MINCOA

Multi-Influence Naval Combat Mine

MINCOA is an advanced system designed to meet the mining needs of any Navy.

The system comprises three types of smart naval mines, equipped with sensors for detecting acoustic, electrical, magnetic, seismic and pressure influences.

Among its features, its modularity stands out, the ability to adapt to the final configuration of its sensors, and the compatibility of all types of mines with external systems.

Cylindrical Mine

This high explosive naval mine is compatible with weapon systems onboard submarines, and is designed to operate in deep waters.

Low Profile Mine

Designed to optimise its burial ratio, this mine is resistant to sea currents and difficult to detect. It is also designed to operate in shallow waters.

Moored Mine

The moored mine is designed to be deployed in deep water operational environments.

Programming and Maintenance Systems.

Programming System

This system offers services for programming the operational parameters of the unit and includes the ability to import files. In addition, it has a simulation module that allows the user to estimate the behaviour of the naval mine in a specific Ship-Mine scenario, and optimise the operational parameters.

Maintenance and Test System

This system is used to verify the functional status of the operational units throughout their life cycle.

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Cylindrical Mine

Low Profile Mine

Moored Mine

Thanks to the modular design of MINCOA, the modules that integrate pyrotechnic elements are supplied independently to the electronic system, which integrates sensors and batteries. This facilitates its transport, storage, handling and maintenance.

SAES is the Naval Mine Design Authority, so it has the ability to design combat units suitable to the customer's requirements.

MAIN FEATURES OF MINCOA

	Cylindrical Mine	Low Profile Mine	Moored Mine
Physical Features	*Features adaptable to the customer's needs. Approximate weight and measurements: Diameter / Length: 533 mm / 2600 mm Total weight in air: approx. 950 kg Explosive: Sensitive / Insensitive	*Features adaptable to the customer's needs. Approximate weight and measurements: Diameter / Height: 970mm / 465 mm Total weight in air: approx. 230 kg Explosive: Sensitive / Insensitive	*Features adaptable to the customer's needs. Approximate weight and measurements: Diameter / Length: 1080 mm / 1620 mm Total weight in air: approx. 930 kg Explosive: Sensitive / Insensitive
Operational Features	Operating depth: 5 to 150 m Storage: more than 6 years Influences: acoustic, seismic, electric, magnetic, pressure (configurable) Anti-tampering capability Communication: acoustic link (optional) Deployment platform: submarine, surface vessel	Operating depth: 3 to 100 m Storage: more than 10 years Influences: acoustic, seismic, electric, magnetic, pressure (configurable) Anti-tampering capability Communication: acoustic link (optional) Deployment platform: surface vessel	Operating depth: 5 to 300 m Storage: more than 10 years Influences: acoustic, seismic, electric, magnetic, pressure (configurable) Anti-tampering capability Communication: acoustic link (optional) Deployment platform: surface vessel
Safety Features	Automatic launch detection, arming delay and sterilisation	Automatic launch detection, arming delay and sterilisation	Automatic launch detection, arming delay and sterilisation

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