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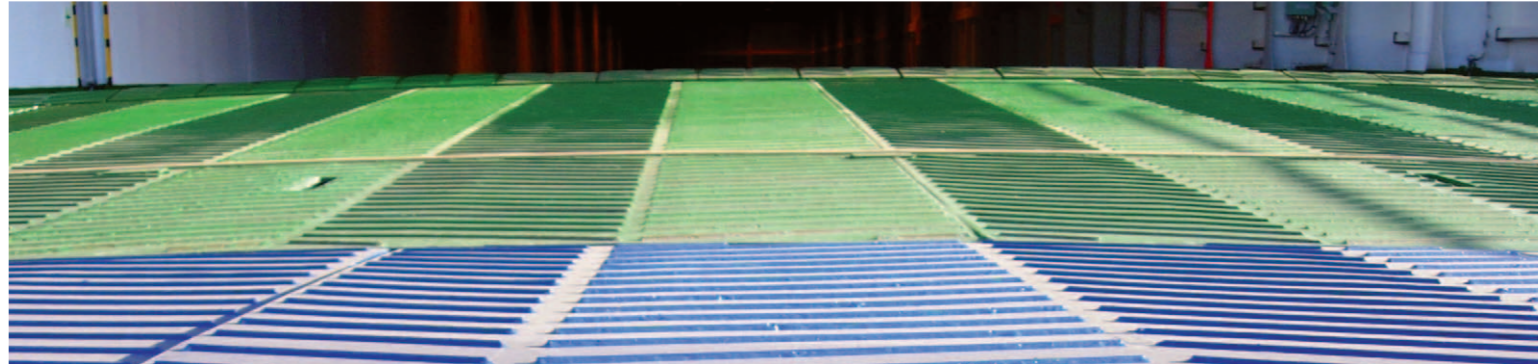
Ro-Ro Equipment
For PCTC, Ropax vessel and Navy ship

Innovative Partner
Leading you into advanced cargo access systems

To find out more, visit www.seohae-ms.com



It starts with technical competence



PCTC
(Pure Car Truck Carriers)



Seohae has specialized in designing and manufacturing cargo access equipment for Ro-Ro car carrier, passenger ferries and navy ships. The line of products includes bow ramp/door, passenger ramp/door, quarter stern ramp/door, side ramp/door, inner bulkhead door, two-way titable ramp, side & end hinged ramp cover, hoistable car deck & ramp and liftable car deck.

Seohae has provided complete turn-key solutions from initial design to delivery. This enables customers to eliminate the additional costs, liability issues and time delays which will inevitably occur when having multiple vendors for different parts of the project. Together with a uniform quality and a guarantee for concrete access we trust we are offering our clients the best value for money.

Our state of the art design and high quality products are delivered from our modern design office and factory in Korea. Through our world-wide service network we are able to deliver fast and reliable after sales and service for our systems.



Quarter ramp

One of angled stern ramp combined with a watertight stern door will be arranged aft and linked to the ship on the level of a certain deck to access of vehicle load with available loading condition. The design of the stern quarter ramp creates a minimum head wind resistance in stowed position.



Side Ramp

Two or three leveled side ramps allow convenient cargo handling under various ship draughts and port conditions. It is operated by hydraulic winches and working levels can be adjusted through jigger winches.



Car deck system

The thin car decks can offer increased stability and reduction in the ship's weight, thus allowing the shipyard/owner to have an optimized ship design standard modular systems also offer easy installation, minimal maintenance and cost saving.

Hydraulic Winch system

Opening and closing will be done through the hydraulic winch using wire ropes. The driveway will be covered with anti-skid bars. Ladders and platform will be arranged for easy access to sheaves, wires, hydraulic equipment when ramp is in stowed position. Tightening will be achieved by means of a rubber packing mounted on the hull,



RoPax Vessels



Navy Ship



Bow Ramp/ Door

Bow doors open parallel to side shell or upwards. Bow ramp plays as a corrosion bulkhead door in case of detachable type. For conventional type, another corrosion inner bulkhead door is to be considered. Automatic control includes sequential operation by PLC or manual control. Bridge indication is provided of the door in a closed/ locked condition.



Two-way titable ramp/ Door

Seohae titable ramps which are provided with flaps and hinge facilities at both ends have a flexibility of vehicular mobility between two different deck levels. The hinge can be secured to the upper of the two decks, allowing the opposite end to be lowered to the other deck. This capability allows loading and unloading to take place in either direction.



Stern Ramp/ Door

Seohae stern ramp /door are designed to match the vessel's dimensions and the range of quay heights it will serve to make operational efficiency. The operation of the ramp is achieved either by two directional hydraulic cylinders, arranged on each side. When in closed position the ramp will act as a weathertight door. Cleats and locking devices secure the ramp/door.

Hydraulic Control Unit

The automatic and sequential operation of ramps is possible from a combined control stand which arranged near the equipment by means of pushbutton control. Local and remote control inhibited mode in wheel house to be installed.



Landing Platform Dock

Seohae has designed and manufactured roll on and roll off equipment for navy ship. One of that is landing platform dock which can operate land crafts. The docking system is located at the stern of the ship. Flooding of the dock area is achieved by ballasting the stern of the ship, allowing the land craft to float,



Stern Inner Bulkhead Door

One tight bulkhead door is installed at fore end of LCU dock, the opening is upward hinged and aft open type. In closed position, door is locked by hydraulic cleating devices. In open position, it is supported by mechanical supporting devices. The tightness is done by means of rubber sealing with compression plate stainless steel .



Vehicle lift

Vehicle lift is operated by built-in hydraulic operated jigger winch. Lift is acted as flush weather tight cover in upper deck. Raising and lowering of the lift is possible with trucks loaded. Hinged flap is installed at one lift end to provide an optimum traffic way in one directions.

Bridge Indication Panels

The bridge panel is equipped with an indication and alarm system for the equipment and is integrated in the bridge control desk in the wheel house. Indication light and switches is showed with selector switch, signal lamps, and buzzer.

