



SECTOR
**NAVAL AND
MARITIME**



GORIZIANE

**ENGINEERING &
CONSTRUCTION**

Since 1948, a family company

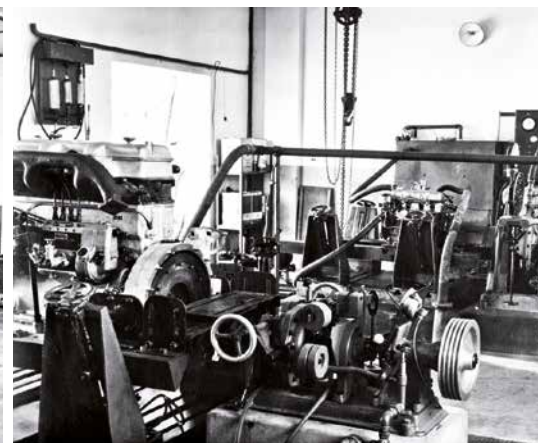


MESSAGE FROM THE PRESIDENT

As Pope Francis says: “we are not living in an era of change, but a **change of eras**”. The world continues to accelerate constantly, the current speed is incredible and continues to grow. All the consequent changes around us (whether they are social, political, technological, scientific, economic, etc.) require each of us a deeper and more accurate introspection in order to maintain, in this change of Era, a deep reflection with the most authentic part of ourselves: **only in this way we will be able to give the best of ourselves to us and to the people around us** (family, work, friends, groups, etc.). Only in this way, if our goal is to leave a positive imprint on our life, we will be able to think of succeeding. Even in this period of pandemic!

As a second generation entrepreneur of the company founded by my parents over 70 years ago, I therefore tried to build together with my siblings, and with the Family that GORIZIANE with its collaborators has established, an efficient team with the desire to leave a positive imprint, synergistic in working **together** to give a certain future to the Company and the aforementioned Family by placing ourselves in the market with proven Competence, Quality, Reliability, Efficiency and Effectiveness, building with the Customer that win-win relationship of Collaboration and mutual esteem to be able to face and win with mutual satisfaction the challenging adventures that the market itself places on us every day.

Pierluigi Zanin
President & CEO
Goriziane E&C S.p.A.



Goriziane is a family business which was established by Mr. Antonio Zanin and Mrs. Maria Zanin in 1948, and now being managed by their descendants, it is a world leader in the Maintenance, Repair, and Overhaul (MRO) of wheeled and tracked military vehicles. In the '80s, thanks to the experience gained in the defence sector, the company has also started providing maintenance and overhaul services for equipment used in pipeline construction. By the early '90s, the company has delivered its first equipment for the Oil & Gas industry and started supplying a wide range of pipeline equipment and plants. Since then, Goriziane's technological expertise has grown through the years and it is applied to a wide range of sectors, i.e., Defence, Railways, Industrial, Oil&Gas, Naval&Maritime, and Offshore Wind Farm. Goriziane E&C S.p.A. has become one of the most important suppliers in the world of pipelines, naval and maritime equipment.

GORIZIANE E&C S.P.A. IS A RELIABLE PARTNER IN SUPPLYING HIGH-QUALITY PIPELINE EQUIPMENT AND PLANTS FOR ONSHORE AND OFFSHORE ENVIRONMENT, **COMPLEX TURNKEY SOLUTIONS FOR NAVAL AND MARITIME**, WIND-FARM SPECIAL EQUIPMENT & INNOVATIVE AUTOMATED FABRICATION CONCEPTS, INTEGRATED HANDLING PLANTS FOR INDUSTRIAL FACTORIES.



GORIZIANE
HOLDING



GORIZIANE
ENGINEERING &
CONSTRUCTION



GORIZIANE
Innovating Together

Goriziane is able to provide customers with turnkey solutions by taking care of every phase of the project, from planning and feasibility study, through development up to installation and commissioning of equipment worldwide, with relevant after-sales services and logistics support. Goriziane designs and builds maritime equipment as regards the handling, lifting, and custom-built doors and hatches by developing the engineering systems which guarantee a fully integration with the vessel.

