



The Israel Export & International Cooperation Institute



# Israel's Aerospace Industry



*Higher • Faster • Farther*



# Areas of Activity

- Civil/Commercial Aviation
- Space Applications
- Military & Defense



# Israel Aerospace Innovation

**Aviation**



Gulfstream 280 (IAI)

**Space**



Tecsar Radar Satellite (Elta)

**UAV**



Orbiter 3 (Aeronautics)

**Missiles**



Iron Dome (Rafael)

**Avionics**



C130 Cockpit (Elbit Systems)



## Key Technologies **Aviation**

- Electronic Hardware & Software (Avionics)
- Materials (Metal, Composites, Nano)
- Aerostructures, Manufacturing Technologies
- Sensors (Radar, EO, Electronic)
- Training Simulation
- Aircraft & Systems Upgrading & Conversion



# Key Technologies **Space**

- Electro Optics
- Materials
- Space Propulsion
- Space Structures
- System Integration
- Space Qualified Electronics
- Sensors
- Communications
- Space Research

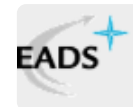
# The Israeli Advantage

- “The Golden Triad”  
Industry maintaining close cooperation and collaboration with the Military and Academy
- Defense Driven Technology Base
- Extensive Investment in R&D
- Proven Solutions Based on Operational and Combat Experience

# Aerospace Supply Chain

Israel's aviation and space companies are supporting the entire supply chain of aerospace production with indigenous capabilities including:

- Requirement Assessment
- Research, Simulation & Testing
- Design & Development
- Unmanned & Autonomous Systems
- Subsystems & Components
- Aerostructures of Various Sizes
- System Integration
- Training Support
- Integrated Logistics





# Israel's Aerospace Portfolio

- Airframe & Aerostructures
- Unmanned & Autonomous Systems
- Space Technology
- Electronics, Avionics, Optronics
- Upgrading & Conversions
- Maintenance, Repair & Overhaul (MRO)
- Training Simulation
- Airport Services



# Israel's Aerospace Portfolio



## Airframe & Aerostructures

- Large Aircraft Structural Assemblies
- Complex Airfoils
- Ultra Lightweight Structures
- Engine Assemblies & Components

# Israel's Aerospace Portfolio



## Unmanned & Autonomous Systems

- Micro, Mini, Tactical & MALE UAS
- UAS Propulsion & Energy Systems
- Mission Payloads
- Avionics & Mission Control
- Mission Planning & Support
- UAS Training & Simulation

# Israel's Aerospace Portfolio



## Space Technology

- Electro Optics
- Remote Sensing Satellites
- Communications Satellites
- Satellite Busses & Subsystems
- Space Propulsion
- Lightweight Space Structures
- Space Qualified Electronics, Processors
- Satellite Launchers
- Ground Support Services

# Israel's Aerospace Portfolio



## Electronics, Avionics, Optronics

- Civil & Military Avionics
- Real Time Systems
- Aircraft Environmental Control
- Navigation Systems
- Cockpit Architecture & Displays
- Lasers & EO Systems
- Obstacle Avoidance & Vision Enhancement
- Communications, Datalinks, SATCOM
- In Flight Entertainment

# Israel's Aerospace Portfolio



## Upgrading & Conversions

- Aircraft Modification and Conversion
- Civil to Military Conversions (Special-Mission Aircraft)
- Passenger to Cargo Conversion
- Aircraft and Helicopter Upgrading
- Special Mission Adaptation
- Self Protection Enhancement
- Testing & Certification

# Israel's Aerospace Portfolio



## Maintenance, Repair & Overhaul

- Wide Body & Narrow Body Maintenance
- Engine MRO
- Parts & Components Overhaul
- Logistics Support & Spare Parts
- Planning & Optimization Applications
- Fuels & Lubricants

# Israel's Aerospace Portfolio



## Training Simulation

- Virtual Avionics for Trainers
- Avionic Suits for Trainers
- Simulation Systems for Aircraft & UAS
- Technical Trainers for Maintainers
- Cadet Screening Systems
- UAS Training Systems
- Turnkey Pilot Training Services

# Israel's Aerospace Portfolio



## Airports & Air Traffic Management

- Air Traffic Control Radar
- Air Traffic Management Systems
- Airspace Management & Control
- Airport Management, Security, Access Control & Mobile Assets Management
- Baggage Processing
- Ground Support Vehicles
- Foreign Object Detection (FOD) Systems
- Runway Lighting



# Israel Export Institute (IEICI) Role in Aerospace Export



*The Israel Export & International Cooperation Institute*

- Promoting Partnership & Cooperation Between Israeli & Foreign Partners
- Introducing Israel's Aerospace Industry in Foreign Markets
- Supporting Israeli Companies with Export Related Knowhow and Guidance



## Major Events

Leading marketing initiatives worldwide, IEICI is organizing the National Pavilion and the Israeli participation at major international events, including **Paris Air Show**, **Singapore Air Show** and **Aeromart Toulouse**.



50<sup>th</sup> INTERNATIONAL  
PARIS AIR SHOW  
LE BOURGET  
JUNE 17-23, 2013



# Your Contacts at IEICI

To learn more on Israel's aerospace industries

**Call us today**



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