



OTOMAT MK2 BLOCK IV

LONG RANGE SHIP-BORNE ANTI-SHIP MISSILE SYSTEM

This is the enhanced version of the all-weather OTOMAT MK2 missile system, providing improved performance in terms of OTHT (Over the Horizon Targeting) and operations in complex naval scenarios.

The 200km class range system relies on powerful mission planning (3D way-points, terminal sea skimming profile, simultaneous attack from different directions).

Target data is derived from the ship's command system or taken directly from the ship's surface search radar. Mission Planning allows the selection of different firing modes (such as fire-and-forget or mid-course guided) and of specific trajectories and evasive manoeuvres.

Cruise and approach phases may be either fully inertial or partially guided from the launch ship through a radio-link. Mid-course revectoring from a co-operating ship or helicopter is also possible.

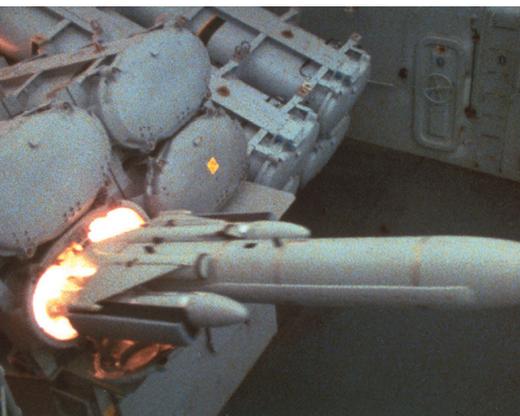
The excellent capabilities of the new missile (short reaction time, fire-and-forget, INS/GPS navigation, high target selection, ECCM and anti-CIWS manoeuvres, warhead lethality with no collateral damage) allow the system to operate effectively in littoral warfare environments, as well as in blue waters.

The terminal attack phase is based upon an autonomous terminal guidance using an active homing head with improved target selection capabilities in complex scenarios including specific capabilities to penetrate ECMs and enemy ship hard kill defences.

The system is in service in 12 countries worldwide, with ships of different class from hydrofoils up to destroyers and aircraft carriers. In service in Italy, the system is known as Teseo.

Operational advantages

- Maritime superiority missile
- Provides precision strike at long ranges in all environments (brown and blue waters) with a high probability of intercept
- All-weather
- Salvo capability
- Ensures a high-precision probability against the most strongly defended surface targets
- Multi-target
- Proven all-weather OTHT (Over the Horizon Targeting) capability
- High operational flexibility
- Suitable for installation on ships of any tonnage
- In service



Operational features

- Stand-off engagement ranges for platform safety
- Advanced mission planning, quick automatic firing solution and possibility to manually modify trajectory and seeker search patterns
- Firing on third party targeting
- Salvo Firing
- Fast reaction

Cruise speed

- High subsonic

Effective range

- 200km class range

Payload

- Highly effective warhead; semi-piercing/HE explosive type
- Impact and proximity fuzes

Navigation and guidance

- Fully autonomous inertial navigation aided by GPS and radar altimeter
- 3D way-points with selectable time on target
- Sea-skimming, with over land capability

Technical characteristics/specifications

Weight: 780kg
Length: < 6m
Speed: High subsonic

