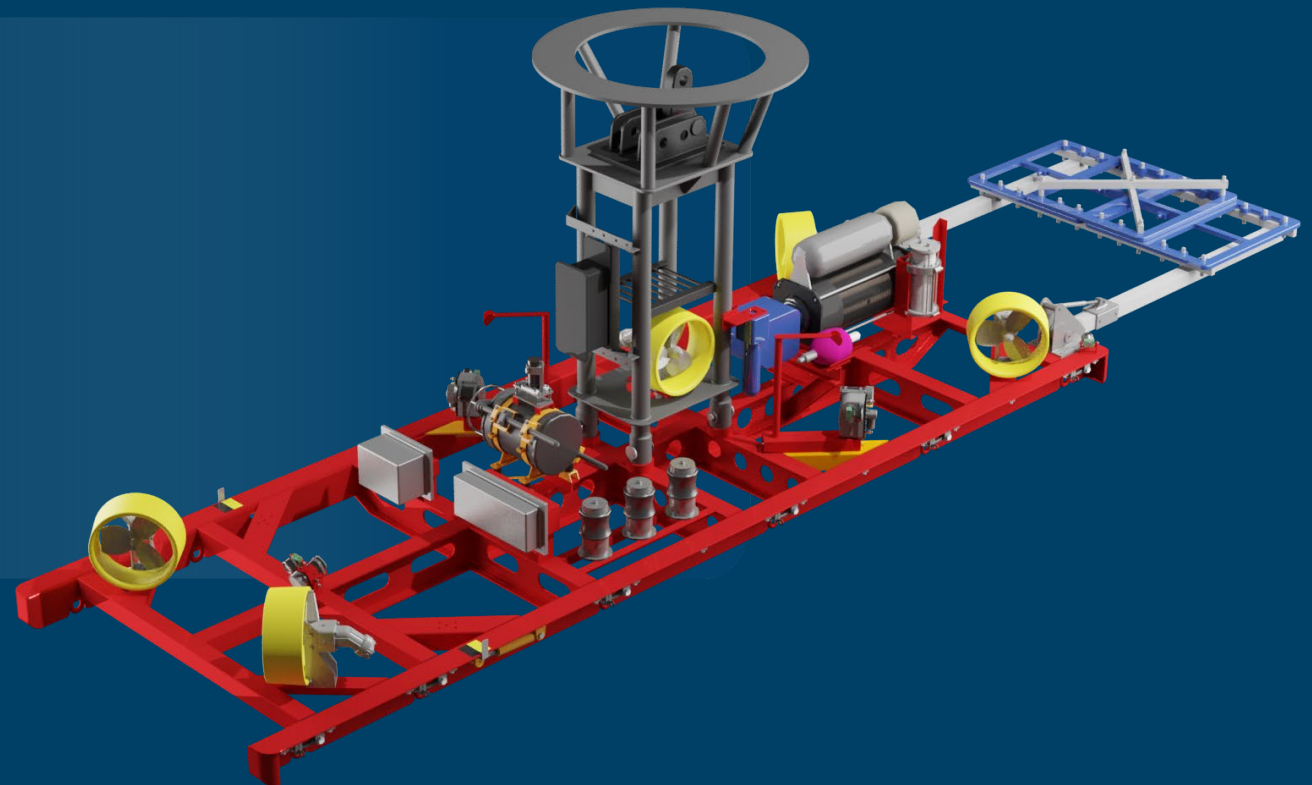


# AssoMat II

Mattress Installation Frame



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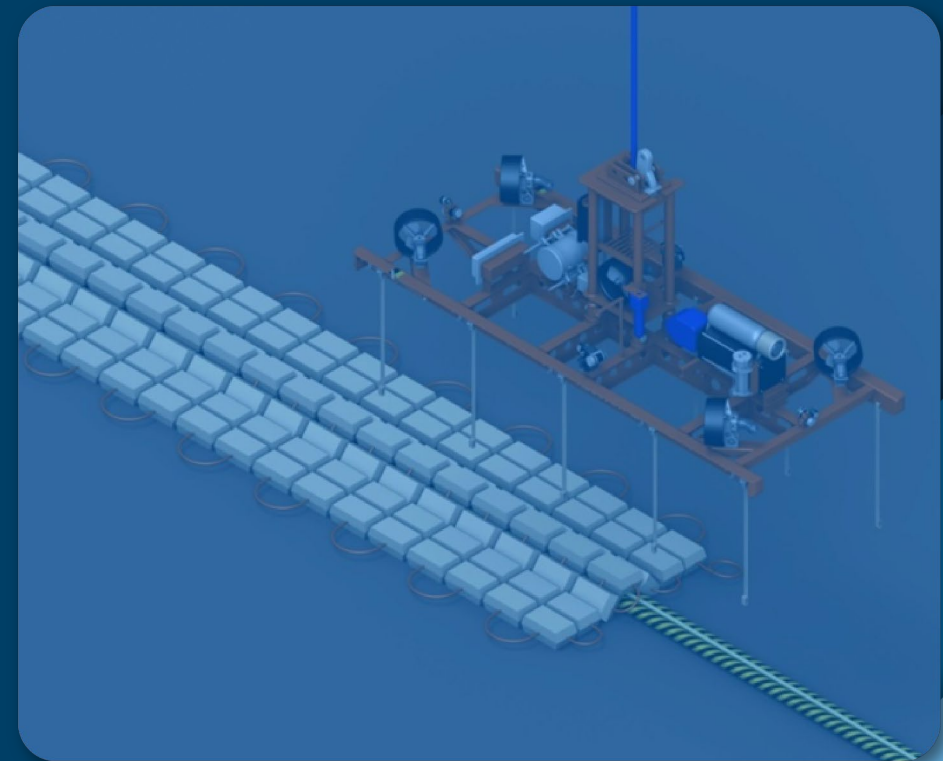
## Mattress Installation Frame

The AssoMat II is an updated version of its predecessor, the AssoMat I. It is a purpose built mattress, or similar product, installation frame which is focused in increased control and product positioning accuracy.

This in-house system designed for fast and accurate installation of mattresses and similar products designed for provision of protection on cables, pipelines and crossings. It is ideal selection for crossings protection and cable/pipe free-span rectification.

The AssoMat II eliminates the need for complicated/bulky support equipment on deck that would, in other cases, assist in frame's maneuvering.

