

# 25

1979 / 2004

2004 is the 25th anniversary of Ingemar - 25 years of constant growth becoming one of the leaders in the field, competing in and winning important international commissions. Today Ingemar is the only Italian company having its own independent production facilities in this expanding market, whilst continuing essential research and development to meet the demands of the sector. The company has made investments in human resources and has the technical know-how to solve, not only standard production problems, but particularly those

posed by specialized structures which makes this such a demanding and prestigious sector. This has been a year of extensive work - particularly satisfying has been the construction of the floating structures in the racing arenas for the rowing and sailing competitions at the Athens 2004 Olympics - as well as other enterprises which have made Ingemar more structured, more efficient and more prominent in the market. The opening of the new factory, at Casale sul Sile in the province of Treviso, has been a huge commitment but has provided better operational facilities and higher qualitative

standards of production. The workforce has been enlarged to take on new technical designers as well as skilled workers for the production lines and external building sites. The achievement of the ISO 9001 certification for design, construction and installation, was approached with serious dedication and it complements the SOA marine works' sector certification for public works up to the value of Euro 5 million. On an international level the company has expanded its activity to new markets such as Turkey and Morocco, as well as consolidating its presence in Switzerland, Croatia, Tunisia, Greece, Malta and the Persian Gulf.



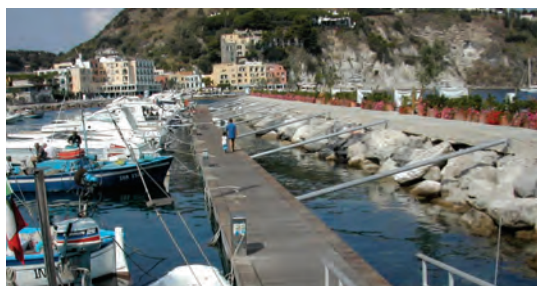


## LACCO AMENO (ISCHIA-NA)

### Transformation of the Ischian port into a modern marina

A swift but intricate operation to rationalise and increase the number of moorings within this small island port as well as creating new mooring structures outside the port for megayachts.

In May of this year the local administration assigned Ingemar the task of creating two floating pontoons, one to be parallel with the main jetty, to which it is anchored by means of a system of connecting rods and cables, the other in the centre of the port basin. Altogether there are 250 metres of floating structures all of which are furnished with stainless steel "Eromar" service bollards, and completed in record time along with the new structures for megayachts and the service centre. A success story for the port, completed in August, as well as an interesting work experience for Ingemar within a climate of cooperation and enthusiasm by all the participating companies.



## VENEZIA

### Floating breakwaters for the new C.C.M.V. dockyard

The wet dock of the Consorzio Cantieristica Minore Veneziana is a new complex utilised by local marine artisans and is situated on the laguna facing the Isola della Giudecca. The new basin is protected from the south-westerly winds and waves from passing vessels, by more than 200 mts. of Ingemar's floating breakwaters, in elements of 12x3x1.80 mts. The assignment was a novelty for the Venetian lagoon which, due to its' specific marine and environmental characteristics, constitutes an ideal location for floating structures as an alternative to the traditional fixed constructions. Another characteristic is the system of anchorage to the sea floor by pilings and sliding devices, which contribute to minimise interference with the delicate hydraulic system in the lagoon.



## BRISSAGO (SVIZZERA)

### A small luxury marina on Lake Maggiore

Ingemar's activity continues in the Canton Ticino at Brissago, on the Swiss shore of Lake Maggiore, where the new private port of Villa Bianca, serving the exclusive villas nearby, has been extremely successful.

The port is protected by a floating breakwater in reinforced concrete; inside the port Ingemar has installed floating pontoons, fingers and gangways, all custom built for the particular requirements of layout and function.

The structures are steel framed with concrete floaters and timber decks and are 2-3 mts. in width; the service bollards are from the "Eromar" series in stainless steel.