Our team is composed of professional and highly-skilled engineers who are able to face the most competitive challenges on the current market. A team which mainly deals with designing, constructing, and commissioning of marine equipment as well as fulfilling the milestones of the projects.

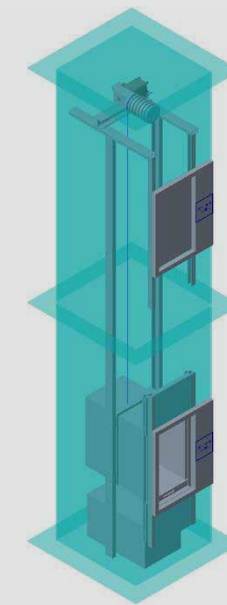
VISION

To provide our developing world the innovative solutions it deserves and to supply world-class equipment, plants, and services aiming Customer satisfaction.

MISSION

Goriziane designs and transforms moving systems with an innovative approach, relying on advanced engineering, and strong attitude towards problem solving. Our expertise in technology can be applied to a broad spectrum of market sectors. We aim at bringing innovation to the market prioritizing Customers' needs. Innovation is the core of what we do.

RESEARCH & DEVELOPMENT



Goriziane constantly invests in Research & Development aiming at satisfying Customers needs with innovative products. Research is the core of Goriziane, as it creates the fundamental basis for the supply of high-tech and new-generation products and services.

The results of researches, tests, and inspections are proof that the carefully and accurately designed equipment is made to be long-lasting, reliable, and efficient.

The main goal of our R&D is to provide full automation of equipment and plants to increase safety, reduce time, and manpower without affecting the quality of the products.

One of the innovative technology of Goriziane E&C is the G-ARTS (Goriziane's Augmented Reality Tool for Service). It is an IoT equipment of Goriziane which increases productivity and easily connects our valued Customers to Goriziane's team on providing the same high-quality service through Augmented Reality (AR).

Goriziane adapted a new system consists of a helmet kit and tablet which aim to improve the onsite activities, after-sales services, optimizing time and costs, and to ensure continuity of business even on unforeseen circumstances.



DOORS & HATCHES

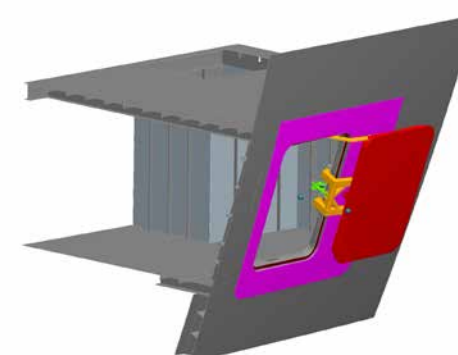


Since late '90s, Goriziane has been supplying Doors and Hatches in Naval sector such as follows:

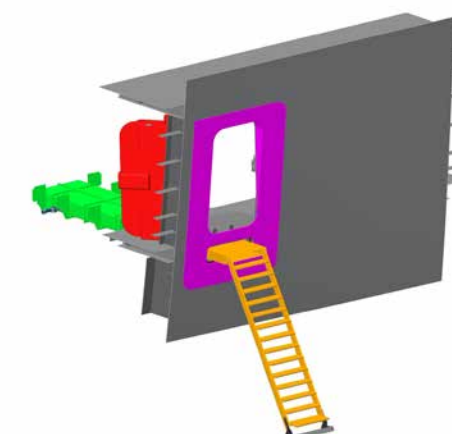
Stern doors, Shell doors, Side doors, and Sliding doors which designed and certified according to the international rules and regulations (RINA, DNV, Lloyd's Register, Bureau Veritas, etc.). These type of doors could be made up of carbon steel, to guarantee a better tensile strength, or light alloy and composite material to ensure weight reduction and reduce maintenance cost.



