

MINEA

Multi-Influence Exercise Naval Mine

The MINEA system is one of the most advanced training solutions in mine warfare currently in service.

It offers an inert functional replica of the MINCOA family, including the operational units, equipped with sensors for detecting acoustic, electrical, magnetic, seismic and pressure influences; as well as the programming and maintenance subsystems.



Cylindrical Mine

Designed for deployment by submarine or surface ship. It is designed to operate in deep waters.

Low Profile Mine

This mine is designed to favour its burial and resist marine currents, making it especially difficult to detect. It is also designed to operate in shallow waters.

Moored Mine

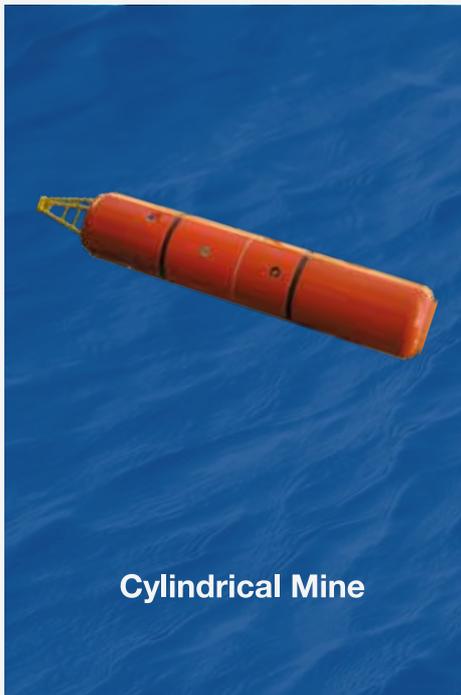
Designed for deployment in very deep waters, it reaches greater depths than the rest of the MINEA mines. This mine consists of a ballast that serves as an anchor for the main body of the mine.

All MINEA units come equipped with self-recovery systems and an acoustic link for communication and reprogramming of the units once deployed.

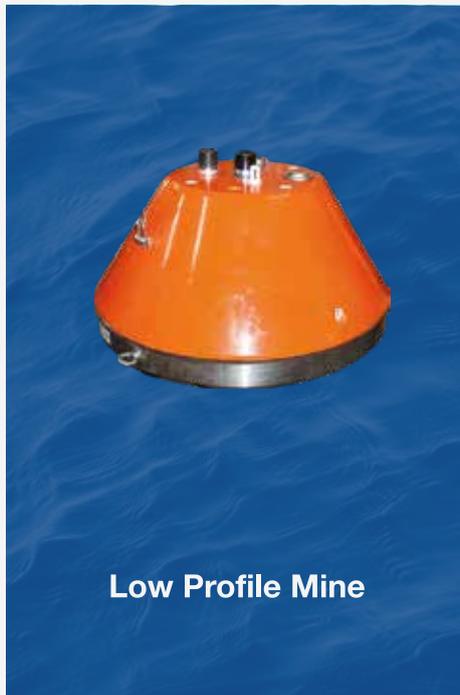
Programming and Maintenance System

The Programming System allows the configuration of the mine's operational parameters, as well as the analysis and recovery of data related to the exercise performed. The system is used to verify the functional status of the exercise units throughout their life cycle.





Cylindrical Mine



Low Profile Mine



Moored Mine

The MINEA family's multi-influence naval exercise mines support different operational scenarios. Communication with the units can be carried out through an acoustic link, allowing them to be reprogrammed or to recover data from an exercise, once deployed. All mines can be deployed by surface ships, and the cylindrical mine can also be deployed by a submarine. The programming and maintenance systems are compatible with all types of exercise units.

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

MAIN FEATURES OF MINEA

	Cylindrical Mine	Low Profile Mine	Moored Mine
Physical Features	<p>* Features adaptable to the customer's needs. Approximate weight and measurements:</p> <p>Diameter / Length: 530 mm / 2600 mm</p> <p>Total weight in air: approx. 600 kg</p>	<p>* Features adaptable to the customer's needs. Approximate weight and measurements:</p> <p>Diameter / Height: 973 mm / 467 mm</p> <p>Total weight in air: approx. 228 kg</p>	<p>* Features adaptable to the customer's needs. Approximate weight and measurements:</p> <p>Diameter / Length: 1080 mm / 1620 mm</p> <p>Total weight in air: approx. 935 kg</p>
Operational Features	<p>Operating depth: 10 to 65 m</p> <p>Influences: acoustic, seismic, electric, magnetic, pressure (configurable)</p> <p>Communication: infrared / acoustic link</p> <p>Deployment platform: submarine, surface vessel</p>	<p>Operating depth: 10 to 30 m</p> <p>Influences: acoustic, seismic, electric, magnetic, pressure (configurable)</p> <p>Communication: infrared / acoustic link</p> <p>Deployment platform: surface vessel</p>	<p>Operating depth: 10 to 65 m</p> <p>Influences: acoustic, seismic, electric, magnetic, pressure (configurable)</p> <p>Communication: infrared / acoustic link</p> <p>Deployment platform: surface vessel</p>