

BARAK

NAVAL AIR DEFENSE SYSTEM



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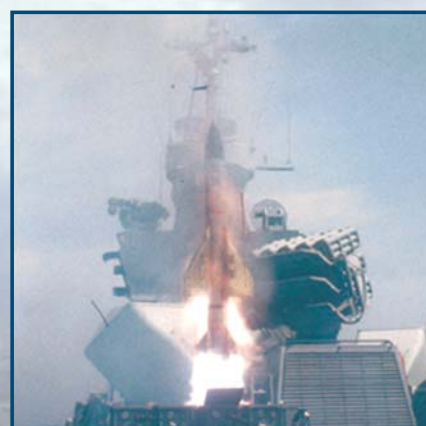


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The BARAK system is a joint product of Israel's leading edge defense industries - RAFAEL Armament Development Authority Ltd. and Israel Aircraft Industry. BARAK is a naval air defense system specifically designed to counter existing and future anti-ship air threats, including supersonic sea skimming missiles.

The system enables operation day and night and in adverse weather conditions. BARAK is fully operational in the Israeli Navy and other modern fleets.



Operational Performance

- Unique vertical launch missile with a full 360° azimuth coverage
- All-weather, day and night operation
- Accurate, immune interception of both high and low flying threats
- Unique minimum range intercept capability
- Advanced fire control radar, especially optimized for defense against anti-ship sea skimming missiles.
- Extremely short, computerized automatic and semi-automatic engagement cycle facilitates multiple threats engagement.
- Fast reaction and short engagement capability
- Advanced blast fragmentation warhead optimized for penetration and detonation of enemy missiles
- Modular system architecture enables easy integration with any existing or desired configuration of modern combat system

System Components



Missile Parameters

Characteristic	Specification
Length	217.5 mm
Diameter	170 mm
Wing-span	685 mm
Length weight	98 kg
Warhead weight	22kg

Performance Parameters

Characteristic	Specification
Maximum velocity	720 m/sec
Maximal effective range	10-12 Km
Minimal effective range	500 m
Maximum Altitude	5.5 km