## TARANTO

### A multifunctional complex for the waterfront conversion

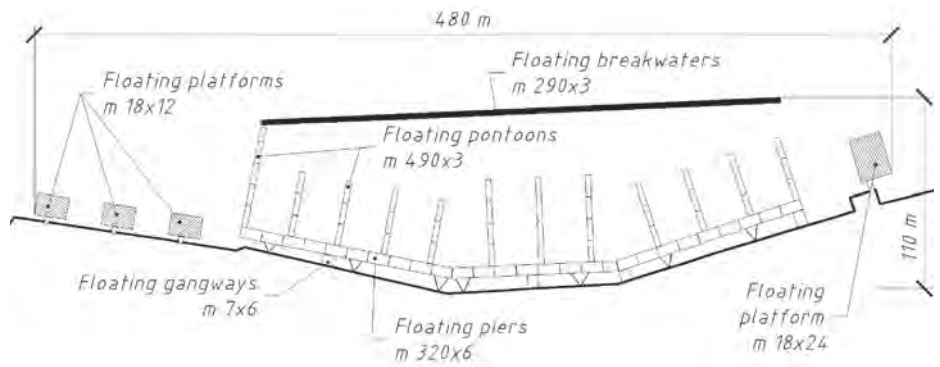
The waterfront of the old city which faces the Mar Piccolo is undergoing a transformation.

Ingemar has contributed to this intricate operation of renovation of the historic waterfront with the installation of different facilities for the mooring of pleasure craft, fishing vessels and recreation facilities. The multifunctional complex is protected by 290 mts. of floating reinforced concrete breakwaters in elements of 12x3x1.80 mts. Parallel to the wharf and close to the breakwater a floating walkway, 320 mts. long and 6 mts. wide, gives access to the mooring pontoons - 3 mts. wide and 490 mts. in length.

Close to the pontoons are four floating platforms, three are 215 sq.mts. and one 430 sq.mts.: the largest platform houses the servicing and warehouse facilities of the rowing club, whilst the other two act as rendezvous and bar facilities.

The overall surface area is 5,330 sq.mts. Ingemar also supplied the service bollards and the firefighting terminals, all in stainless steel from the "Eromar" range.

The particular requirements of the operation meant that the structures had to be custom built, all with differing functions, as well as the anchorages which have a system of connecting rods and cables for the floating jetty and chains and sinkers for the floating breakwaters, the mooring pontoons and service platforms.



## IMPERIA

### Ingemar - technical sponsor of the Historic Sailing Regatta

The 13th Historic Sailing Regatta of Imperia is an important international event attended by skippers and the press from around the world, both for the Regatta as well as for the very successful secondary events. This year the Regatta was attended by 110 boats, some of which were more than 100 years old, and the Italian State television (RAI) organised a gala evening in the tourist port. Ingemar's relations with Imperia Mare (the company running the marina) and the local Assonautica, have been strengthened over time: the expansion of the receptive capacities of Porto Maurizio e San Lazzaro, where 900 mts. of floating pontoons were installed, has further consolidated them. Ingemar was again present this year to contribute to the success of the initiative installing a series of floating pontoons equipped to receive the splendid participating yachts.





## BISCEGLIE (BA)

### Re-structuring and enlarging the berths in the new marina

The new marina at Bisceglie is part of an ambitious programme by the Region of Puglia to develop tourist ports: the main aim of the plan is to adapt and furnish numerous existing ports to attract more tourist pleasure craft.

The company which manages the marina, Bisceglie Approdi srl, has re-launched the port with its' new receptive capacities under their own management. All the 500 moorings are on Ingemar pontoons, with differing characteristics, and are anchored by chains and sinkers.

The operational success was demonstrated this summer by being completely sold out, producing a natural economic return for the town and which now has a new pleasure craft port to add to its' historical and cultural resources,



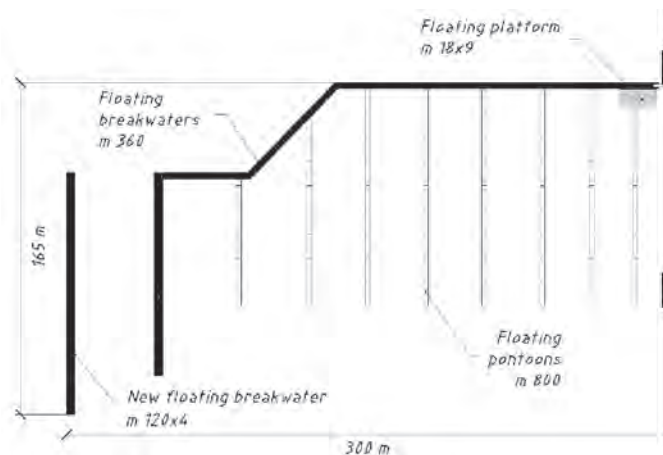
its' closeness to the city of Bari and the nearby Dalmatian Islands. This is a solid initiative by the Region of Puglia which, together with its' beautiful

coastline and strategic position on the Mediterranean, constitutes a destination of great interest for both Italian and international tourism.

