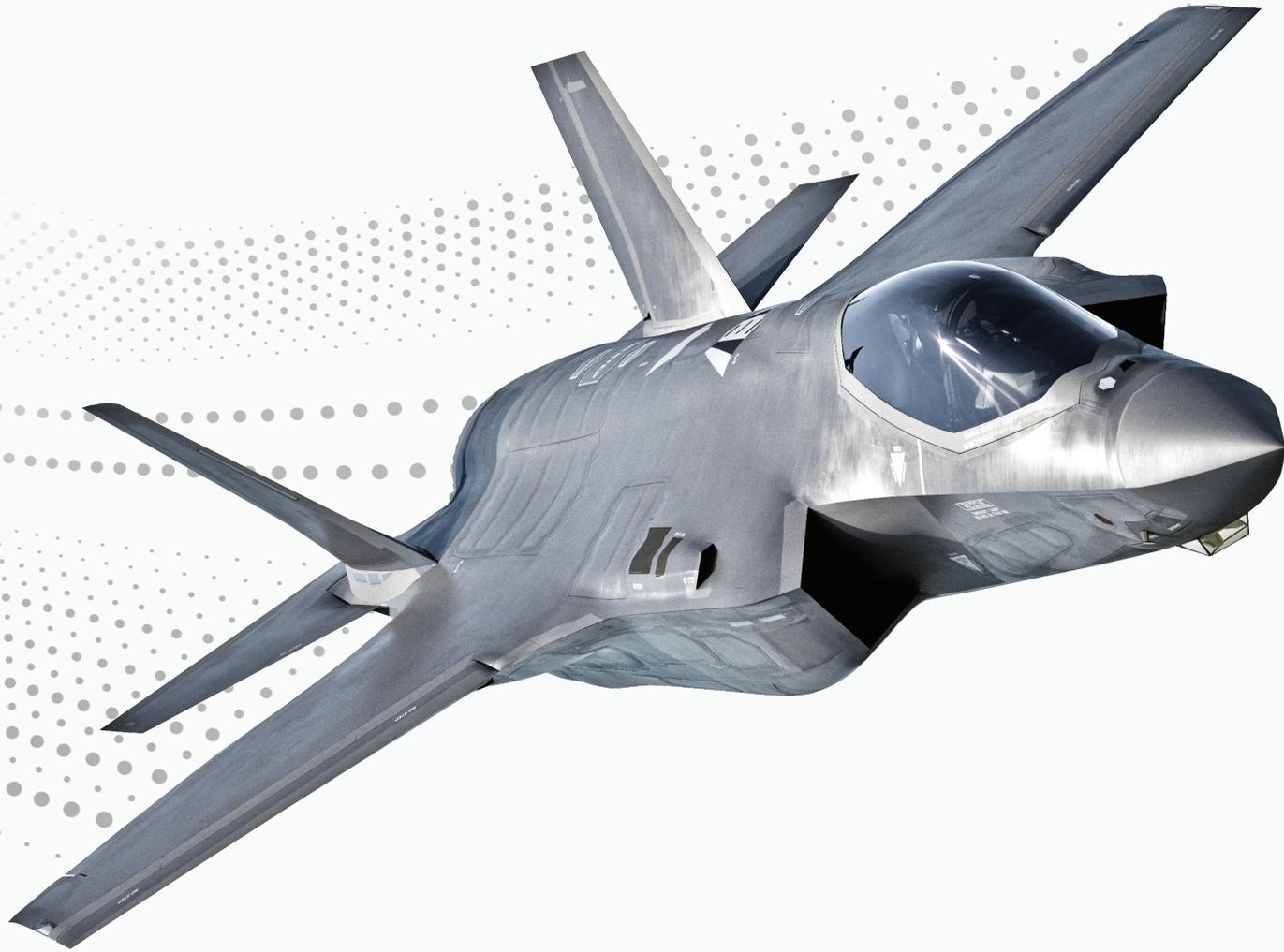


EOTS

Electro-Optical
Targeting System

F-35 Lightning II



EOTS

Lockheed Martin. Your Mission is Ours.®

The Electro-Optical Targeting System (EOTS) is the world's first sensor that combines forward-looking infrared (FLIR) and infrared search and track (IRST) functionality. As an affordable, high-performance, lightweight, multi-function system, EOTS provides precision air-to-air and air-to-surface targeting capability in a compact package.

Through EOTS, pilots have access to high-resolution imagery, automatic tracking, IRST, laser designation and ranging, and laser spot tracking at greatly increased standoff ranges. Integrated into the F-35 Lightning II's fuselage with a durable sapphire window, the low-drag, stealthy EOTS is linked to the aircraft's integrated core processor through a high-speed fiber-optic interface.

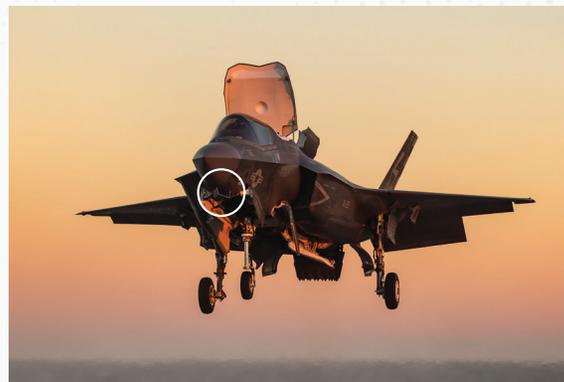
Advanced EOTS is an evolutionary electro-optical targeting system that is offered for the F-35's Block 4 development. Advanced EOTS incorporates a wide range of enhancements and upgrades, including short-wave infrared, and infrared marker and improved image detector resolution. These enhancements increase target recognition and detection ranges, enabling greater overall performance.

FEATURES

- Rugged, low-profile, faceted window for low-observable performance
- Compact single aperture design
- Lightweight
- Advanced sensors
- Air-to-surface/air-to-air FLIR tracker and air-to-air IRST modes
- Modular design for two-level maintenance reduces life cycle cost
- Automatic boresight and aircraft alignment
- Tactical and eye-safe laser
- Laser spot tracker
- Passive and active ranging
- Precise guidance for laser weapons
- Highly accurate coordinate generation for GPS weapons



F-35A



F-35B

Super ATP on B-1
Courtesy of the U.S. Air Force



F-35C