GARBAGE SHELL DOOR

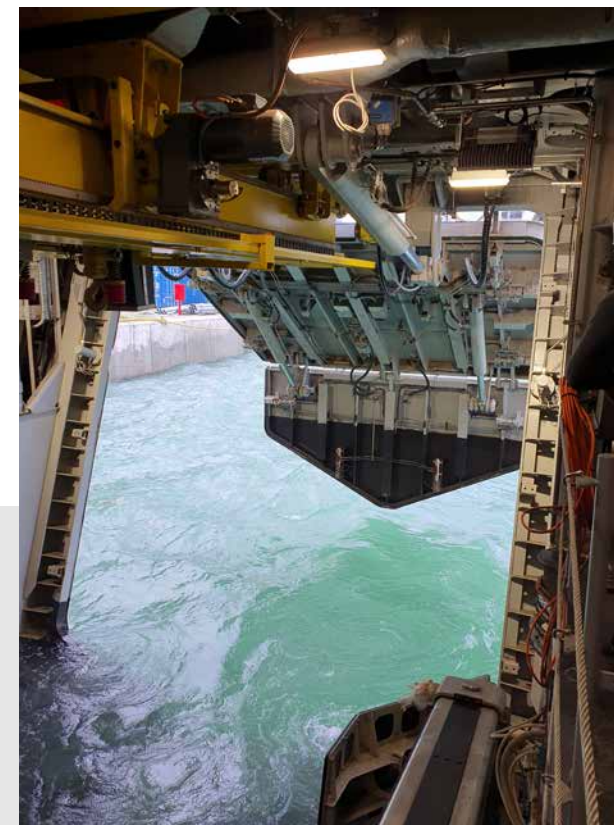


PILOT SHELL DOOR



SIDE DOORS

Goriziane provides custom-built side doors, it may vary according to customer's requirements, with hydraulic and/ or electrical opening and closing. The most common ones are for cargoes, passengers, pilot entry, and many other scopes. The opening mechanism can be either sliding, top-hinged or side-hinged once open, the doors can be locked in position. This type of doors could be locked and unlocked from the bridge or an alternative central location.



STERN DOORS

Goriziane's stern doors are made up of carbon steel and usually provided with its own frame/ coaming as a plug and play system ready to be welded to the hull. Such arrangements reduce costs as well as time and easily guarantee the weathertightness and/or watertightness when required.

HATCHES

Goriziane provides custom-built hatches, it may vary according to customer's requirements, with hydraulic and/ or electrical opening and closing.



HANDLING EQUIPMENT

SIDE-LOADING SYSTEM

One of the handling equipment of Goriziane is the Side-loading system which consists of elevators and a side door which is commonly used on coastal vessels.

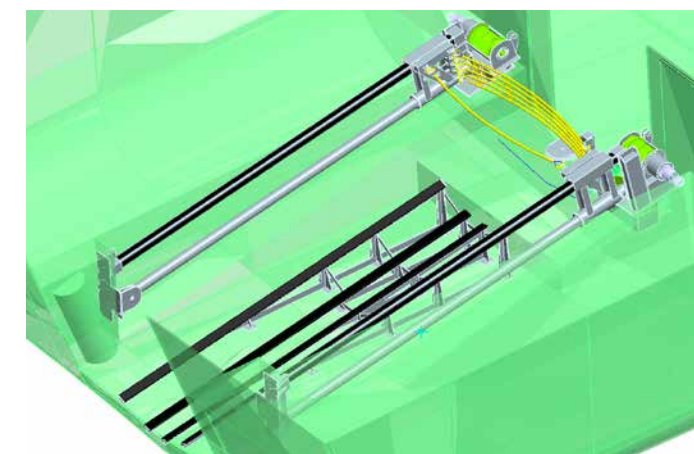
Examples of Goriziane's Handling equipment:

- Custom-built Cargo Handling System,
- Launch and Recovery System (LARS)
- Side-loading System and others

