DIEHL
Defence



IRIS-T

European Short Range Air-to-Air Missile





UNMATCHED COMBAT CAPABILITIES WITHIN AND BEYOND VISUAL RANGE

ESTABLISHING AIR DOMINANCE

IRIS-T (InfraRed Imaging System - Tail/Thrust Vector Controlled) is a state of the art fire-and-forget short range air-to-air missile with unrivalled close-in combat and intercept performance.





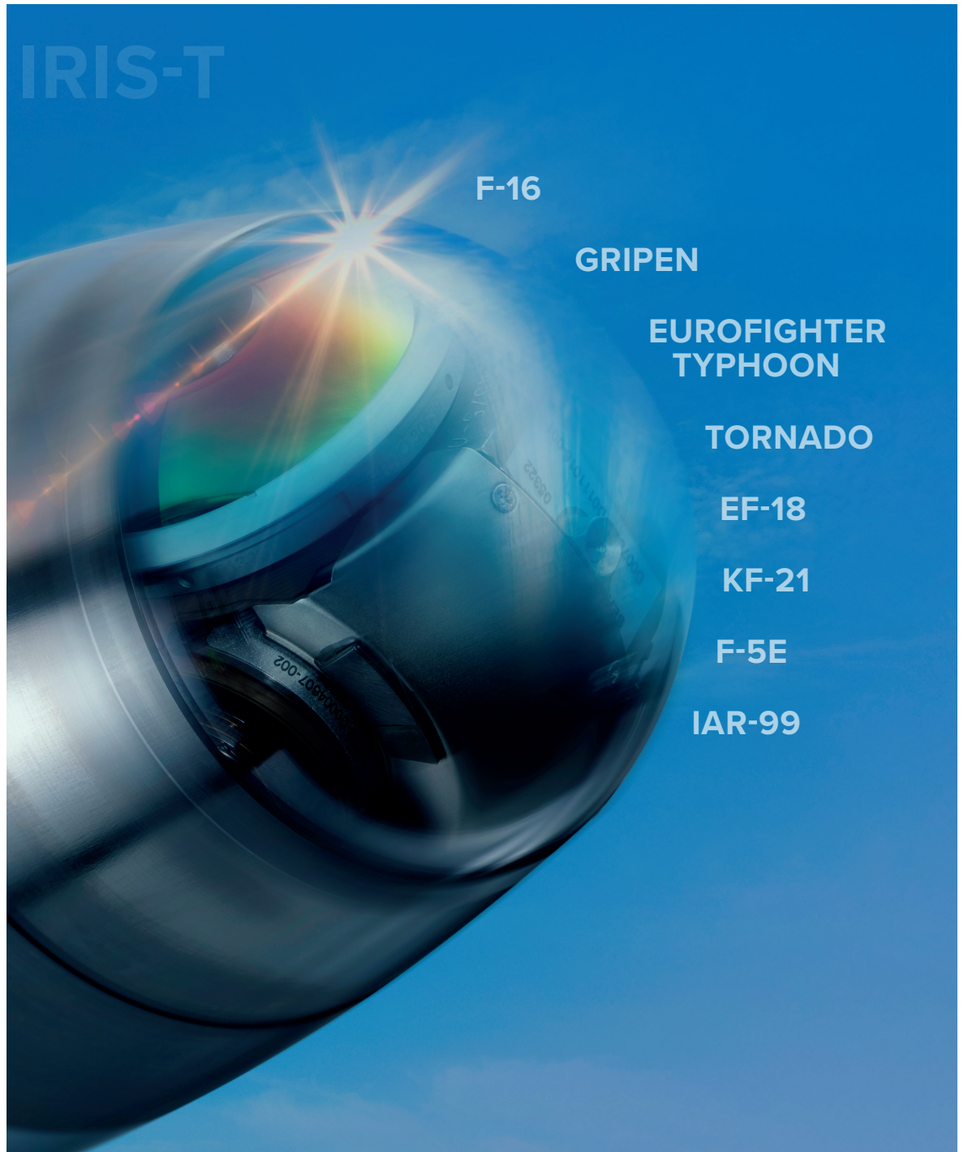


Unmatched Missile Performance

The highly agile IRIS-T is the only short range air-to-air missile, developed completely new, disposing of an imaging IR seeker, dogfight optimized rocket motor, wings and a combinded aerodynamic thrust vector control. The seeker-assisted radar proximity fuze and the large warhead equip the missile with remarkable anti-missile capability. Predictive flight path tracking and lock-on-after-launch features enable the missile to engage targets in the rear hemisphere as well. IRIS-T's outstanding capabilities and performance will entirely change the nature of future air warfare.

Key Features:

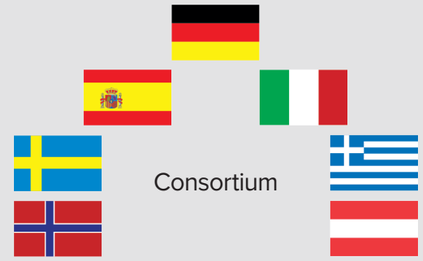
- Fully digital aircraft integration
- Seeker acquisition range matching with missile kinematic range
- Seeker cueing by radar, helmet mounted display, infrared search and track device, missile approach warner and data link
- High resistance to IRCM and DIRCM
- Precise aim-point selection
- Direct hit missile with pinpoint accuracy
- High probability of kill (pk)
- Lock-on before and after launch operations
- Engagement of targets in the rear hemisphere
- Anti-missile capability against incoming A/A and S/A missiles



Successful Multi-National Program

IRIS-T is a completely new 5th generation guided missile, jointly developed by European nations. Production is managed by Diehl Defence in cooperation with industrial partners from Spain, Italy, Sweden, Greece, Norway and Austria. IRIS-T forms the backbone of European air forces in terms of infrared missiles used to protect their fighter jets.

IRIS-T is an absolute export success. In addition to the consortium countries, other air forces such as Brazil, Thailand, South Africa and Saudi Arabia procured IRIS-T.







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IRIS-T has been in service since 2005 and more than four thousand missiles have been delivered to our customers.

IRIS-T is enhancing the self-defence capability and survivability of Eurofighter/Typhoon, Tornado, Gripen, EF-18, and F-16 considerably.

Summary

- Proven outstanding maneuverability and agility
- Beyond and Within-Visual-Range Combat
- Unmatched IRCCM & DIRCCM (anti-laser) capabilities
- Anti-missile capability
- Unmatched Probability of kill
- Lock-On After Launch
- Full hemisphere engagement capabilities (360°)
- Fully digital integrated into Eurofighter/Typhoon, Gripen, F-16 (Block 15, MLU, Block 50/52+), EF-18

IRIS-T

- has a consequent design and strictly adheres to military requirements of the user nations
- is outperforming any short range missile on the market
- is the best addition to the medium range weapon load
- is the standard short range missile for Eurofighter and Gripen



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DBDUB-CI4/09/2021