

The year 2005 has been another one of growth for the pleasure-craft industry and Ingemar has recorded a general increase in its activity both in Italy and abroad. The substantial investments made in 2004 have certainly favoured this positive trend. The production capacity of the new factory at Casale sul Sile (Treviso) and the recent acquisition of a large area fitted out for the building of floating breakwaters, have determined an increase in production and accelerated delivery times whilst the expansion of the technical office and site-assistance in the shipbuilding industry has ensured the necessary resources to tackle ever more complex and

demanding projects and installations. The same commitment in rationalising growth of activity, ever more concentrated on satisfying our clients' requirements, has recently led to the separation of Ingemar's purely commercial side from the engineering and production activities. This has brought about the creation of **Ingemar Trading & Service**, a more agile and incisive sister company but maintaining the same shareholders and managers. The growing interest in floating breakwaters and the ever more demanding fields of application, have necessitated new studies and laboratory testing to improve performance

and reliability of the breakwaters and anchorage systems to the sea floor. The tank trials were carried out by the I.M.A.G.E. Institute of Padua University. The exceptional experience acquired in the sector of special structures has led to the production of dependable solutions to the new and growing request for floating piers and moorings for mega yachts. Particularly exacting has been the participation by Ingemar in important aquatic events. The most significant of all being the creation of the floating pier for mega yachts at the new Marina Fiera di Genova for the 45th Genoa Boat Show with Ingemar as the technical sponsor.

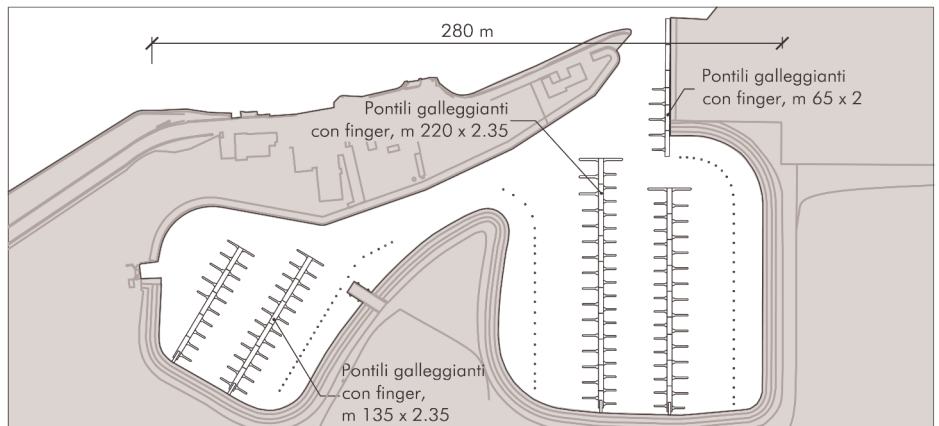


QUARTO D'ALTINO (VE)

A new residential complex with marina in the Venetian Lagoon

In May 2005 the Marina of Portegrandi, on the Venetian Lagoon and within the historical Archaeological and Nature Park of the Altinate Area, was inaugurated. The marina comprises two basins of 35.000 sq metres, furnished with floating pontoons and fingers and capable of taking up to 300 boats of between 8-18 metres in length. Because of the modest work load (the bays are extremely well protected) the pontoons chosen were of the series FE/ST, of medium displacement and 2.35 metres in width. The elevated tidal variations meant anchorage systems with fixed pilings to the sea floor and sliding devices for the pontoons in the inner basins; the stretch near the access canal is fixed to the docks by vertical iron girders. Ingemar's task included the supply and installation of pontoons and anchorage systems as well as the final project to supply the service installations.

The land structures are currently being constructed and include covered and uncovered depots, a club house, restaurant and supermarket. A residential complex with 90 apartments and a 4 star hotel with 109 rooms is also being completed. The Marina is an innovative solution to re-launch a fascinating area within the Lagoon and close to the town of Quarto d'Altino, offering residential, receptive and productive functions for the boating and marine sector.



