

# Cruise<sup>+</sup>

North Sea Handling is an international company focusing on providing the maritime industry with market-leading solutions within equipment for cargo/passenger access and energy efficiency. Innovation and long-term-philosophy are keywords in our everyday work.



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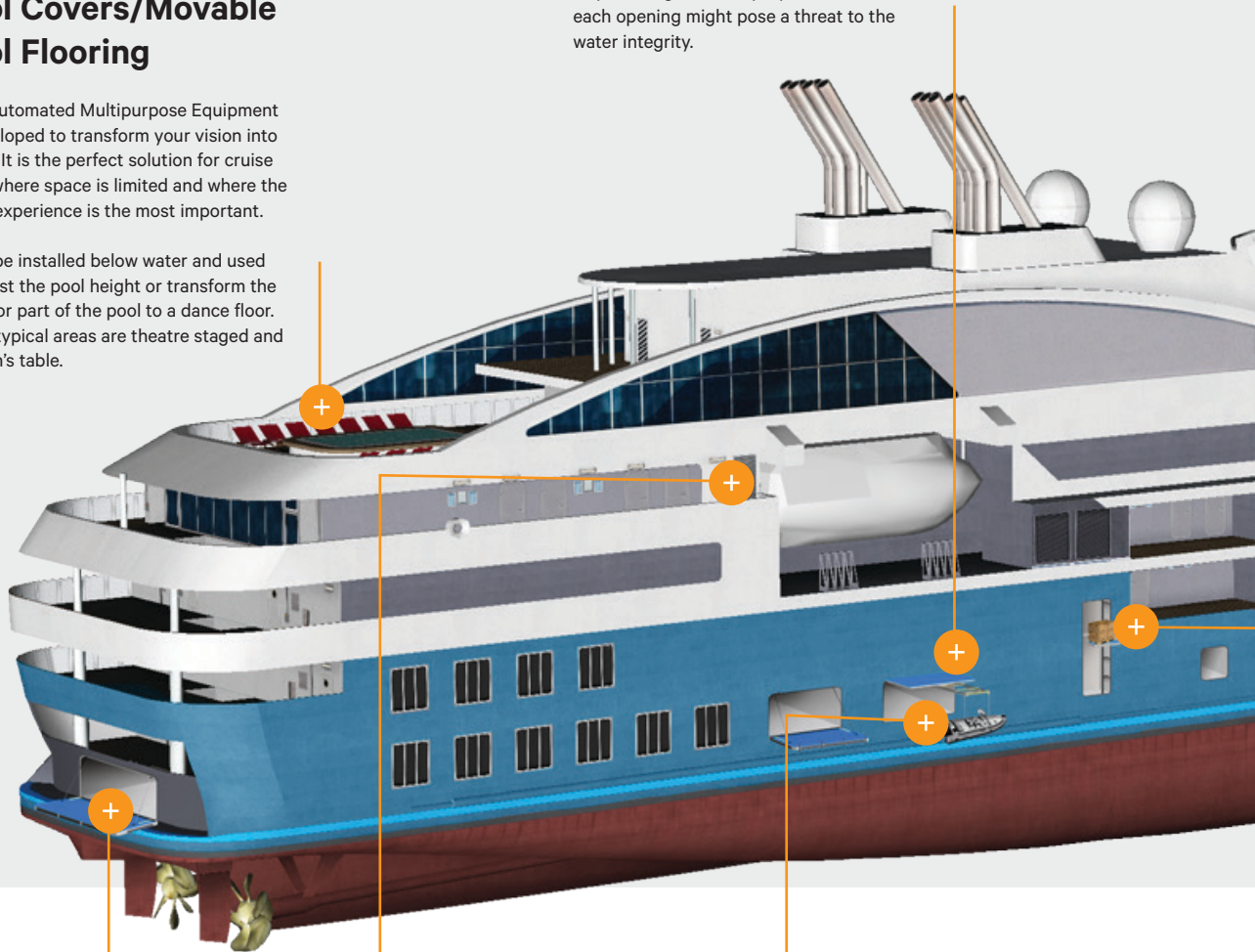
## Pool Covers/Movable Pool Flooring

NSH Automated Multipurpose Equipment is developed to transform your vision into reality. It is the perfect solution for cruise ships where space is limited and where the guest experience is the most important.

It can be installed below water and used to adjust the pool height or transform the whole or part of the pool to a dance floor. Other typical areas are theatre staged and captain's table.

## Side Shell Door

There can be several of shell openings in a ship, serving different purposes but where each opening might pose a threat to the water integrity.



## Marina Platform

A marina platform is another type of multifunction equipment, often located on the transom close to the water line and can serve different purposes. It can serve as a luxury area which allows passengers to come closer to the sea and at the same time providing the possibility of passenger transits by tender boats.

