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NAVIM YACHT LAB, DESIGNING BEAUTY.

Navim Group is leader,
at international level,
in the design and supply
of marine equipment
for passengers
and merchant ships,
navy, offshore
and mega yachts.

The Group has nowadays
12 branches in **8 Countries**
and has been working
worldwide with
the best shipyards
in its over **40 years**
of history and growth
for the top Ship Owners.

The successful results
of its expertise and commitment
are **20.000** Marine Systems
Delivered all over the world

- On **150** Cruise Ships
- **200** Ferries & Roro Ships
- **25** Offshore Ships
- **50** Military Ships
- **270** Cargo Units
- **15** Mega Yachts

Countless Special Projects Tailored
on Owners' Requests.



Since 1990, Navim Group has designed and manufactured marine equipments for luxury Mega Yachts and Giga Yachts.

The Group co-ordinates projects using the most advanced technologies in order to obtain optimal solutions to satisfy Shipyards' specific requirements.

Our equipment features a particular care for finishing and may be fully integrated in ships' design using 3D simulation. Mechanical accessories are always out of view.

Navim Group with its specialized teams, provides “turn-key” supply, commissioning, after-sale services' inspections.

Navim Group offers a full Customer Support including:

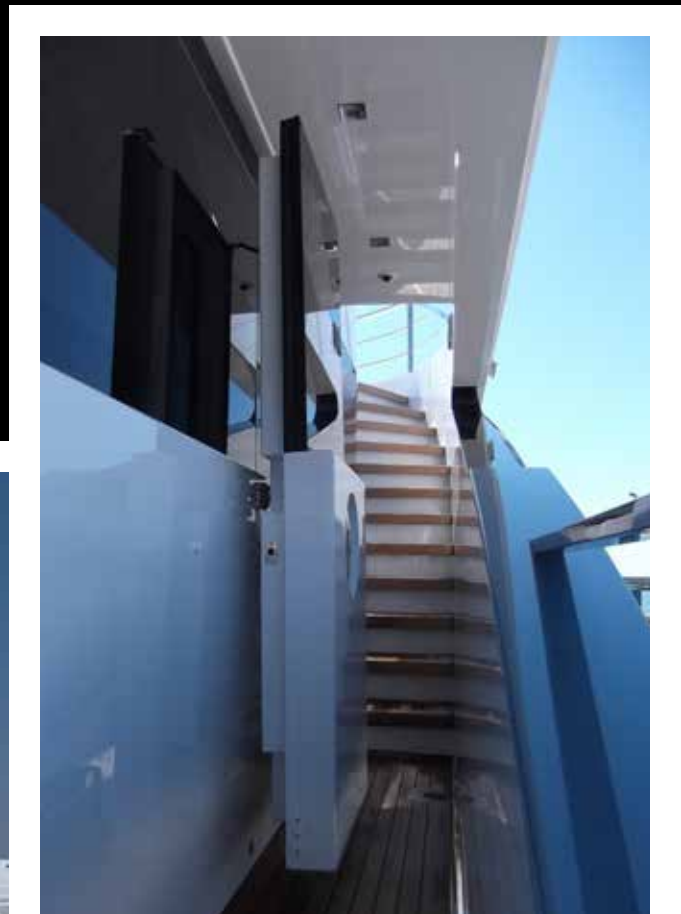
- **Feasibility studies**
- **Classification Societies Approval**
- **Logistic and prefabrication problems solving**
- **Installation**
- **Turn Key supply**
- **Yard survey during erection works**
- **Commissioning**
- **After sale assistance and spare parts service**



YACHT PRODUCTS

For the Yacht industry, Navim Group
can provide:

- **Marina and transom platforms**
- **Movable bulwarks**
- **Doors**
- **Jet Ski handling system**
- **Hatches and various equipment**
- **Davits, Life boat cranes
and lifting platforms**
- **Accommodation ladders and movable/
retractable ramps**



Navim Group Marinas
and transom platforms,
fully customized on the base
of the yacht design, are the smart
solutions for safely enjoying
swimming, diving and fishing.

The design concept is based on:

- **external surfaces flush with surrounding shell and flat interior surfaces**
- **hinged flaps flush with the deck**
- **perimeter and bottom lighting system for night use**
- **platform and flaps ready for wood finishing**
- **mechanical accessories out of view**

MOVABLE BULVARIS

Navim Group movable bulwarks' original design has the following points of strength:

- **External surfaces flush with vessel lines**
- **Interior surfaces finished according to Owner's specification**
- **Top structure suitable for the application of handrails in teak**
- **Mechanical accessories out of view**

The rotation of bulwarks is realized by actuators and sliding by cylinders.

The operation is assured by an electro-hydraulic system, including hydraulic accessories, control stands and power packs.

Bulwarks are equipped by limit switches and proxy sensor; watertight control panels are foreseen for safe manoeuvres.



