 system has ship-borne and ground-based versions, based on the same building blocks.

The system features an advanced vertically launched missile, a dual-pulse rocket motor and advanced active radar seeker, as well as a two-way data link for fire-and-update intercepts.

The missile has a basic version and an extended-range version, using a rocket booster to increase the maximal interception range:

- multiple simultaneous engagements in severe saturation scenarios
- all weather vertical launch active missile
- robust target kill.

HAROP

Long Endurance E/O Loitering Munitions



The HAROP is a loitering munitions missile with a high quality day / night electro-optic seeker. It searches, detects and attacks accurately high value static or mobile targets at long ranges.

HAROP missiles are launched from transportable launchers and navigate towards the targets area.

The HAROP is combining capabilities of an UAV and a lethal missile. HAROP searches, finds and performs Battle Damage Assessment and independent of real time intelligence. HAROP has unique capabilities against time-critical, high value relocatable targets.

Harpy NG

Anti Radiation Loitering Weapon System

Harpy is a "Fire and Forget" autonomous weapon launched from a ground vehicle behind the battle zone.

The Harpy weapon detects attacks and destroys enemy radar emitters, hitting them with high hit accuracy. Harpy effectively suppresses hostile SAM and radar sites for long durations, loitering above enemy territory for hours.

Harpy is an all-weather day/night system and is a highly cost effective solution to the hostile radar problem.



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HFDF Airborne HF COMINT/DF System ELK-7065



The ELK-7065 is a state-of-the-art HF COMINT system suitable for the harsh electromagnetic environment characterizing the HF band. The system tags and identifies signals characteristics in a multi-dimensional domain, composed of signal identifiers such as power, center frequency, modulation, geo-location, polarization and more. These techniques enable swift labeling of the received signals, identification and reliable Electronic Order of Battle (EOB) generation.

The unique front-end technology allows installation on board compact airborne platforms, such as mission aircraft of all sizes and UAVs.

M-19

Multi-Mission High Definition Optronic Stabilized Payload



The M-19 is a single LRU, true HD, multi-sensor payload, ideal for high altitude long endurance ISR

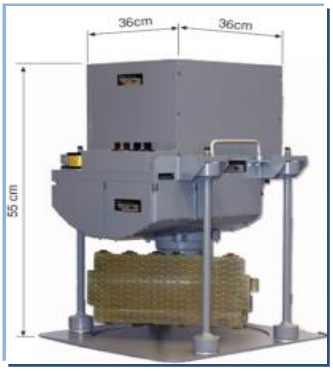
and targeting missions.

The M-19 has outstanding acquisition ranges due to its powerful EO and IR sensors, and possesses a high degree of stabilization and unique Image Processing capabilities. A unique image process provides high quality image at bad environment.

Long range Laser Designator compatible with US and NATO laser guided munitions provides accurate Geo Location and Geo Registration with its embedded IMU/GPS.

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ELM-2055D Mini SAR/GMTI



The ELM-2055D Mini SAR/GMTI is a Ku Band radar payload for manned and unmanned aircraft providing all-weather, air-to-surface Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) applications, These operate by SAR and GMTI modes. The radar operates in connection with the ELS-8994 Geospatial Exploitation Statin (GES, RICent) or interfacing to customer's GES.

Tactical Air Defense Radar (ELM-2026D)



ELTA's ELM-2026B Very Short Range Air Defense (VSHORAD] Radar is the fifth generation of 3D Tactical Air Defense Radars. This cost-effective radar delivers early warning and target data for supporting surface-to-air missile weapon systems.
The ELM-2026B VSHORAD radar is a light weight transportable, X-band, solid-state electronically scanned, pulse-Doppler radar.

The radar employs multi-beam elevation coverage by applying Digital Beam Forming (DBF) and 360 deg. azimuth coverage by antenna rotation. It detects a wide variety of low RCS targets such as low flying fighter aircraft, low velocity ultra-lights and UAVs. The radar provides accurate target measurements of velocity, range, azimuth and elevation angles.

The ELM-2026B can be deployed as a local Air Defense system providing early warning and target track to surface-to-air weapon systems.

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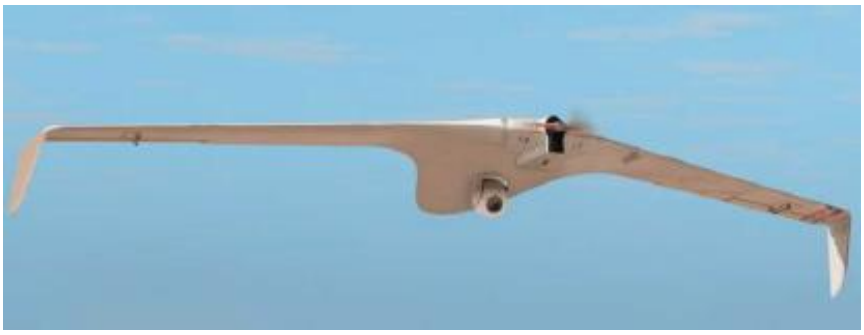
Drone Disruption ELK-7012D



The ELK-7012D drone disruption system is an effective low power jammer of radio control and GPS. The system performs universal jamming of a variety of drones such as: Futaba 10J, DJI-Phantom 2, DJI-Phantom 3, Hitec – Aurora 9X, Futaba 14SJ, Graupner Mz24.

The System incorporates a specially designed directional antenna with low environmental disturbance. System activation may be in two modes of operation: As a standalone airspace drone denial , or activated by sensor when integrated with tactical air defense radar such as ELM-2026D to provide a "No-Fly Zone".

BirdEye 650D



The BirdEye650D is a Small tactical UAS, for long endurance intelligence and integral capability at the short range level. The system is carried by a single vehicle . The BirdEye650D is launched from a lightweight launcher.

Main Performances:

- Over 20 hours endurance
- Up to 150 km range
- Maximum Takeoff weight - Up to 30 kg
- Payload - Up to 10 kg
- Speed: 40 – 60 ktas

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TAXIBOT

PILOT CONTROLLED TAXIING SYSTEM WITHOUT



Green Revolution in Airplane Taxiing

The TAXIBOT is the only certified and operational alternative taxiing solution.

The pilot is in control of the taxiing process without engines running; the engines start before takeoff only. The pilot is in control at all times using aircraft tiller and brake pedals. The TAXIBOT was designed to protect the aircraft nose landing gear (NLG) from exceeding maximum allowed fatigue load at all times with no change in the NLG lifetime.

The TAXIBOT is improving airport efficiency at the gates area.