This new version is extremely versatile and can easily be incorporated onto existent trenching spreads taking advantage of existent deck equipment and minimizing mobilization/ demobilization time.



## General

AssoMat II is differentiated from the competition as it is a self-propelled autonomous installation frame. Its dimensions (5.5m x 2.9m), along with four thrusters and a powerful 200HP HPU unit provide a formidable outcome able to operate at high water depths with adverse local conditions like high currents.

This configuration provides full two dimensional control (sway, yaw, surge) which along with the incorporated electronics that provide operator feedback including but not limited to pitch, roll, heave, water depth, altimeter, sonar readings etc.

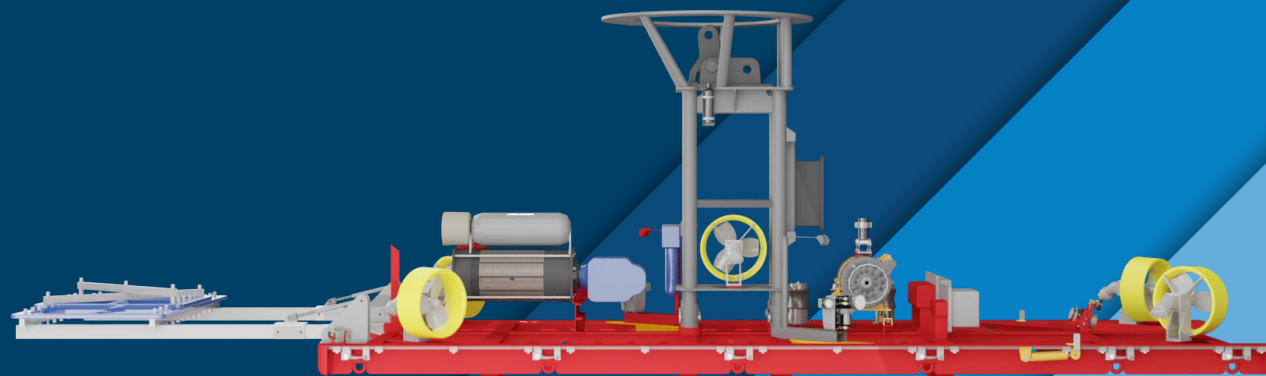
This arrangement has been designed to allow for accurate positioning of the mattresses along the protected route and proper alignment of the sequence of mattresses.