DOORS

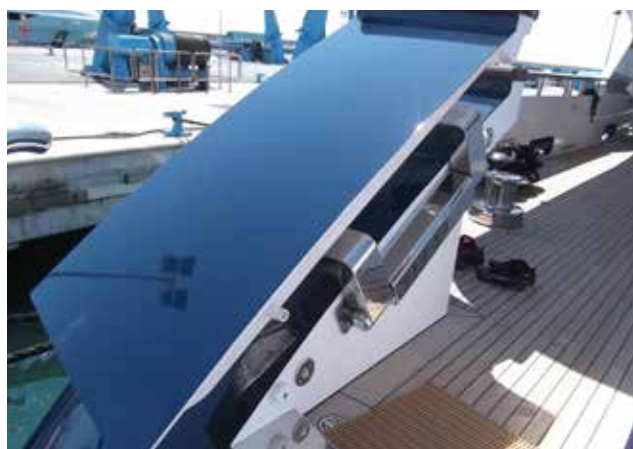
Navim Group shell doors are designed and manufactured for various purposes, from the access to the car's garage to the loading and offloading of passengers and crew. Doors may include the integral supporting frame for a simple "weld in" installation: in this case the supporting frame is tailored to the local aesthetic and strength requirements.

Operation is assured by an electro-hydraulic control system, including automation cabinets, hydraulic accessories, control stands and power packs.

Our systems are the result of an intensive study of materials, components and design to satisfy both the aesthetic and practical necessities: **easy to assemble, practical to be used, resistant and durable.**

The doors and hatches, in various versions, hinges handled, pantograph or sliding type, manual or automated, are designed to solve the onboard problems, together with the shipyards technicians during the hand over of the boat to the shipowners who wish to employ systems that reflect the characteristics of image, lightness, strength and low maintenance.

We believe it is very important to give the possibility to the yard to grout directly the surfaces when the hull arrives already complete in the fitting department, without



DOORS

being bound by welding, straightening, deliveries and other related activities and not having to deal with managing jobs and additional costs.

For these reasons, the main feature of our products is the versatility of the application, they can be applied when the boat is finished, when the painting is completed; our doors are suitable for application on boat sides of any thickness,

therefore there is no need to manage the activities in relation to the positioning.

The external appearance of the door, after installation on board is characterized only by the view of a perimeter gap.

We can handle special cases of coating,

such as glass, marble or other materials.

The door hinges (spider and pantograph) innovative both from the point of view of image geometries of the components and from a technical point of view greatly improve the rotation avoiding interferences with the grouted surfaces.

On the doors and hatches, we have developed a user-friendly and intuitive system, which allows the application and adjustment always ensuring alignment with the grouted surface.

The reliability and durability of the components is guaranteed by laboratory tests. On request it is possible to insert electronic locking systems such as key-pads, customize handles with logo and more.



BALCONIES

Navim Group balconies are the ideal solution to open up the interior of cabins to the outdoor panorama, creating an exclusive access to the sea.

Balcony design combines technology and easy operation with elegance and luxury details.

The external surfaces are flushed with the surrounding shell, the interior can be finished in wood or other materials hiding all mechanical accessories out of view.

The balcony operation is assured by an electro-hydraulic control system, including automation cabinet, hydraulic accessory, control stand and power pack available also in “ultra silent” version. Integrated automation, signal and alarm system for the wheelhouse can be included. Automation may be completed with wireless control and/or vocal warning and alarm messages.



Tender and ski-jets cranes, designed and manufactured to allow launch and recovery of jets and tenders, consist of a telescopic hoisting arm system for the installation inside garage areas.

Cranes may be supplied ready for the installation on board.

The operation is assured by an electro-hydraulic control system, including automation cabinet, hydraulic accessories, control stand and power pack. Integrated automation, signal and alarm system for the wheelhouse can be included and completed by wireless control.

The original design includes the following key points:

- **when closed, doors and platforms follow the hull's shape**
- **external/internal finishing, pins and operating arms are designed with particular care to the look**

Machinery and mechanical devices are hidden and special cranes can be integrated for the handling of different loads and vehicles.

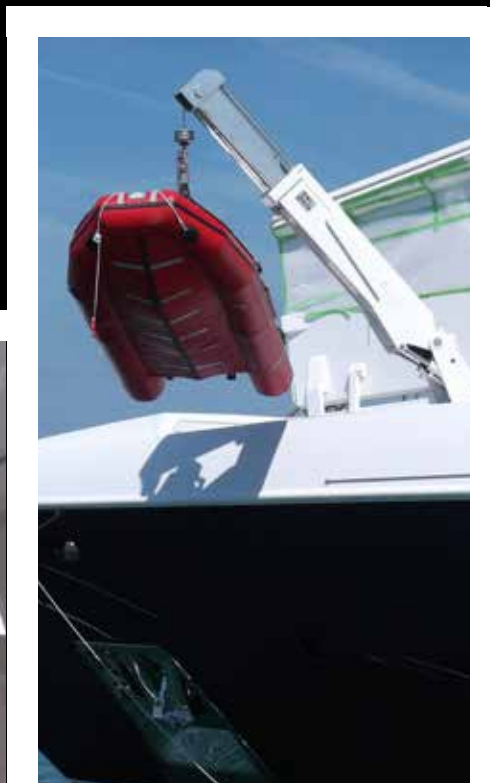
Electro-hydraulic systems may be supplied either built-in in the frame or separate for each unit.



DAVITS AND BOATS CRANES

Navim Group is a worldwide leader in lifesaving equipment. The product line for MY includes telescopic and semi-gravity davits, rescue boat and life-raft davits.

Common characteristics of our cranes are: full compliance with current and applicable rules, structures and accessories designed for problem free operational life and tailored to owners' and operators' requirements, integrated hydraulic and automation system for easier and safer operations.



**The Group's Yacht Division
is Tecnimpianti Livorno which
has been recently inaugurated
and is the newest branch
in the group being established
to design the new mega/giga
yacht projects and to follow
thoroughly this luxury segment.**

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