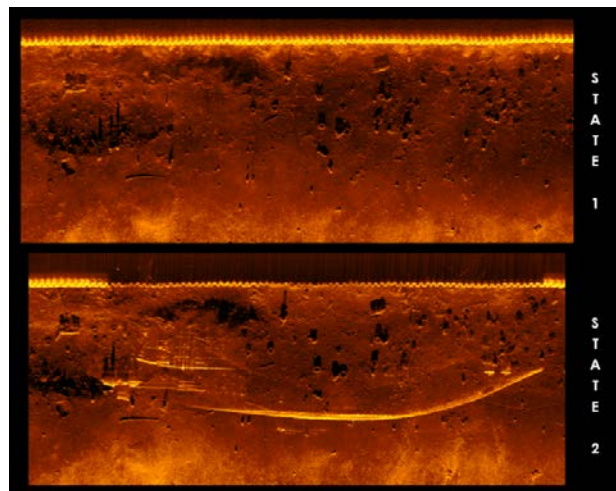


NEWS EURONAVAL 2016 - Harbor protection survey by AUVs: ECA Group A9-M AUV & change detection processing

During Euronaval (17-21 October 2016), ECA Group will present its concept of change detection processing operational concept for harbor protection based on AUV survey. Combined with navigational capabilities of the ECA Group AUV A9-M, the change detection module is now available in the data processing software suite developed by ECA.

In congested areas of ports, detection of new objects (like underwater IED) is complex. In addition, on port authorities' requirement, the traffic during the survey mission is non-interruptible. ECA Group offers a solution combined its A9-M AUV and Data processing algorithm to meet these challenges.



ECA Group: Seabed sonar imageries: comparison between safe state (1) and new state (2) after data reacquisition by AUV

The use of an AUV A9-M allows flexibly identical tasks at regular intervals, while maintaining normal operations in port. His altitude tracking very close to the bottom is a great advantage compared to surface vehicle or towed sonar.

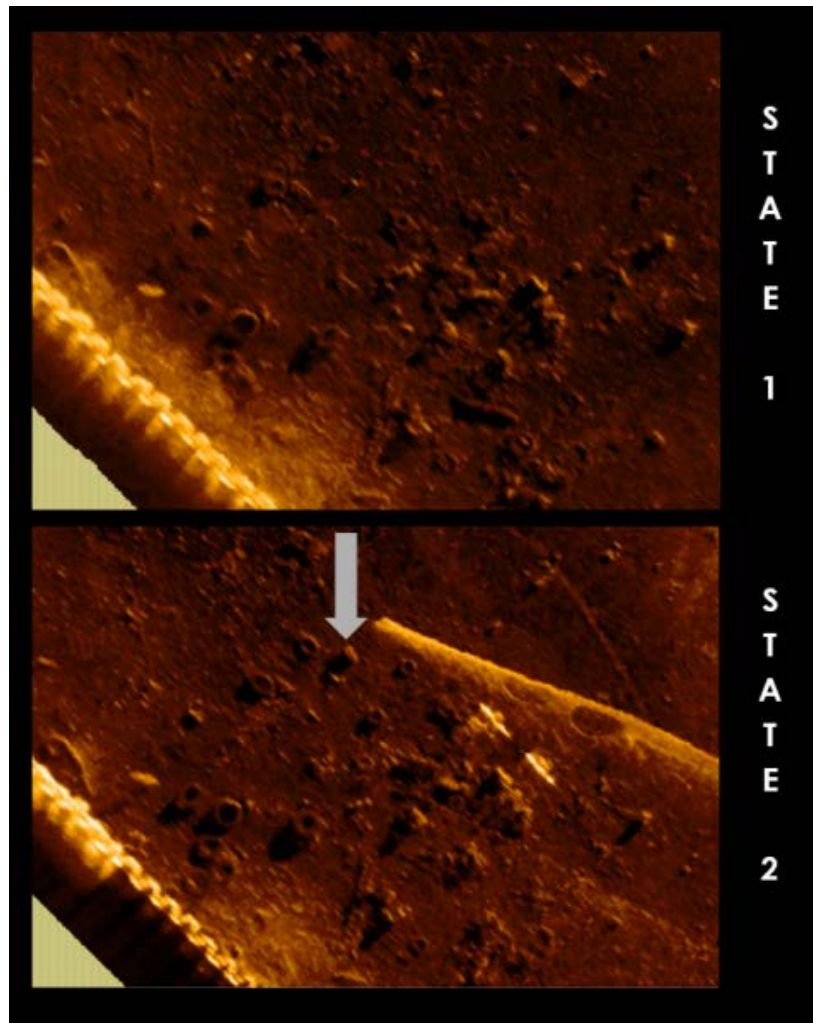


ECA Group: AUV A9 survey

The change detection method permits to differentiate new object versus objects know since last survey.

New algorithm for image coregistration was developed to assist the operator during the search of underwater IED threats.

The [ECA Group software suite](#) associated with the [A9-M AUV](#) system allows an aid to early detection of new contacts through the use of elastic shifting algorithm.



ECA Group: detection of a suspicious *object at the bow* (gray arrow)

During Euronaval, a dedicated conference on ECA Group **booth H73-F70** will show the interest of using an A9-M AUV linked with this innovative sonar processing suite.

Learn more about this ECA Group solution and attend the conference Harbor protection survey by AUVs: A9M & Change detection on

Monday 17/10 at 14h30.

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ECA Group

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In 2015, the Group reported revenue of 105.2 M€ for its three Departments: Robotics, Aerospace and Simulation.

ECA Group is a Groupe Gorgé company.

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