PESCARA

New pontoons and an "Olympic" floating slide

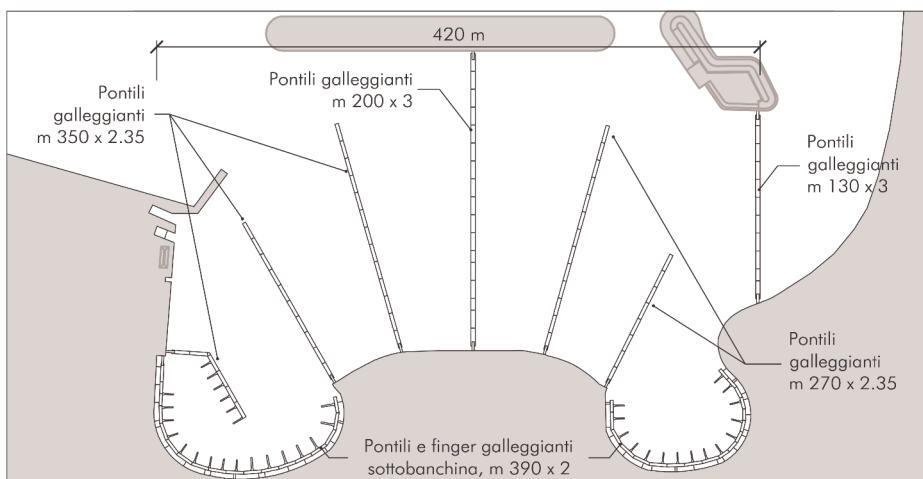
Nearly ten years after the first installations, Ingemar has reinforced its presence with further turn-key operations: five new floating piers, for an overall length of 240 metres completed by anchorages with piles, moorings with chains and ropes and electricity, water and firefighting equipment. Receptive capacity of the marina will increase by more than 80 new berths for boats of up to 25 metres. Because of the great size of the boats and the rigorous usage requirements, the pontoons are of the King Size series, with widths of 3 metres and with extremely robust, free-board, capacity and stability performances. Lastly, as is already well known, the city of Pescara has been chosen as the site for the 2009 Mediterranean Games. In order to fulfil the services for its members, as well as making the port structures more usable for the games themselves, the Marina of Pescara has therefore decided to augment its structures with a new floating slipway similar to the one installed by Ingemar for the sailing competitions at the 2004 Athens Olympic Games.



CITTANOVA (CROAZIA)

1,700 metres of pontoons for the new Novigrad Marina

The Istrian coastline is rich in culture and history as well as environmental resources and constitutes a natural destination for both Italian and central European pleasure craft. These development opportunities have attracted both private and public investment and in just a few years have meant the construction of new tourist berths. Combined with the Dalmatian and Italian harbours this has created a unique and efficient network of ports in the upper Adriatic. The new marina "Nautica Novigrad", close to the centre of this lively tourist town, is destined to become an important stronghold within the network: 365 berths for boats of between 12 and 40 metres in length and surrounded by an amazing historic and natural landscape. After a careful and attentive examination of the most important international companies, Marina Civitas Nova chose Ingemar as the most reliable operator to prepare the project of the port's lay-out and services. Following this Ingemar was commissioned to supply and install the floating structures and finalise the project of all the essential services. This has been a complex task of great proportions: the two bays are surrounded by floating docks from which extend a series of pontoons in a radial formation, with widths of up to 3 metres, moored to the sea-bed with 3.300 metres of chains and 1.800 tons of concrete for the deadweights. The marina has a surface area at sea of 110.000 sq. metres; the services on land include a 5 star hotel with conference centre, covered swimming pool and all the necessary facilities to satisfy the requirements of the most exclusive clients.



MARSALA (TP)

An élite landing-place for spectators of the Luis Vuitton Cup

For the occasion of Acts 8 and 9 of the Luis Vuitton cup, the preparatory regattas for the Americas Cup to be held in the waters off Trapani between the end of September and October, Sikamares asked Ingemar to prepare a landing place for the most beautiful boats which follow the regatta. The enormous interest in watching the races live, combined with the feverish activity in the port of Trapani, made the organisers, Sikamares, look for a quieter and more private arrangement for their exclusive clientèle in the nearby port of Marsala just a few miles away. In record time Ingemar supplied 250 metres of pontoons for approximately 70 large yachts up to 30 metres in length. The elements, of the series FE/ST with reinforced structures and a greater reserve thrust than normal, are completed with Eromar services bollards in stainless steel.