## LA SPEZIA

### Assonautica: more moorings with new breakwaters

In 1997 the new tourist port for Assonautica, on the sea front at La Spezia, was finished: a floating port with 850 mts. of pontoons for 600 boat moorings and a service platform of 350 sq.mts. The whole basin is protected by 370 mts. of floating breakwaters in reinforced concrete which are more environmentally attractive than the traditional, voluminous fixed structures. The result is a well articulated and uniform complex - unique in Italy - and which has aroused much interest in Europe. Even after 7 years of wear and tear, including exceptionally stormy seas, the structures are still extremely sound. The continuous demand for moorings has convinced Assonautica to study the possibility of expanding the ports' receptive capacity. In 2004 a new 120 mt. long external floating breakwater finger was installed: comprising elements of 20x4x2 mts. and 75 tons of displacement this has created new berths on the outer landing-stage.





## BOSA (NU)

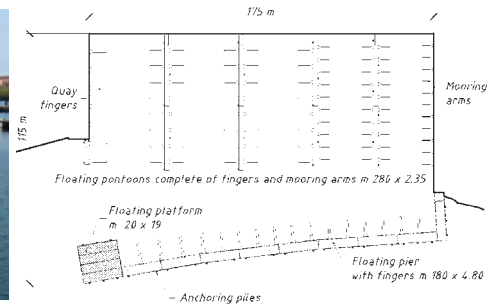
### Floating jetties for the Marina on the River Temo

Bosa is a pretty little town to the south of Alghero where its' important historical links are evidenced by villas in the baroque style and a lively cultural life. The river Temo flows through the town to the sea nearby. In 1998 Ingemar built the first of a series of landing stages, opposite the old tanneries in the town centre which had been restored and are now used for cultural and recreational activities. This year, with further financing from the Region of Sardinia, a much more important project has begun: the construction of a modern marina at the river bend near the town centre.

Entirely made up of floating structures, they comprise a jetty 180 mts. long and 5 mts. wide to protect the port, and will terminate with a platform of 380 sq.mts. for services and recreational activities. Within the basin a series of reinforced pontoons with a high freeboard of 280 mts. will be constructed. The marina will take 210 craft: all the berths, on pontoons and the docks, are furnished with fingers and mooring poles and are supplied with "Eromar" service columns in stainless steel.

Allowing for the variable levels of this tidal river, all the structures are anchored to the river bed by means of pilings and sliding devices.

This new tourist port represents an excellent example of how rivers are a resource which can be developed for pleasure craft: the complex blends in harmoniously with its surroundings.



## PROCIDA (NA)

### Floating pontoons for the new marina of Italia Navigando

The outer defences of the tourist port at Procida, one of the islands in the Gulf of Naples, were finished a few years ago. The completion of the mooring structures, the creation of service areas and the general running of the marina is done by Italia Navigando, which saw in the port development an interesting opportunity to amplify their network of marinas in central and southern Italy. Ingemar was assigned the job of furnishing 300 mts. of reinforced floating pontoons with high freeboard, to amplify the receptive capacity of the port for more than 200 craft of up to 18 mts. To have won the appointment after careful selection at international level, was extremely gratifying and even more so were the excellent relations, mutual trust and cooperation established with Italia Navigando, the designers and local suppliers, all of which meant rapid completion of work, notwithstanding various difficulties, to the satisfaction of all concerned. The new



port was inaugurated on the 13th August in the presence of important political and institutional authorities, testifying to the fact that this initiative constitutes a new and

necessary resource for the development of pleasure craft in the Flegree islands, which have long been penalised by the absence of mooring facilities.



### **PESCHIERA (VERONA)**

Ingemar and the Garda Yacht Club at the 11th Riva Club Meeting.



### **MONFALCONE (GORIZIA)**

Marina Hannibal: a typical example of a "turn key" operation. Pontoons with fingers, services and moorings.



### **BOCCA DI MAGRA (LA SPEZIA)**

The Marina del Ponte updates their landings with custom-built pontoons.



### **MARSALA (TRAPANI)**

Replacement of the old installation is still going on in the port. Cooperation with S.N.A.L.S. Mare is strengthened throughout Sicily.



### **CHIOGGIA (VENICE)**

Meridiana Orientale and Marina Verde: more landings on the River Brenta.



### **STINTINO (SARDINIA)**

King Size pontoons and timber decking for the fixed piers in the new port. Another initiative by the Region of Sardinia on the north west of the island.



