# **Air Training Systems**

Virtual Training

## Rotary and Fixed Wing Solutions

### **Key Features**

- Smart entities combines all aircraft systems in a sophisticated virtual arena
- Avionics simulator core integrates actual or simulated aircraft avionics components
- Accurate aerodynamic flight models based on FAA/JAA guidelines
- Modular design

## Major advantages

- Advanced training suitable for pilots of all levels, the systems can simulate all types of exercises, missions and operational scenarios, eliminating the need for costly flying hours by the air force
- Total combat readiness pilots are trained in normal and emergency operation modes using realistic environmental cues and virtual threats
- Value for money maximizes the use of COTS hardware and software
- Turnkey solution vast experience in delivering turnkey solutions with various financing options, including a private financing initiative program



Mi-17 Glass Cockpit

ELBIT SYSTEMS **TRAINING & SIMULATION** 

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# **Next-generation mission** readiness simulator systems

Elbit Systems' offers a full range of next-generation high-fidelity simulators for rotary and fixed-wing aircraft. Built on the accumulated experience of in-service and retired Israel Air Force pilots, Elbit Systems' complete range of training products include computer-based trainers (CBT), flight training devices (FTD) and full flight simulators (FFS). Theses high-end commercial of the shelf (COTS) based systems provide pilots and cadets with a customized and comprehensive simulation for all of their training needs.

Elbit Systems' solutions are designed to train pilots on all basic and advanced procedures beginning with start-up, taxi and takeoff and continuing with emergency procedures, instrument flight rules and stand-alone tactical training. An established track record in delivering training and simulation solutions, combined with a comprehensive range of customizable systems, allows Elbit Systems to deliver cost-effective solutions tailored to their customers' needs.





# Rotary wing solutions

- High-end flight model based on the blade element model for the tail and main rotor incorporating data collection, flight books or OEM data
- Unique design for the FFS roll-on/roll-off concept based on ball transfer units
- Rear crew full-package simulation including Sonar, RADAR, EOP and advanced EW simulation

Mi-24

Super Puma

- Smart entities adapted to helicopters "train as you fight" concept for realistic environmental situations
- All designs are based on FAA/JAA criteria

### Rotary wing simulators delivered



Mi-8/17

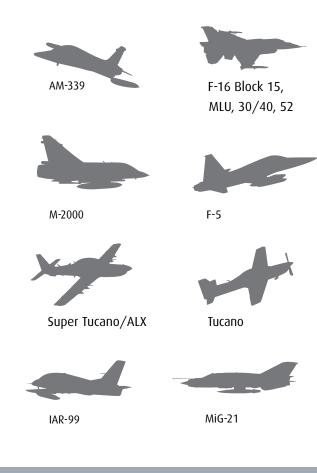


Puma



- · Glass cockpit technology with highest similarity to actual aircraft provides ease of maintenance and seamless upgrades
- Avionic simulation core unique development which enables single connection to all avionics, real or simulated, based on COTS technology
- TARGO<sup>™</sup> exclusive helmed-mounted display for simulation use
- Roll-in/roll-out design for adaptation to high resolution, large field of view display systems and simple upkeep
- Advanced arena generator for realistic simulation based on the extensive experience of in-service and retired pilots

### Fixed wing simulators delivered









King Air B200

F-4