



MINE WARFARE VESSEL **MJ332**

MASTERY IN **MINE COUNTERMEASURES**

Rheinmetall's Mine Warfare Vessels are equipped with cutting-edge technology to neutralise and destroy naval mines. Our mine countermeasure ships are renowned worldwide due to their high level of unit protection, integration of sophisticated mine countermeasure systems and use of advanced construction materials. This allows for operations inside the minefield whilst ensuring a high level of protection for both the crew and the vessel. Based on the rules of mine countermeasure, there is always a need to operate within the minefield – 'hunt where you can, sweep where you must' and 'unmanned where you can, manned where you must'.

TAKING RESPONSIBILITY IN A CHANGING WORLD



PURPOSE-BUILT TO DETECT AND DESTROY MINES

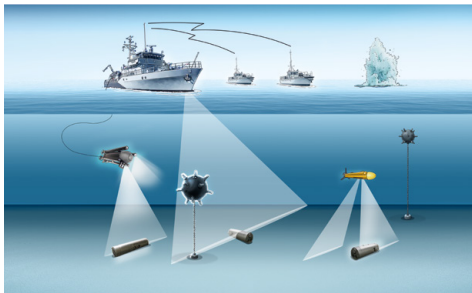
The non-magnetic steel used for the hull and superstructure of our mine warfare vessels provides maximum flexibility and stability, guaranteeing important tactical advantages as well as effective protection from fire and explosions. In addition, low magnetic and acoustic signatures increase the success of mine countermeasure (MCM) operations and the safety of the crew. The use of advanced technology ensures that we also meet high safety standards. Our vessels are equipped for heavy-influence minesweeping and minehunting. We use remote-controlled boats for influence minesweeping as well as underwater drones for minehunting. The sonar systems of the vessels and underwater drones (SeaFox type) are used to identify and relocate underwater contacts and to help with the destruction of naval mines.

The recent upgrade of three MJ332 vessels has been a very successful project for the German Navy. This included the installation of four surface drones for heavy-influence minesweeping and the implementation of the newest version of the integrated MCM system.

ADVANTAGES AT A GLANCE

- Reliability in detection and clearance of mines
- Integration of sophisticated MCM systems
- Acoustic and magnetic signature management ensures optimum crew protection whilst operating inside the minefield
- NATO standard for magnetic and acoustic signatures
- Repairs and upgrades are cost-effective, even after many years
- Maximum safety and stability guarantee tactical advantages

Minehunting and minesweeping in one integrated platform



Proven design and customised upgrading



DATA AND INFORMATION – MJ332

General

Type	MJ332
First of class	Frankenthal
First commissioning	1992

Dimensions and Crew

Displacement	650 t
Length	54.4 m
Beam	9.2 m
Draught	2.6 m
Crew	45

Propulsion

Diesel engines	2
Electric motors	2
Total power	14,800 kW
Propellers	2 × CPP
Speed	>25 kn

Capabilities

Mine warfare

Minehunting and influence minesweeping

Maritime patrol and surveillance

Confined and shallow-water operations

Sensors/Communication

Navigation radar

Surface drones surveillance radar

Integrated mine countermeasure system

MSP 500

DSQS 11M

Weapons

MLG 27

Stinger

MASS decoy

SeaFox C&I

EOD driver

Additional Capabilities

Minelaying

Approaching for RAS manoeuvre