LAGO DI GARDA

A modern marina for Nautica Casarola

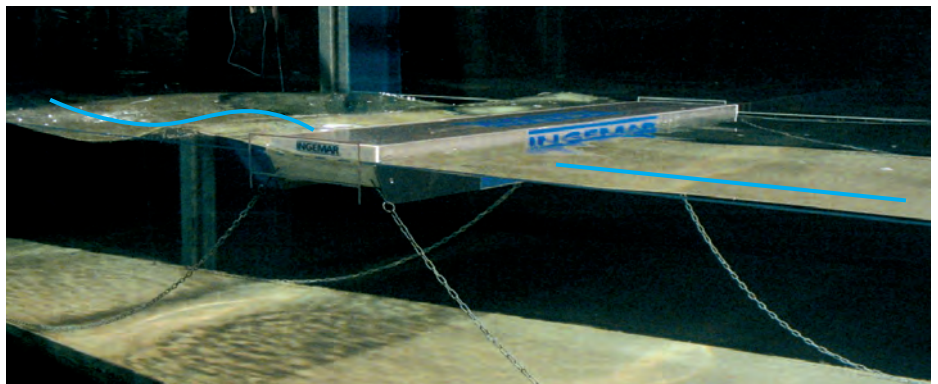
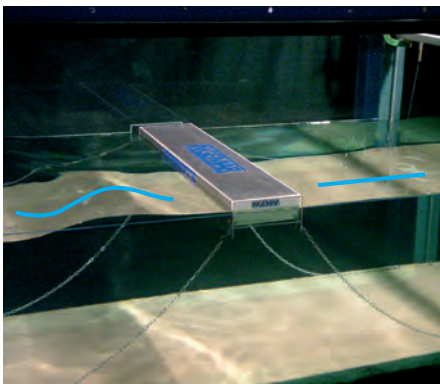
The pleasure craft tourist industry is also in expansion on the Italian lakes and Nautica Casarola, the well known operator in the motor boat sector and currently a dealer and agent for the most exclusive yacht builders, has taken the step of meeting the demands for new moorings in order to satisfy both old and new clients. At the new tourist port of Pacengo di Lazise, which is well protected by a fixed breakwater, there is space for about 200 boats up to 20 mts in length. On shore a structure of 10,000 sq metres, 4,000 of which are covered, is destined as a depot and for mechanical servicing. Ingemar was invited to supply the floating pontoons for an overall length of 200 metres of the FE/ST type. This, of course, was very satisfactory for Ingemar to know that such highly qualified investors entrusted the company to participate in such a prestigious project.



LA SPEZIA

Floating breakwaters for SLYS of the Ferretti Group

The Ferretti Group have established at La Spezia a new marine centre of particular strategic and industrial importance: SLYS (Spezia Luxury Yacht Service), a boat-building centre for the Riva brand for boats up to 21 metres, as well as a significant reference point on the Tyrrhenian sea for all the Ferretti Group boats. Wave conditions in the bay meant that a protective structure had to be built for the basin where the boats are moored during the final finishing process: Ingemar's floating breakwaters were the solution to the problem. The Gulf of La Spezia is ideal for these floating breakwaters: it is protected from high seas by offshore sea walls but is subject to short and steep waves generated by the strong north and south winds. Ingemar's module system, meaning that progressive and successive changes may be made, combined with an exceptionally modest environmental impact, was the ideal solution instead of a traditional fixed alternative. Elements of the F/CA type, in reinforced concrete with a core of expanded polystyrene, were used with dimensions of 20x4x2 metres and 65 tons displacement: they are equipped for mooring large yachts up to 30 metres long. Anchorage is by a system of chains which ensures that all the action caused by winds and rough seas is transmitted to the deadweights on the sea floor.



SPALATO (CROAZIA)

Marina Kastela: a port in the lower Adriatic

The new Marina Kastela, with its 350 berths, represents one of the most important structures for pleasure craft in the south of Croatia, situated between the famous archipelago of the Incononate Islands and the green islands bordering Montenegro. Not far away is the city of Split, rich in history and architecture as well as vitality; tourism constitutes another attraction for the new marina where, only a few months after its inauguration, all available berths were practically full. It is a newly built tourist port in the bay of Kastela, well protected by traditional defensive structures and fully equipped with all service facilities. For Ingemar it represents both prestige and immense satisfaction from a technical point of view: the 700 metres of floating pontoons installed in the port overcame a rigorous test in August of this year during a storm when the Bora blew gusts of wind up to 80 knots over many hours.



GENOVA

A floating pier for mega yachts at the Genoa Boat Show

A huge success for Ingemar was winning the international competition to supply the mooring structures for large yachts at the 45th Genoa Boat Show and becoming the technical sponsor for the exhibition.

The experience acquired in building similar structures was the determining factor and meant a fast and precise solution to the various technical and installation problems posed by the complexity and the site within the port which is not yet completely sheltered.