### **SPLIT (CROATIA)**

Ingemar pontoons in operation at Marina Giricic e Marina Kastela.



### **FISCARDO-CEPHALONIA (GREECE)**

A huge success for the I.T.I. installation with Ingemar pontoons. The expansion of the tourist port nears the starting date.





## **Two new special projects from the Ponte del Redentore**

The modular elements made by Ingemar for the floating bridge which, since 2002, have spanned the Canal of the Giudecca for the Feast of the "Redentore", have now found new applications.

### **The floating pavilion at Città d'Acqua The 2004 Biennial Architectural Exhibition**

The innovative floating pavilion, built for the 9th International Architectural Exhibition at Venice and used to exhibit the projects re-evaluating the worlds' cities with waterfronts, is completely in tune with the spirit of the International Centre Città d'Acqua. The project was conceived and designed by the architects Rinio Bruttomesso and Alberto Cecchetto. The 25 floating elements, connected by rigid joints, facilitated the construction of a gangway 6 mts. wide and 110 mts. long. The floating pavilion stretches from the covered basin of the Gaggiandre to the waters of the Arsenale della Serenissima and is flanked by three service platforms of 70 mts. and 110 mts. respectively; a small caffè, situated on the extreme end, offers visitors a fascinating panorama of the area. These floating structures are entirely enveloped by a modern structure in honeycomb polycarbonate ensuring daylight and transparency in the pavilions where the projects, models and photographs of the most important waterfronts of the cities of the world are on display. Ingemar is proud of the fact that they have collaborated with the designers of this splendid project for the definition and structural calculations of all the floating elements, access systems and anchorages to the sea bed.



### **A special pontoon for the passenger terminal**

The Venezia Terminal Passeggeri SpA, founded in 1997 by the Ports Authority to promote cruise ship activity in the Port of Venice, commissioned the architect Mara Ave to produce the general design for a floating landing opposite the maritime station, close to the Palazzo pier, to take water taxis as well as cruise ships. Ingemar was commissioned to produce the final project and build the complex, which will integrate seven elements of the bridge with new floating elements and access systems. The whole area will act as a sorting point for tourists going to Venice or other destinations on the Lagoon. The anchorage systems are steel pilings with sliding devices.





## MUGGIA (TS)

### Porto San Rocco: a floating bridge with remote controlled opening

The jetties and floating pontoons with fingers were installed in 1998 and the following year work was completed by the installation of moorings for megayachts. Subsequently there has been continuous cooperation for the maintenance of all the structures. This year Ingemar won a new and stimulating project: to produce a "turn key" mobile floating bridge. This will ensure a continuous foot and bicycle circuit from the town centre to the port and, when opened, will provide access to the original dry dock already fitted out with floating pontoons and fingers. The bridge is a floating structure 3 mts. wide, activated electrically by a motor housed under the walkway and moved with a system of chains and pulleys. The whole operation is remote controlled and the opening will span a width of nearly seven metres.



## GENOVA

### Porto Antico: a new wooden framework for the Isola delle Chiatte

This is a project designed by Renzo Piano for the Cantieri Porto di Genova srl: the old barges are forming a meeting point in the centre of the port basin. Ingemar has been assigned the task of constructing the wooden framework to blend in with the other floating structures within the port.



## KUWAIT

### A custom built landing for the marine firefighting department

Following the installation for the National Coast Guard in the port of Kuwait, another assignment for Ingemar; and this time for a very special client - the department of the marine firefighting.

This project is to provide a floating structure to moor the large and heavy rescue vessels: the dimensions must take into account the size and weight of the ships to be moored as well as the difficult

marine weather conditions. Because of the particular functional requirements new structural solutions and finishings had to be developed. The main framework is painted steel, the floating elements are in polyethylene with expanded polystyrene cores and the wooden surfaces are of exotic hardwood. Anchorage is by pilings and sliding devices. The determining factor in acquiring this commission was the consolidated relationships with local suppliers and manufacturers, combined with the technical and commercial organisation of Ingemar in the Gulf.



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Factory, technical and commercial offices  
Via Martin Luther King, 50 - 31032 Casale sul Sile (TV)  
Tel. 0422 702412 - Fax 0422 820673  
treviso@ingemar.it www.ingemar.it

**INGEMAR**

Registered offices and administration  
P.zza IV Novembre, 4 - 20124 Milano  
Tel. 02 67078528 - Fax 02 67380242  
milano@ingemar.it www.ingemar.it