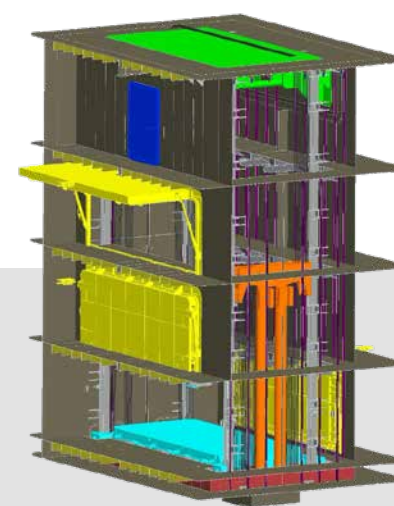
which are mainly used for loading/discharging operations. It may vary according to the type of cargoes needed on the vessel.

LAUNCH AND RECOVERY SYSTEM (LARS)

Goriziane also designs and manufactures Launch and Recovery Systems (LARS), which are usually carried out for launching and recovering activities and ensure safety and efficiency on offshore operations.



ELEVATORS

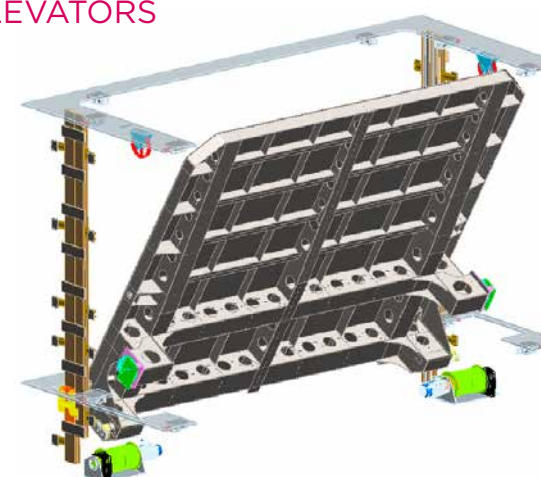


FROM CONCEPT TO REALIZATION

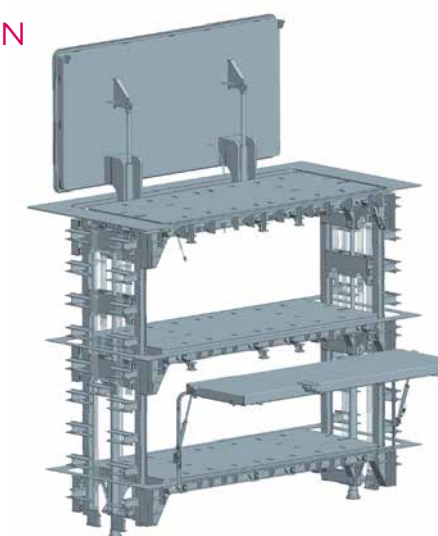
In addition to handling equipment, doors and hatches, Goriziane also designs and manufactures ammunition, vehicle, cargo, and small freight (a.k.a. dumbwaiter) elevators which are mounted on the vessels.



AIRCRAFT ELEVATORS



AMMUNITION ELEVATORS





MAINTENANCE, REPAIR, AND OVERHAUL

Goriziane E&C does not exclusively mean engineering and construction. This company is indeed linked to its sister company, Goriziane Group which focuses on Maintenance, Overhaul and Repair.

Goriziane carries out Maintenance, Repair, Overhaul and upgrade of equipment and plants of the Oil and Gas, Naval, and Offshore Wind sectors either at customer's site or in-house. Technical assistance is provided in the shortest time to restore machines and/or plants, avoiding prolonged downtime.

GSE MANUTENZIONI

GSE Manutenzioni is part of Goriziane. Thanks to its more than 20 years of activity, GSE is specialized in technical maintenance on board of vessels and offshore platforms. In addition, it is able to repair a wide range of products which includes draw-works, pumps, winches, cranes, compressors, and generating sets. It is also able to operate in other Sectors such as Naval and Industrial.

