



advanced marine solutions

CRUISE VESSELS EQUIPMENT

CRUISE



Navalimpianti is leader in design and manufacturing of Cruise Vessels Equipments since 1990.

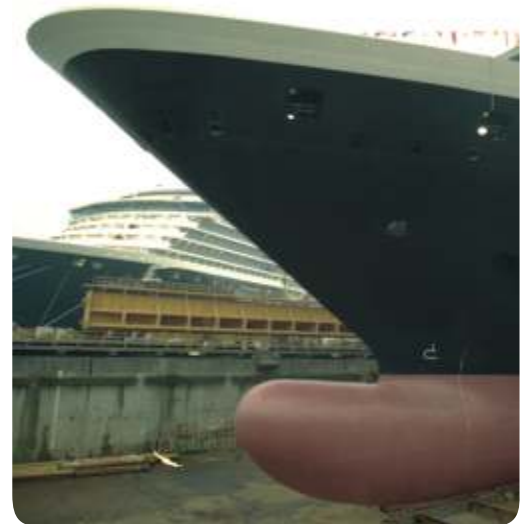
Our product line includes products that we design, supply and install for the main Ship Owners and Shipyards around the world is composed of:

- Shell doors
- Tender embarkation platforms
- Baggage loading platforms, quay ramps and monorail cranes
- Sky-dome™ (sliding covers for external areas and swimming pools)
- Windows washing machines

Navalimpianti designs and coordinates projects using the most advanced technologies in order to obtain optimal solutions to satisfy any specific requirements. Structures are optimized using FEM analysis and dynamic motion simulation technologies, in order to obtain reliable construction with hydraulic and automation systems fully integrated for easier and safer operations.

In addition, Navalimpianti provides, with its specialized teams, “turn-key” contracts, commissioning, after-sale services, and maintenance inspection programs.

In the past years, we developed unique experience in understanding Owners and Shipyards needs, which now allows us to ensure cost-effective, reliable and efficient products through the entire operational life of the ships.



SHELL DOORS



Navalimpianti offers a complete range of shell doors to fulfill the needs of loading and offloading passengers, crew, provisions and spares. Our design expertise is used in its full

capability in combination of our own experience and the suggestions from our Customers.

Supporting frame may be included in door design for a simple “weld in” installation. In this case structure is tailored according to the surface strength requirements, deck thickness and framing dimensions. Door hinges may be positioned at each one of the four sides and a minimal space is required when the door is open. Frame and door may be pre-fabricated and pre-tested in the factory to match exactly shape of the ship shell.

Navalimpianti integrated design guarantees the maximum resistance during the operational life of the door reducing maintenance problems.



TENDER EMBARKATION PLATFORMS



Navalimpianti Tender Platforms facilitate embarking and disembarking of passengers during tender operation.



Tender Platforms have multiple designs to guarantee high safety and weather-proofing capabilities separating door and platform or using single units with watertight recess.

Supporting frame may be included in platform design for a simple "weld in" installation. In this case structure is tailored according to the surface strength requirements, deck thickness and framing dimensions. Frame and platform may be pre-fabricated and pre-tested in the factory to match exactly the local hull shape.

Different types of equipments and accessories may be provided such as: stairs, fenders, bollards, wheelchairs facilities.



CARGO HANDLING SYSTEMS



Navalimpianti cargo handling system committed to passenger vessels can be achieved by platforms, quay ramps and cranes, available as single or integrated systems.

Baggage loading platforms provide solutions for transferring luggage, provisions and spares between different deck levels using vertical connection.

Platforms are available in a wide variety of structural and functional configurations to meet customer's applications and may be equipped with safety rails, acoustic and visual alarms, emergency stop.

Quay ramps are tailor-made for the desired operational profile of the ship. The particular design of our ramps enables the minimum time to be spent in port, ensuring easy operations and facilitating cargo handling using forklifts and small vehicles. Ramps may also work as doors forming a watertight closure in stowed position.

Monorail cranes are designed and manufactured to allow the handling of

material from quay to the inner part of the ship. Telescopic hoisting arm system includes travelling beams and trolley, hoisting devices and electric or hydraulic equipments for translation. Navalimpianti cranes may be supplied ready for installation on board.

Depending on the intended use and specified degree of automation, Navalimpianti can deliver any system perfectly adjusted to suit specific needs.



SKY - DOME™



Cruising the world, a ship can encounter many different weather conditions, from the cold Alaska to the steamy Caribbean. Navalimpianti can solve outside deck acclimatizing problems with Sky-Dome™ motorized glass roof cover.

Sky-Dome™ represents an exceptional added value allowing a multi-seasonal full employment of the ship. Moreover, is an important architectural signature of a cruise vessel, with a clear customized distinction from the others, tailored on each ship according to the most advanced structural design and technology.

Sky-Dome™ structural part it is made of sliding panels; each one has reticular or beam, shell or grid, depending on the architectural needs and the requested shadow ratio.

Special glasses can be applied on panels; anti mist arrangements can be also provided to avoid condensation during day-night temperature or humidity changes.

The application on Sky-Dome™ of a unique system of "active seals", originally developed for Navy ships, eliminates the risk of water leakage in case of heavy rain.

Sky-Dome™ operation can be driven with hydraulic or electrical system or combination of both.

Up to today, our Sky-domes™ have reached clear openings of 28m.





WINDOWS WASHING SYSTEM



Navalimpianti cleaning systems are based on our experience in fabrication of equipment having a long standing time in marine environment directly exposed to weather deck and unsheltered areas.



The combination of materials utilized assures a trouble free operation and a minimal maintenance.

The carriage is a welded construction with safety rails and anti-slip floor in order to guarantee operators protection.

The normal parking is foreseen in suitable position and, for Panama passage, the complete unit may be easily removed.

Windows washing machines are operated by electrical systems.



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