



CROTALE

New Generation for SHORADS
Naval Application

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Description

SHORt Range Air Defence Systems are dedicated to ship self-defence and close-range protection of friendly ships against:

- Aircraft deploying stand-off weapons and jammers,
- Sea-skimming and diving missiles with very high speed and manoeuvrability,
- Saturating attacks, even at very low altitude.

The Crotales Naval NG (CNNG) comprises a multi-sensor fire director, jam-resistant radar and infrared sensors and lightweight launcher with flat deck mounting carrying 8 ready-to-fire VT1 hypervelocity missiles.

The system provides simultaneous fire control for all calibres of artillery.

The CNNG is in service with the French Navy and several other naval forces.

Features

ENGAGEMENT CAPABILITY

- 6s reaction time from detection to missile departure
- 8 ready-to-fire VT1 missiles
- Hypervelocity VT1 missile with unique manoeuvrability and fast re-engagement capability
- CLOS guidance using radar and electro-optical sensors

MULTISENSOR - SURVIVABILITY

- Passive electro-optics
- All weather ECCM built-in radar
- Automated multisensor management

REDUCED MANPOWER

- Single operator

Specifications

Missile

- Interception range: 11km, ceiling: 6,000m
- Velocity: Mach 3,5+, manoeuvrability: 35g ; 8 km in 10.3s
- Focused fragmentation type warhead (13 kg)
- Electromagnetic proximity fuze designed for interceptions down to the sea level.
VT1 has a unique kill probability against sea-skimming missiles
- Hardened for the marine environment

Automated acquisition and tracking

Tracking radar

- Ku band TWT monopulse Doppler
- 20km+ range
- ECCM

FLIR

- Dual FOV – Range: up to 19 km



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