



Operational requirement

SPECTRA (Self-Protection Equipment to Counter Threats for RAFALE Aircraft) has been jointly developed by MBDA and Thales to provide an integrated self-protection system for the Rafale combat aircraft in service with the French Air Force and Navy, and export countries.

The solution

The SPECTRA integrated electronic warfare suite provides long-range detection, identification and accurate localisation of infrared, electromagnetic and laser threats. The system incorporates, radar warning, laser warning and missile warning receivers for threat detection plus a phased array radar jammer and a decoy dispenser for threat countering. It also includes a dedicated management unit for data fusion and reaction decision.

MBDA's involvement comprises the DDM-NG (IR technology) Missile Warning System, a special management unit for threat level assessment and multi-threat decoy dispensers with a smart dispensing facility. SPECTRA provides Rafale with the highest survivability assets against the range of airborne and ground based threats.

- **Integrated self protection system**
- **Advanced multi-threat dispenser**
- **IR Missile Warning System**
- **In service with the French Navy and Air Force and export countries**

SPECTRA INTEGRATED SELF-PROTECTION SYSTEM FOR THE RAFALE

Partner:

THALES AIRBORNE SYSTEMS



AIR

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Name
• **SPECTRA**

