



# Elbit Systems – Cyclone Ltd. (Cyclone)

**Line of Business**  
Aerospace

**Established**  
1970

**Leading Executives**  
Mark Armelin  
General Manager

Rafi Biton  
Senior VP Operation

Eitan Cohen  
Business Development  
& Marketing Director

**E**lbit Systems – Cyclone LTD. (Cyclone), a wholly-owned Israeli subsidiary of Elbit Systems LTD., is a design and production center for metal and composite Aerostructures components and assemblies, and various parts for leading aerospace Prime contractors and OEMs.

Established in 1970, Cyclone is involved in major commercial and defense programs worldwide.

Cyclone provides end-to-end solutions of upgrades and modifications for a wide range of platforms in defense and commercial aviation.

Cyclone provides Standard Depot Level Maintenance (SDLM) and other services to fixed and rotary wing aircraft customers worldwide, including systems installation and integration services. Cyclone is certified for AS 9100Rev-C, ISO9001, ISO14000, and NADCAP (various processes).



In addition, Cyclone holds various qualifications from its customer's' quality systems (Boeing, Lockheed Martin, Northrop Grumman, Bombardier, Spirit Aerosystems, Bell Helicopter, Sikorsky, the U.S. Air Force, the U.S. Navy, the Israeli Air Force, Israel Aerospace Industries and more).

## Manufacturing Capabilities

- Metal & composite design and manufacturing
- Metal & composite assembly
- Skilled team for conventional layout
- Complex metal and composite assembly skills
- Automated (NC) ply cutting
- High-precision machining
- Composite technologies (filament winding, RTM, resin infusion, inflatable mandrels, integral structures)
- CMM
- Tooling manufacturing
- Heat treatment equipment and chemical surface Treatment

- Complete suite of NDT tools – for monolithic and sandwich structures

## Engineering Capabilities

- Manufacturing engineering
- Design and analysis engineering
- Tooling design
- Structural/modal/thermal/aerodynamic analysis
- Electrical load and wiring design
- Composite and metal design allowable
- Wide range of platforms' upgrades and modifications

## General Capabilities

- Procurement and global supply chain management
- Qualification testing and airworthiness / certification capabilities
- Advanced quality assurance and control
- Kaizen continuous improvement processes
- Quality certificates: AS9100 Rev C, ISO9001, and various NADCAP certifications

## Past Performance

### Commercial Aviation

- **Boeing 737, Boeing 747** - Aircraft Doors
- **Boeing 767** - Fairings, Aircraft Doors, Aircraft Structural Components
- **Boeing 787 Dreamliner** - Composite Aircraft Structural Components, Nose Well Wheel Doors
- **Bombardier Global express 5000/6000** - Aircraft Structural Components
- **Beechcraft King Air 350** - Aircraft Structural Components SSJ100- Doors
- **Gulfstream G150** - Fairings, Aircraft Control Surfaces, Aircraft Doors, Engine Pylons, Aircraft Structural Components

### Defense Aviation

- **Boeing F-15E Strike Eagle** - Aircraft Control Surfaces, Aircraft Doors, Fuel Tanks, Pylons & Systems, Navigation pod adaptor
- **Boeing F/A-18 Super Hornet** - Fuel Tanks & Systems, Leading-edge Extension
- **Lockheed Martin F-16 Fighting Falcon** - Aircraft Control Surfaces, Fuel Tanks, Pylons & Systems
- **Lockheed Martin F-35 Lightning II** - Composite Components and Assemblies for Center Fuselage; Structural Components
- **Sikorsky CH-148** - Sponsons
- **Sikorsky UA 60** - Troop Seats



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