



RAFALE FOR
FINLAND

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- **A Weapon System with perfect Capability for Finnish Air Force operational requirements and Finland's Sovereignty, ensuring a strong, credible, reliable and preventive Defence solution.**

The RAFALE concept makes it possible for one man, in one aircraft, to become a multi-task asset in the hands of its Commander. Integrated in the Joint C4 environment of Finnish Defence Forces, RAFALE is a true force multiplier, demonstrating everyday its capability to operate in highly contested environment theatres, with its perfect mix of capabilities. RAFALE for Finland is tailored to the Finnish environment.

- **A low-risk program, at an affordable and secured Life Cycle Cost for the decades of service in the Finnish Air Force.**

RAFALE offers constantly enhanced capabilities with improved technologies, and additional features, to combat new emerging threats and meet Customer needs.

- **A European Weapon system to uphold Finnish national ambition.**

The deepening European defence cooperation needs constructive and long-term visions and planning for which Finland and France share a common interest. Finnish-French cooperation is highly regarded, symbolized by high-level meetings during the last years.

Finland joining the European Intervention Initiative and signing the new Framework Paper on Bilateral Defence Co-operation are important steps and give a good base for deepening the cooperation between our countries.

- **A comprehensive industrial participation program.**

By choosing the RAFALE, Finland secures a deep level of involvement of the Finnish Industry, that fulfills the demands on Security of Supply and guarantees autonomy of use of the Finnish Air Force fleet, providing Finland with know-how, technology and production capabilities.

French Ministry for the Armed Forces is complementing RAFALE International Team with a wide Finnish-French Partnership offer, covering a high level of cooperation with the Finnish Defence Forces.



RAFALE PROGRAMME

► **Mature Aircraft, Combat & Support Proven**

RAFALE is in-service since 2004 in the Navy, since 2006 in the French Air Force. Entry first, international coalitions, joint and allied exercises, small deployment for crisis management... able to fly 350 hours in a month, and up to 1000 flight hours in a year;

► **Capable Aircraft**

RAFALE is a multirole aircraft since the origin, able to perform all the scope of missions – Air-to-Air, Air-to-Ground, Air-to-Surface, Intelligence Surveillance & Reconnaissance (ISR), Deterrence – with its suite of sensors, communications, weapons and survivability assets;

► **Long-lasting Program**

Constantly upgraded with new capabilities, new technologies, or new requirements coming from current customers or evolving threats, RAFALE will be the sole Air Force fighter in the French Forces after Mirage 2000 retirement, and will remain so down to 2060s and beyond...

► **A Sovereignty Tool**

More than an aircraft, the French solution offers to Finland a sovereignty tool enabling freedom of decision and action, guaranteeing strategic independence and a high level of autonomy.



RAFALE OPERATIONAL CAPABILITIES

Covering the whole range of Finnish air force operational requirements

► Continuous Multirole Capability

Comprehensive
Multi-spectral sensor suite

Low pilot workload

Sensors fusion

*Permanent situational
awareness*

*Optimized MMI and
HOTAS concept*

Comprehensive Modern
Weapons Suite

Extensive and flexible
Store Configurations

No compromise between
fuel and military load

Full Integration into FDF
national networks

Deployability

Harsh environment
specifications

► Collaborative Air Dominance

Passive 3D localization:
Counter stealth and
counter jamming
silent killer

Seamless short to long
range air to air missiles

► SEAD/DEAD

Highly contested
environment

► Autonomous multitype ISR

► Air to Ground
from short
to long range

► Anti surface

► Highly survivable

Reduced Observability

Self protection

Automatique ground
protection

AGCAS

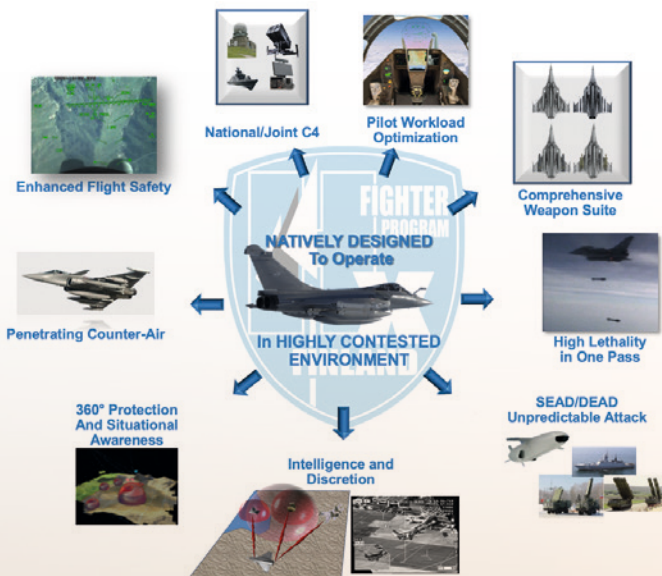
Terrain following

Twin engines

Agility

► Joint force and NATO interoperability

► Sovereignty





RAFALE: SECURITY OF SUPPLY AND SUSTAINMENT

DASSAULT AVIATION will provide a rapid, smooth and efficient, **operational autonomy of use** of the RAFALE fleet after its induction in the Finnish Air Force.

This Concept stems from sovereignty-driven early design requirements from the French Forces:

- ▶ **100% French technology** mastered by French Industry;
- ▶ Modern flexible **On-condition Maintenance Concept**, easing the operations with no more long-lasting scheduled maintenance visits;
 - ▶ **Proven robustness and reliability** on all environmental conditions, from arctic to desert, at sea or in-land, or harsh contaminated pollution;
- ▶ **Low footprint** in all conditions: national or external Operations, Navy or Air Force;
 - ▶ Structural Design safe-life target of **9000 hours for the Airframe**.

RAFALE INDUSTRIAL PARTICIPATION

RAFALE INTERNATIONAL is offering a comprehensive Industrial Participation (IP) plan to sustain the necessary industrial and technological base to secure a Total Sustainment Finnish RAFALE approach.

RAFALE INTERNATIONAL addresses a tailored balance between Direct and Indirect IP projects to transfer in Finland critical capabilities and extensive expertise in sovereign technologies, for RAFALE lifecycle in the Finnish Defence Forces (Operations, Maintenance, Repair capabilities, Future Upgrades).

RAFALE INTERNATIONAL will secure long-term jobs in Aerospace Finnish Defence Association members and Business Finland network, to bring domestic as well as international business growth opportunities.

RAFALE INTERNATIONAL



