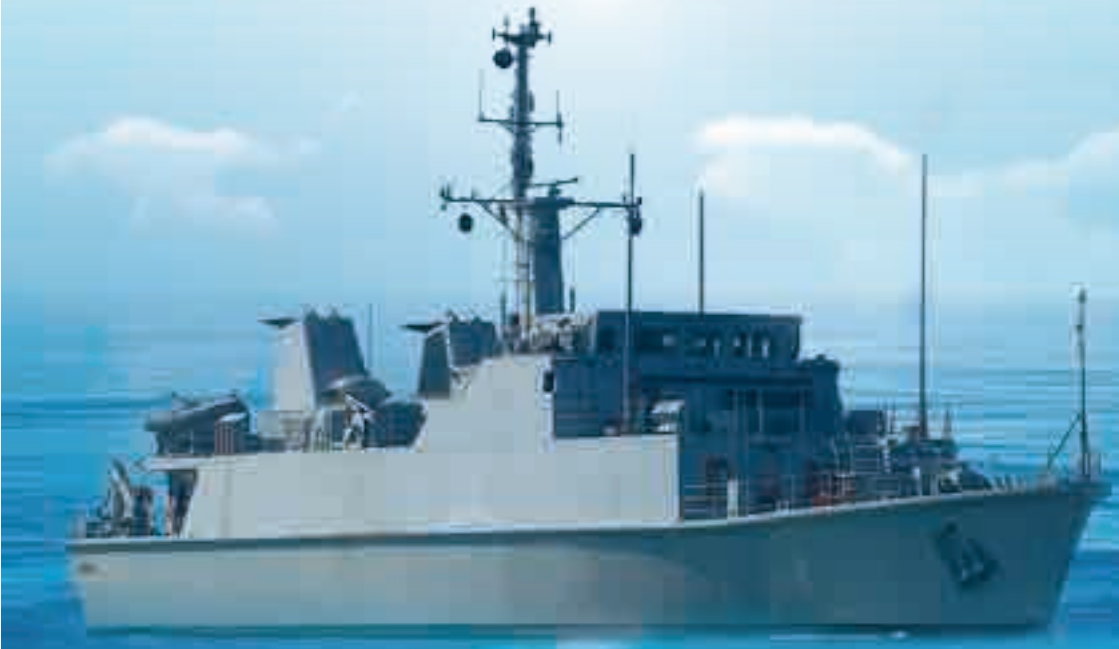
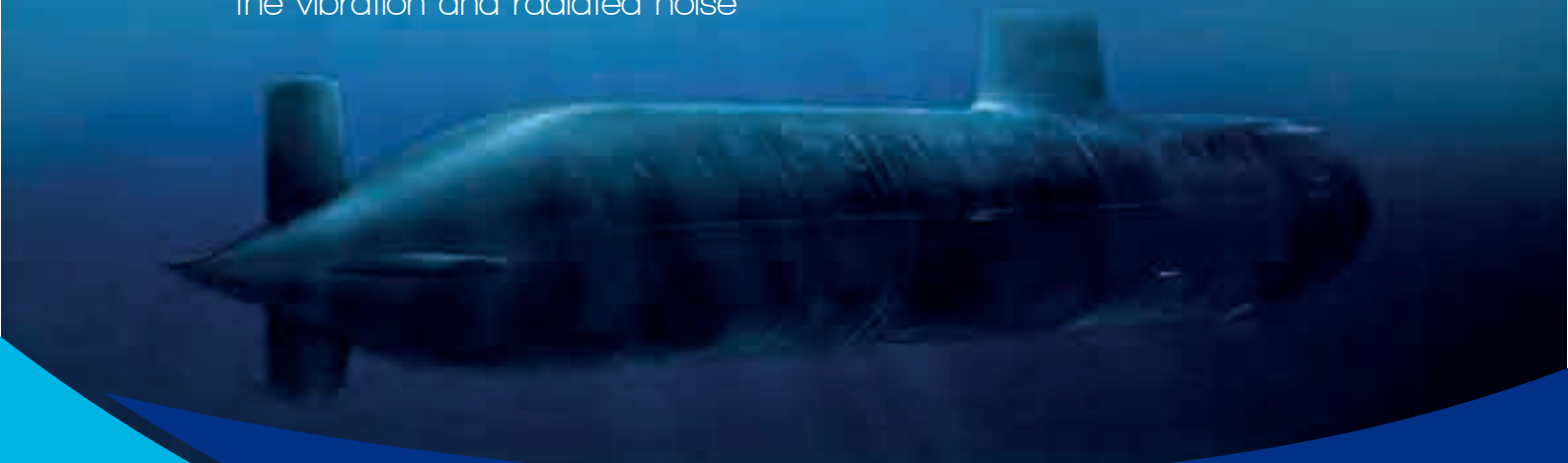
ONMS

Own Noise Monitoring System

If anything is changing the acoustic signature onboard the vessel, ONMS can be the difference between being detectable or not.



Keeping low the acoustic signature of a ship involved in ASW is a key item to preserve the safety of a submarine or urface ship. ONMS allows controlling the signature of the ship by monitoring the vibration and radiated noise



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Especialistas en Acústica y Electrónica Submarina
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SAES

ONMS measures vibration and noise of the platform, using accelerometers and hydrophones sensors to monitor noise sources.

ONMS sends noise alarms automatically when levels exceed a setting threshold and provides information in order to cancellation of own noise in sonars.

ONMS allows analysis on a specific sensor to support the operator to evaluate the noise source and for ship predictive maintenance.

ONMS can work stand-alone or integrated with the Combat System, either in a dedicated console (locally or remotely operated) or adapted to a multi-function console of the Combat System.

ONMS can be installed on surface ships (referred as CRV system) or submarines.

SENSORS	Hydrophones	Latest generation.
		High sensitivity, adapted to the hull.
	Accelerometers	Strategically situated. Quantity and location depending on the platform.

Hydrophones
In submarines

Accelerometers
In submarines and surface ships

ONMS COMPONENTS

Acquisition Units
Signal conditioning and digitizing

Distribution Units
Ethernet integration

Operator Control Console
High processing capacity and user interface intuitive

Main Features

- Continuous and simultaneous monitoring of sensors, strategically distributed to measure vibration and noise sources of the ship.
- Adaptable to any type of Submarines or Surface Ships.
- Easy integration with the Combat System.
- Small size, easy installation into the platform.
- Scalable system.
- Successfully tested against shock and vibrations, EMC and environmental standard test.

ONMS is in service on board spanish minehunters and submarines

SAES

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