

Docking Simulator



Purpose

The docking simulator is an operational decision support tool when preparing a stopover, depending on the characteristics of the ship, the occupation of the quays and their structural capacity to receive it.



Features

- ❖ Modeling of bollards and fenders on each quay of the port, with their position, condition and ability to withstand the operating loads
- ❖ Correct positioning of the ships at the quay according to the available space and the water depth
- ❖ Definition of the mooring
- ❖ Mooring simulation
- ❖ Berthing simulation

Results

- ❖ Efforts in the bollards due to mooring
- ❖ Energy absorbed by the defenses during berthing
- ❖ Maximum speed and approach angle of the ship when berthing
- ❖ Graphical representation of the infrastructure ability to receive the vessel
- ❖ Mooring plan

Atouts

- ❖ Quick decision making when preparing a stopover
- ❖ Economical solution that makes it possible to avoid the commissioning of a study when a new situation arises: ship that enters for the first time in the port or moored to a different position than usual, changes of infrastructure, etc.



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