



SEA FIRE

A Force Multiplier Multi Function Radar

THALES
Building a future we can all trust

SEA FIRE

Multi Function Radar



Multi Mission

Sea Fire is a true Multi Mission Radar delivering superior performance for all missions simultaneously, through dynamic radar resource management with very short response time.

- Air Surveillance and Defence: from self-defence to area defence
- Surface Surveillance and Defence
- ASTER Missile Fire Control Support
- Surface Gun Fire support

Upgrade Your Ship

Thanks to its modular architecture, Sea Fire can be installed on light frigates up to destroyers. The advanced surveillance and fire control capabilities of the compact Sea Fire will endow each ship to have the performance and fire power of a ship a few thousand tons heavier. It transforms a multipurpose frigate into an AAW frigate or even a multipurpose destroyer.

Operational Availability

The modern architecture of the Sea Fire family is intrinsically designed for redundancy and graceful degradation ensuring continuity of the mission, even on extended patrols far away from its home base. Maintenance is performed in the protected environment of the mast on a very limited number of LRUs and standard tools.

Key Features

- Surveillance coverage : 300 km
- Elevation coverage : 360° in azimuth, 90° in elevation
- Tracking capacity : >800 air and surface targets with 4D AESA technology and fully digital antenna arrays
- Track update rate automatically matched to the target characteristics and completely free of any antenna rotation constraints
- Enhanced surveillance capability on all targets: slow moving & very low RCS, or supersonic highly manoeuvring stealth targets
- Supports ASTER missile family up to their full performance with fire control and autonomous surveillance coverage (no cueing required).
- Digital Twin available