COMPANY CERTIFICATIONS AND MEMBERSHIP

Goriziane takes care of its Customers even after material shipment, providing them with constant and valuable after-sales support. All activities are carried out with special attention to quality as well as to health, safety, and environment protection. Goriziane is certified by RINA with the internationally recognized ISO 9001, ISO 29001, ISO 14001 and ISO 45001 standards and in compliance with AQAP.

"Customer's satisfaction first". Goriziane first of all aims at Customer's satisfaction, which is gained by building long-lasting relationships with its Customers. With the new company structure, Goriziane offers world-class products and services worldwide.

Goriziane E&C S.p.A. has been a proud member of International Pipeline and Offshore Contractors Association (IPLOCA) since '90s.



Moreover, Goriziane has also been a proud member of the Italian association Assorisorse - Natural Resources and Sustainable Energy for more than 20 years.

CASE HISTORY

Goriziane designs and builds naval and maritime equipment and components as regards the handling, lifting and all kinds of maritime doors, by developing the engineering systems which guarantee a fully integration with the vessel and according to international standards. Here are some of the important projects handled by Goriziane E&C S.p.A.



Ship PPA1 Hull 6161
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2018



Ship LHD Hull 6260
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Aft/ Fore Ammunition Elevator
» Flight deck Hatch
» Vertical Doors
» Side-Shell Pilot doors
» Side-Shell Garbage doors
Year 2019

Ship PPA2 Hull 6162
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2018

Ship PPA3 Hull 6163
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2019

Ship PPA4 Hull 6164
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2020



Ship Cala Palma Hull 6027
Builder / Shipyard Fincantieri
Ship Owner Orsero
Product supplied
» Side Loading System
Year 1999

Ship PPA5 Hull 6165
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2021

Ship PPA6 Hull 6166
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2022

Ship PPA7 Hull 6167
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Astern Door
» Side Shell Door
» Flight Deck Hatch
Year 2023

Ship Cala Pedra Hull 6028
Builder / Shipyard Fincantieri
Ship Owner Orsero
Product supplied
» Side Loading System
Year 2000

Ship Cala Palma Hull 6029
Builder / Shipyard Fincantieri
Ship Owner Orsero
Product supplied
» Side Loading System
Year 2001

Ship Cala Pedra Hull 6030
Builder / Shipyard Fincantieri
Ship Owner Orsero
Product supplied
» Side Loading System
Year 2002



Ship LSS Hull 6259
Builder / Shipyard Fincantieri
Ship Owner Italian Navy
Product supplied
» Ammunition Elevator
» Flight Deck Hatch
» Vertical Door
Year 2018



Ship AOR-HD
Product supplied
» Hatch for Cargo
» Lifts
Year 2018



Ship Castoro 12
Product supplied
» Firing Line
Year 2004



Ship Microperi 30
Product supplied
» Pipe Handling Equipment
Year 2006



Ship Hai Yang Shi You 201
Product supplied
» Double joint
» Pipe Handling System
Year 2008



Ship Castorone
Product supplied
» Firing Line System
Year 2010



Ship Pioneering Spirit
Product supplied
» Firing Line Trucks Conveiors
Year 2011



Ship Castorone
Product supplied
» Telescopic Linkage
Year 2011



Ship Borealis
Product supplied
» Portable Double Joint
Year 2012



Ship SEMAC1
Product supplied
» Firing Line
» Stringer Rollers
Year 2013



Ship DE HE 5000T
Product supplied
» Pipe Handling System
» Firing Line
Year 2014



Ship Israfil Huseynov
Product supplied
» Stinger Rollers
» Firing Line
Year 2015



Ship SAIPEM 7000
Product supplied
» Beveling Station
» FJC
Year 2015



Ship DE HE 5000T
Product supplied
» Stinger
» Stinger Handling Systeme
Year 2016



Ship Amazon Pipe Layer
Product supplied
» Hydraulic Hatches
Year 2019



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**ENGINEERING &
CONSTRUCTION**

INNOVATING TOGETHER

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