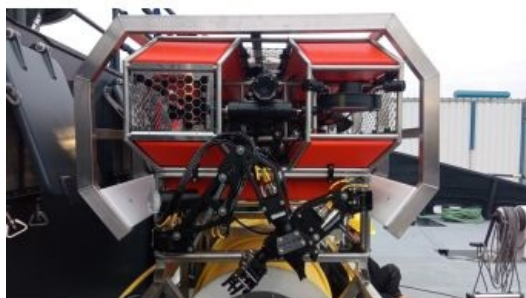
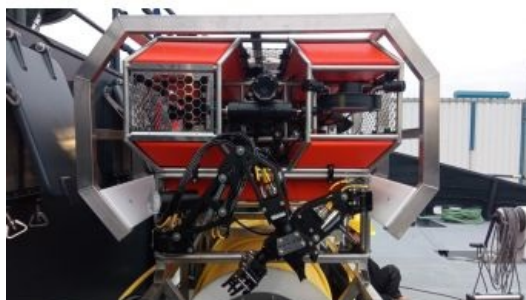


Mariscope Unveils Rescue and Support ROV with Full Integration



Mariscope Meerestechnik has added another new model to its fleet. The Commander MK III Rescue is an ROV with features that stand out in a vehicle of this class. This ROV serves as an example of how Mariscope customizes a model and executes system integration, according to the specific needs of its clients.



The first Commander MK III Rescue vehicle has been installed on board the shadow boat *HODOR* as the rescue unit for the *SEAmagine Aurora 3* manned submarine, which this vessel carries and operates. Like the *Aurora*, this ROV has a working depth of 1,000 metres, thus guaranteeing support throughout the whole depth range in which the submarine operates.

Forward-looking Sonar

To increase the strength and speed of the vehicle (aspects that can be decisive in a rescue operation), the power of the six vectorized thrusters with which the ROV is equipped has been increased to 800W each, allowing it to reach speeds of up to 7 knots

while maintaining its manoeuvrability and facing any current situation that it might find underwater.

The ROV pilot has a high-resolution live image of the operation thanks to its two full-HD cameras (front and rear). These cameras are complemented by an additional full-HD high-resolution camera with zoom, thus allowing for detailed live images during precision tasks. To guarantee that a rescue operation can be carried out under even the most extreme conditions, the vehicle is equipped with a forward-looking sonar that avoids collisions with objects during operations and performs search tasks even in poor visibility conditions.

The onboard USBL tracking system is coupled to the unit of *Aurora 3* for perfect positioning during a possible rescue operation and to reduce rescue times.



Mariscope Commander MK III Rescue.

Real-time Supervision

Thanks to the features incorporated in this ROV, real-time supervision or control during the operation or a search, location and rescue of the submarine can be carried out. Faced with the possibility of having to move forward in a rescue operation, this support vehicle has two powerful hydraulic multi-function manipulation and cutting manipulators, which allow it to perform a wide range of tasks.

Keeping in mind that in a search and rescue operation it is vital to start the operation quickly and efficiently, an exclusive storage and deploying system was developed and installed in the vessel, simplifying the launching and recovery of the vehicle. The design and installation is carried out according to the specific requirements of the client and the ship to achieve a minimum footprint and interference on the deck, developing the type of unique solution that characterizes Mariscope developments.

The control and video consoles are fully integrated on *HODOR*'s bridge and operating systems in order to allow full control of the ROV. It can also be controlled from a portable unit that can be used on support vessels.

This ROV, taking into account the level of its integration with any ship according to its characteristics, represents a versatile solution in the market, making it not only a reliable rescue vehicle for submarines, but for any underwater rescue operation.



The Mariscope Commander MK III Rescue ROV on board of the shadow boat *HODOR*.

