



## In-service support

More than 45 years of In-Service Support experience, ensuring the life cycle of our own products as well as third-party services, providing the development process and the systems design on avionics, optronics, smart displays, cryptography, simulation and tactical communications.



MRO Services



In-Service Support 4.0

*Delivered with passion, experience and team know-how*



In-Service Support Engineering



Training and Qualification



Logistical Management



*Create a better, more efficient, safer and more sustainable world*

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## Infrared search and track (IRST) systems

### PIRATE FLIR-IRST / NAVAL IRST

*Cutting edge passive early warning detection systems with multi target tracking capability for fighters and naval systems.*



# PIRATE FLIR-IRST

## Forward Looking Infrared / IR Search and Tracking

Developed by the EuroFLIR Consortium (Leonardo IT, Thales UK, Tecnobit), Tecnobit is responsible of the critical processing chain:

- Searching, detection and tracking of air targets from very long distances to give air superiority to the Eurofighter.
- Passive IR Detector in 8-12 $\mu$ m band.
- High resolution detector array.
- Extended spatial coverage.
- Longest range IRST available in the market.
- Multiple target detection and tracking capability.



# NAVAL IRST

## Naval IRST is a 360° surveillance equipment providing automatic detection and tracking capabilities.

The system detects, tracks and classify targets and threats such as sea skimming missiles, all types of Aircraft and vessels, UAV's, helicopters, periscopes.

Key features:

- It provides a multi-spectral capability by collecting information in the two main bands of Thermal Infrared: Medium Infrared, long Infrared and even the visible image.
- It combines in a single integrated system the short and long range.
- The effectiveness against new threats increases compared to traditional systems much more focused on missile protection and detection of conventional surface vessels.
- Very low False Alarm Rate.
- It allows installation on the mast.

