DOCKSIDE TRAVEL-LIFT MOD. MANTIS

MANTIS-LIFT is a dockside crane designed to carry out all the operations of a classic travel-lift in shipyards where there are no offshore structures for launching and hauling.
Created to meet the needs of industry operators, **MANTIS-LIFT** has been fully developed, designed, and patented by Step Technology.

MAIN FEATURES

- **Transport configuration** similar to a common **travel-lift** for hauling and transporting boats.
- **DOES NOT REQUIRE** any **additional trolley** for transportation to boat storage areas: all operations are carried out with **MANTIS-LIFT**, **cutting the costs** of purchasing other machines and the related expenses for handling and maintenance personnel.
- **DOES NOT REQUIRE** any **ballast on board**, significantly reducing the load on the wheels during transport.
- With **MANTIS-LIFT**, it is possible to **lift catamarans or sailing boats** as well, thanks to the front arms with openings that allow the mast(s) to pass through.
- **Electronic steering** allows for **all** possible **types of steering** (two front-steering wheels, two rear-steering wheels, carousel, crab steering, 90° lateral translation, and double concentric steering).
- **Folding upper beams** that extend beyond the dock only during the lifting and lowering of boats.
- **Upper beam folding** operations are **fast, safe, and automatic**, managed and controlled by the onboard software.
- Optional **variable track** to reduce boat storage space requirements.
- **Winches with dual speed, independent and synchronized**, to achieve perfectly aligned and balanced lifting.

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- A **weighing system** that allows the **display** of the lifted weight at the stern, at the bow, and the total weight of the boat on the machine's display. It also allows limiting the lifted load to the nominal capacity and setting alarm thresholds.

- **Translation and steering** are **fully electric**, as are the lifting and movement of the trolleys, while the folding of the upper beams is electro-hydraulic.

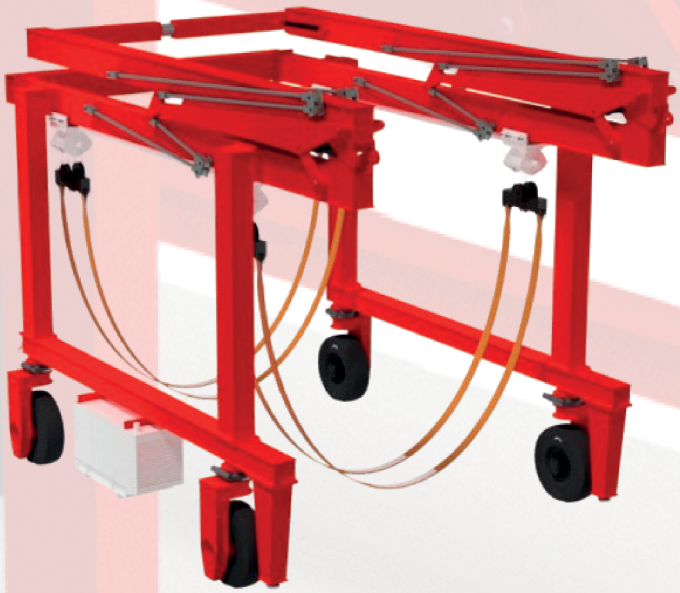
- The propulsion is provided by an **onboard generator** or **power supply** from the shipyard's electrical grid, along with a cable reel; the machine can also be powered by an optional battery pack. Switching from one power source to another is easy and fast.

- The machine is equipped with **onboard outlets** for **220 V / 400 V** power supply to run electric tools.

- Control and management of the machine are possible via a **remote control** or the onboard **touchscreen** (optional wired control).

- **Remote assistance** enables fast and precise intervention to minimize any potential machine downtime.

For more information, visit our website: **www.step-technology.it in the "PATENTS" section.**



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