## Power Supply

Power supply and communication with the Installation Frame is effected through a dedicated umbilical, managed from the deck through suitable deck equipment.

## Specifications

<b>Dimensions</b>	<b>L5.5 m W2.9 m H2 m</b>	<b>Up to 8 low light cameras</b>
<b>Power</b>	<b>200 HP</b>	<b>Up to 4 pan/tilt</b>
<b>Weight</b>	<b>2500 Kg</b>	<b>Up to 12 LED lights fully dimmable</b>
<b>Max product weight</b>	<b>12000 Kg</b>	<b>Up to 4 sonar (both imaging &amp; profiling)</b>
<b>Max operation depth</b>	<b>3000 m</b>	<b>1 x altimeter with option for more</b>
		<b>1 x gyro compass</b>
		<b>Up to two SSBL transponder</b>



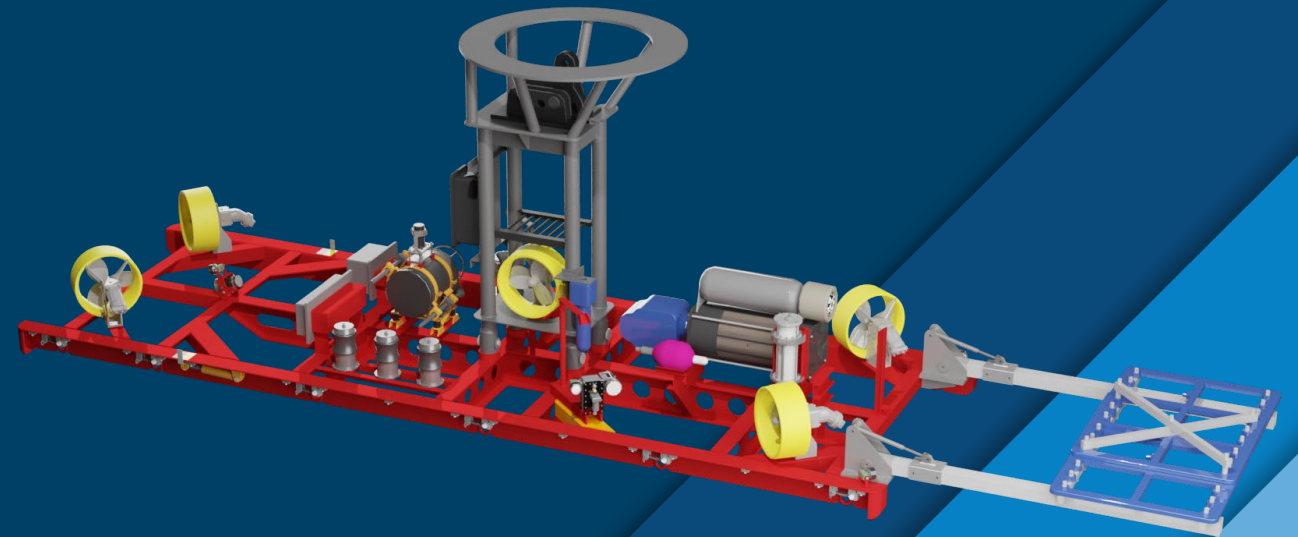
## Control Room

The control room is a 20 feet container properly modified containing the controls of the A-frame and the AssoMat II, in addition to the computers and the displays of cameras and sonars.

All images from cameras and data from AssoMat II are recorded real time at “black box” instrumentation and may be broadcasted to remote locations if needed.

This arrangement allows for proper monitoring of not only the mattresses frame but the general condition of the vessel position and the surrounding area monitored from the ROV.

The AssoMat II is suitable for both installation and survey of the installed products. Since basically the AssoMat II is capable of free 2 dimensional movements it is able to perform visual survey of completed installation eliminating the need for an ROV.



## Membership - Accreditations



## Disclaimer

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement. Specifications are subject to change without any prior notification.

## Contact Information

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