After only three months from confirmation of the order, the new "Floating Jetty for Large Yachts" was installed in the new marina at the Genoa Fair. Built to receive the most beautiful boats at the show, of between 30 and 40 metres, the jetty is 170 metres long and 6 metres wide. For greater practicality it was built using two modular elements side by side which, once they are uncoupled, will constitute the future floating pontoons of the marina.

The load-bearing structure, in galvanised steel, is made to measure because of the particular projected loads as well as satisfying the necessities for the final layout.

The achievement is truly noteworthy: very high displacement (250.000 kgs), freeboard (85 cms), width (6 mts) for ease of passage and an overall capacity of up to 5.000 people.



VENEZIA

A new mooring structure for passenger ferries

The company which promotes tourism for cruise ships at the Port of Venice, Venezia Terminal Passeggeri, was extremely impressed by the performance of the floating jetty installed in 2004 using the floating modules of the Bridge of the Redeemer. Having completed the experimental phase, the company confirmed its faith in Ingemar with a commission to build a new clearing structure for tourists going to the city or the Lagoon. The new floating complex is bigger and well laid out, able to accept a greater number of boats with larger dimensions than the previous moorings on the temporary pier. In order to ensure the greatest level of efficiency and comfort the new piers have been designed ad hoc and are 4.63 metres wide, with a greater level of displacement thanks to the floating elements in reinforced concrete.

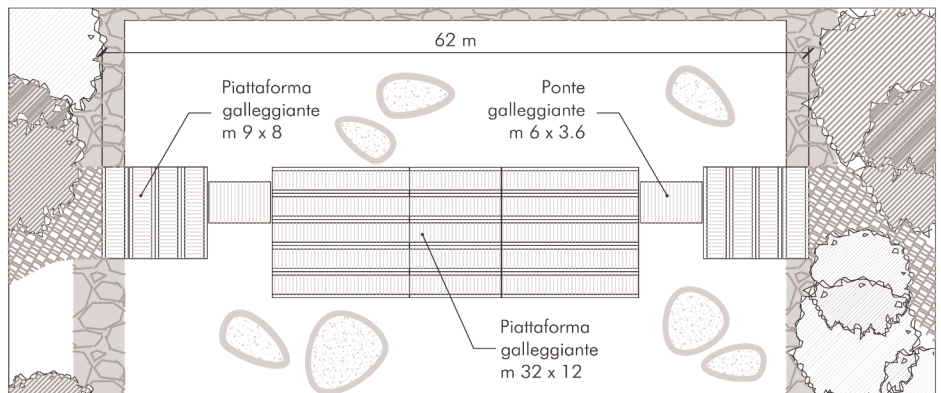


ROMA

The island of Venus is created in the lake at EUR

The new floating platform on the west shore of the lake at EUR has been called Cythera - the mythological name of Venus' island. It is part of a series of installations aimed at renewing one of the city's most important and beautiful spaces.

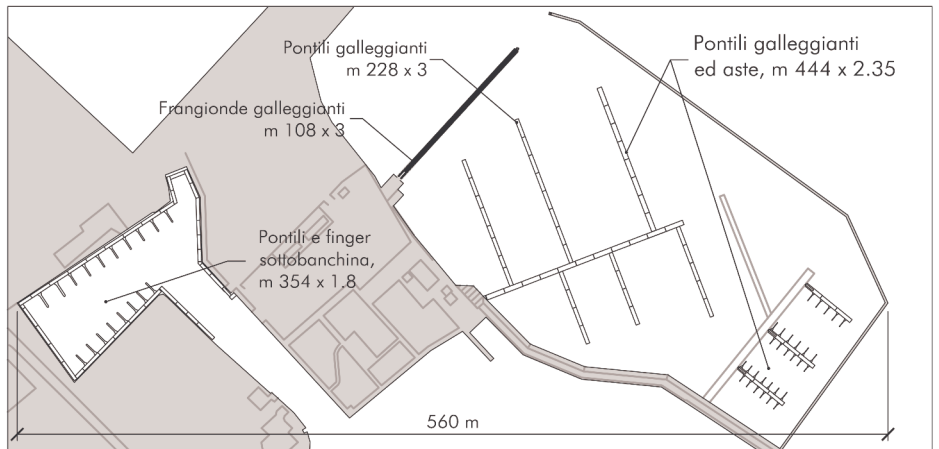
The floating structure (60 mts long x 12 mts wide) will make it possible to walk round the entire lake perimeter which up to now was impossible. With 600 sq mts of surface area for holding exhibitions or cafés with umbrellas and deck chairs, Cythera is also a decorative element within the park as the flooring is in wood with back-lit glass inserts and floating pools for 9 different species of water-lily. It has been a great pleasure for Ingemar to work with the designer, Prof. Franco Zagari, for the finalisation of the project regarding floating structures and of immense satisfaction to be commissioned by EUR S.p.A. for the turn-key operation. A perfect working harmony with the Delfini Group, who supplied all the furnishings, and much enthusiasm on the part of everyone involved led to completion in a very brief space of time. In less than two months after finalisation of the design the structure was ready for end-of-summer events. Pre-fabricated modules were used which, once in the water, were rigidly jointed to complete three platforms connected to each other with two floating bridges. The platforms, with an overall capacity of 1.850 people, are positioned in sequence between the extreme west shore of the lake, where they are restrained by fixed decking to the shore and semi-elastic devices. This has avoided the necessity of anchorages to the lake floor ensuring ease of removal of the structures in the event of future works on the basin.