## Tender Platform

In open position when the ship is at sea, the tender platform is the basic feature to allow passenger transits by tender boats where they can be moored against the tender platform allowing a safe and efficient transit.

In closed/stowed position when the ship is sailing, the tender platform acts as a watertight door forming a barrier between the outside and the inside of the ship.

## Launch and Recovery System for Manned/ Unmanned Tender Boat and Submarine Operations

Passenger transfers by tender boats are being more popular and where some ships are totally dependent on it. This makes the equipment very vital and where it must always work properly to assure loading and unloading of passengers in an efficient and safe way.

When the system in addition shall be able to operate different type of watercrafts with personnel inside in different sea states, there are several of additional more strict requirements which must be fulfilled and where special competence must be applied.

## Passenger Gangway

For passengers to access and exit the ship in a safe way, gangways are an important feature. To have a gangway arrangement which takes up small amount of space, is stowable and easy to deploy are other important aspects.

## Hatch Cover

There can be several of deck openings in a ship, serving different purposes but where each opening might pose a threat to the water and fire integrity.

## Mooring/Observation Platform

For the crew to have a good overview of the surroundings when going into port, observation platforms can be a good alternative. They are often located very forward in the ship, are bottom hinged and folded outwards.

## Mooring Hatches

Mooring hatches are often used to prevent water from entering the mooring deck while at sea, but which can be opened in port during mooring.

## Side Loader

The side loader is the basic feature to allow loading and unloading of heavier type of cargo. In addition to all heavy loads the equipment is exposed to, it must be built to handle different quay heights and tidal differences.

The side loader is often built to operate between different decks inside the vessel and have a telescopic feature allowing it to shrink the distance between side shell and quay for more efficient and safe handling.

It is often designed as a platform where pallets and similar can be placed on top of the top plate, but it can also be designed as an overhead type of side loader.

## Internal Cargo Elevator

To be able to handle cargo between decks inside the ship, internal cargo elevators are an alternative. The cargo elevator can either be a stand-alone unit only acting as an elevator or it can form a watertight barrier when in stowed position fulfilling both the purpose as an elevator as a watertight hatch cover.

## Portable Loading Platform

NSH Loading Platform is a new standard type of multifunction equipment within the cruise industry. It can easily be installed on both newbuilds and on existing ships.

Portable Loading Platforms is the basic feature to allow loading and unloading of lighter cargo such as garbage, provision and luggage. NSH Loading Platform can be operated by one man and due to its compact size, one platform can be moved inside the vessel and used in several locations onboard the ship. It can be moved inside the vessel by usage of a "pallet jack" or by its own wheel system.

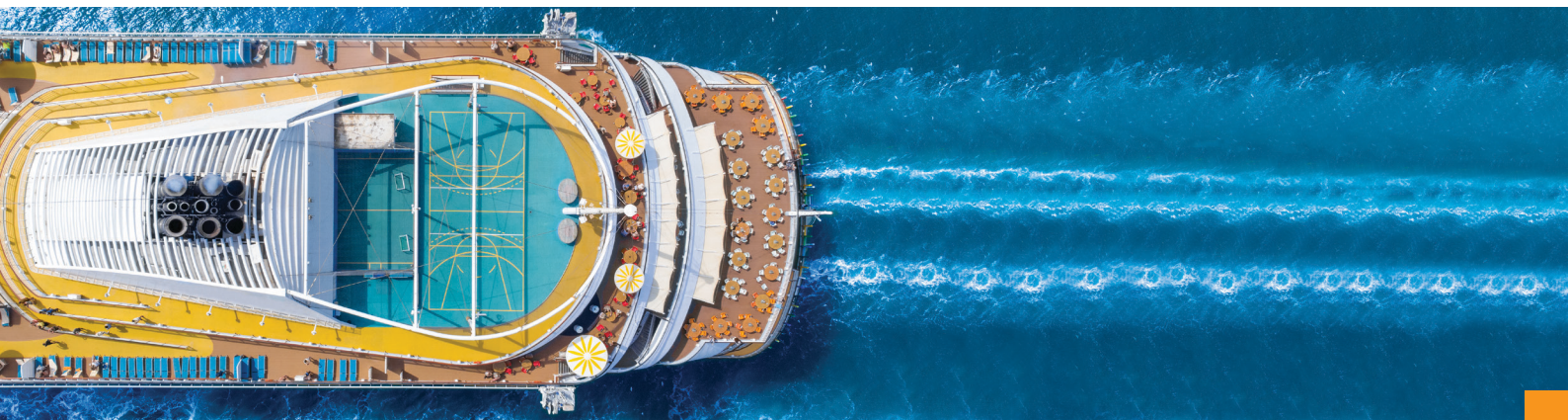


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