

Protection of offshore installations and maritime traffic is a strategic issue which becomes a major concern in times of crisis when surface and air attacks could inflict heavy damage on sea and onshore assets.

As a response to this strong need for a means of protection, MBDA is offering SEA RANGER, a “turn key” combat system, designed to equip units dedicated to security missions in the littoral area

SEA RANGER is a highly modular, integrated system which can be configured according to operational requirements and platform features: advanced software command & control & communication system, weapons, sensors (radars and Electro-Optical Sensor), data-links...

SEA RANGER deploys MBDA's most recent missiles, providing a deterrent capability against threats:

Anti-surface:

- MARTE Mk2/N medium-range anti-ship missile
- BRIMSTONE short-range anti-FIAC missile

Air-defence:

- MISTRAL missile (SIMBAD-RC launcher)

Based on its extensive experience in the design and integration of complex naval combat systems, MBDA is able to provide both its expertise and strong support to shipyards and customers in managing the whole programme to provide the safe and efficient hand-over of the system.

- **Combat system tailored to patrol boats**
- **Outstanding fire power against threats in the littoral**
 - MARTE Mk2/N anti-ship system
 - BRIMSTONE short-range anti-FIAC missile
 - MISTRAL / SIMBAD-RC short range air defence system
- **Advanced Command & Control system**
- **Modular & integrated system**
- **Indoor tactical training simulator**

SEA RANGER - PB

A MODULAR COMBAT SYSTEM FOR PATROL BOATS

MBDA
MISSILE SYSTEMS



SEA

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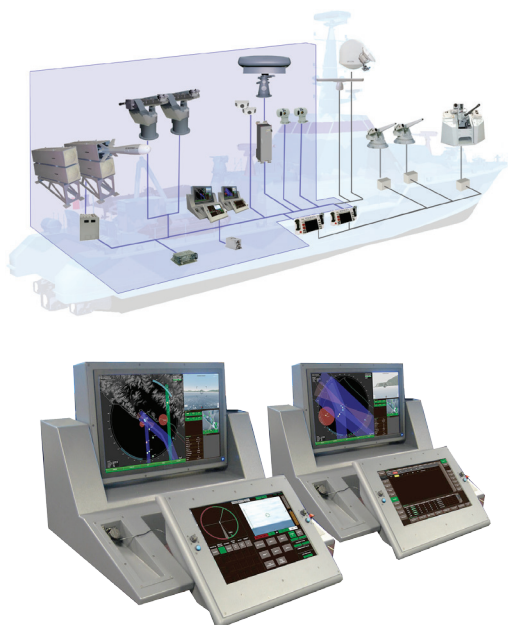
- SEA RANGER has been designed to comply with the installation and operational constraints of small and fast patrol boats and can be operated by a limited number of operators from one or more multi-function consoles
- Thanks to its high level of modularity, SEA RANGER can be configured from:
 - A **Command & Control & Communication System (C3S)**, enabling a fast and secured detection/identification/engagement process by means of user-friendly consoles:
 - All weather and day/night detection and identification
 - Comprehensive tactical picture build-up
 - Data exchanges between patrol boats and with Command centres
 - Secured engagement management of guns and missiles
- **Anti-FIAC capability with BRIMSTONE:**
 light missile, self-guided (active radar seeker), unrivalled ripple fire capability.
- **Anti-ship capability with MARTE Mk2/N:**
 medium range, "fire-and-forget" (active radar seeker), salvo firing, trajectory shaping.
- **MISTRAL air defence:**
 all air threats (anti-ship missiles, helicopters, fighters, combat UAV, ...) IR seeker guidance.

Name

- **SEA RANGER**

Characteristics

- **Integrated C3S system** - 1 to several multi-function compact consoles
- **Advanced & modular software and HMI**
- **MARTE Mk2/N launcher (2- 4 missiles)**
 - medium range anti-ship
- **BRIMSTONE launcher (2 to 12 missiles)**
 - Anti swarming surface attack
- **1 - 2 SIMBAD-RC turrets**
 - remote control launching twin turrets with MISTRAL missiles
- **Sensors:** Air & Surface radar, navigation radar, Electro-Optical Systems, AIS...
- **Tactical data-link + Radio data network**



ANTI-FIAC CAPABILITY MODULE

BRIMSTONE anti-FIAC



ANTI-SHIP CAPABILITY MODULE

MARTE Mk2/N anti-Ship



AIR-DEFENCE CAPABILITY MODULE

MISTRAL air-Defence



Command & Control
& Communication System
C3S



TACTICAL
DATA
LINK