CHIOGGIA (VE)

Floating breakwaters to protect the Sporting Club

The Sporting Club at Chioggia was formed in 1991 by a group of local businessmen who saw in its creation a new opportunity for investment and diversification within the real estate sector. Over the years the inner basin has been formed, an old "squero" (shipyard) has been transformed into a modern club house and a new marina facing onto the Lagoon has been created. The Sporting Club today can take 400 boats of up to 18 metres length and is an important destination for nautical tourism, particularly sail boats, in the upper Adriatic. The pontoons, varying from 1.8 to 3 metres wide, are anchored by fixed pilings and sliding devices. The mooring systems are varied: warning poles (particular to the Venetian Lagoon), fingers and mini fingers according to boat size. This year a new pier of floating breakwaters has been installed, of the F/CA type 108 metres long in modules of 12x3 metres and 28 tonnes of displacement, substituting the old wooden fixed protection. This has solved the problems caused by waves rebounding off the docks and from passing vessels. For Ingemar this has been further confirmation of the effectiveness of floating breakwaters in solving the specific problems in the Venetian Lagoon, characterised by agitated seas with high waves for a brief period caused by the local Bora wind. The modest height of the breakwaters over the water surface, constant at all tide levels, and minimal interference with the sea bed and the currents are all characteristics which are particularly appreciated in the Lagoon which is subject to the severest environmental restrictions.



CAGLIARI

Floating dock for mega-yachts for/by the Port Authorities

In the last few years the city of Cagliari has carried out important works to enhance its artistic and cultural resources to better effect and has attracted more marine tourism. The Port Authority has begun an important plan to re-convert certain areas in favour of attracting more pleasure craft. They engaged Ingemar to build a large floating pier along the seafront in the heart of the city. The task will be a turn-key operation and is destined to attract both shows and exhibitions as well as yachts up to 40 metres in length which frequently choose southern Sardinia as a summer cruise destination. The intense efforts of the project - involving large boats and choppy seas - have meant that the structures must be generously proportioned and take into account restrictions on land as well as providing the correct anchorage systems. The floating jetties of the King Size type and 3 metres in width, have been completed with bollards for essential services, access gangways of 12 metres in length, parapets on the shore side and steel bollards with a drag of up to 30 t.



BARI

Floating jetties ad hoc for the Ranieri shipyard

Since 1951 the Ranieri shipyards have been the main reference point for mechanical assistance to large ships. Whilst extending and diversifying their activities the company also decided to direct their attention to the pleasure craft industry which is expanding along the coasts of Puglia. The company entrusted Ingemar to enlarge

the receptive capacity of the shipyard by building a series of floating jetties more than 4 metres wide and 20 metres long. Taking into account severe wave conditions in the port they were also designed to be integrated with a series of fixed structures, which constitutes the strong point of the installation.

The jetties, each with a displacement of 19.000 kgs, are equipped with Eromar service bollards in steel and furnished with galvanised steel bollards for mooring boats up to 25 metres long.



ISCHIA (NAPOLI)

Taylor made pontoons in San'Angelo



RAVENNA

The Ravenna Yacht Club came to an end: 280 mq of structures on water



LAGO MAGGIORE

Pontoons and fingers in Meina (Novara)



VIBO VALENTIA (REGGIO CALABRIA)

"Pontile Stella del Sud": up to 210 berths on new pontoons



IMPERIA

Ingemar technical sponsor of the 3rd vintage motoryacht meeting



VENEZIA

New continuous floatation pontoons for ACTV (Venice Public Transport Company): the substitution of fixed pontoons proceeds in the maintenance centre

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