

Expendable Mine Disposal

ECA Group has delivered an integrated solution for mine counter measure for a navy. This navy is switching from mine hunters (50m boats managed by a crew of 40 people) to a new unmanned system, controlled by only 3 people, allowing to cut operational costs and reduce significantly human risks.

This unmanned solution for MCM operations is the first completely automated underwater robot demining system, including EMDS (Expendable Mine Disposal System) which can be remotely piloted and use a highly secured dedicated link for neutralization sequence. This ECA Group system completes the Unmanned Surface Vessels (USV) built by a partner company.

The USV is equipped with an inspection function using the K-STER I and a destruction one using K-STER C. All the vehicles are launched autonomously with an automated Launch and Recovery System (LARS), remotely piloted via a radio or satellite link.

Onshore, crew launches and pilots remotely from the Control & Command Center the inspection vehicle.

If a mine is found a Disposal vehicle K-STER C is deployed by a dedicated launching system, in order to destroy the mine.



K-STER

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