

**Press Release**

## **ITALIAN INDUSTRY AROUND THE WORLD: INGEMAR'S SUCCESS ON THE ARABIAN PENINSULAR STIMULATES NEW ENERGY AND EXPAND THEIR PRODUCTION UNITS AT CASALE SUL SILE**

**Milan, 19 October 2015.** One could almost say that Ingemar, Italy's leader in the construction of floating structures for tourist harbours, has found 'black gold' on the Arabian peninsular: not amongst the dunes in the desert or under the sea but rather along the Red Sea's coastline and in the Persian Gulf of two countries which are currently enjoying continuous and rapid growth.

In Kuwait, Ingemar has taken on responsibility for the final design, supply of the strategic elements and production and installation of pontoons for two new marinas. In Saudi Arabia the company operates as the main contractor for the production and transport of the units and plant from Italy. These are two very diverse assignments in relation to the client's and market conditions.

**Kuwait:** on-site construction continues apace of the elements for *La'ala Al-Kuwait Sabah Al-Ahmad Sea City*, the astonishing project to construct a city for 100,000 people along 20km of coastline on the Persian Gulf. The project, begun in 2003 and split into 10 separate phases, will cover an area of 64 sq.km with a network of canals and artificial lagoons carved out of the surrounding desert.

The first basin, by Ingemar, was inaugurated in April this year after only 18 months' work; there are 406 moorings from 10 to 40m lengths on pontoons and fingers anchored by fixed pilings to the sea floor. The second large marina for a further 633 vessels, is nearing completion and should be operative by the beginning of 2016.

The modular pontoons are 3-4m wide with variable lengths of up to 20m, the fingers are up to 30x3m and the breakwaters 20x4x2m with a displacement of 65t. Many of the elements required ad hoc designs according to each marina's specific layout as well as building large platforms, for meeting and refreshment areas, of up to 16x16m: the floating surfaces of the two basins cover an area of 40,000sqm with 17km of pontoons and fingers.

The elements are of the continuous floating all-concrete type, with concrete structure, framework in galvanised steel and polypropylene fibre and an unsinkable nucleus in expanded polystyrene; the bottom of each element is protected by a thick coating of plastic to conserve and protect the surfaces from the invasive molluscs of the Gulf's marine flora.

**Saudi Arabia:** this gratifying collaboration with the Saudis to develop modern coastal ports for the berthing of their naval vessels has seen the Ingemar Group active in the country since 2012. This is an extremely important assignment, both from a technical, organisational and production angle, and saw the company successfully prevail following strong competition from the most important international groups.

Further to the two installations by a local contractor using Ingemar's floating pontoons, 11 additional turnkey landings have been installed directly by Ingemar as the main contractor, 7 along the Red Sea coast and 4 along the Persian Gulf. The Group is currently drawing up plans for 20 new landings for Saudi patrol boats; these will be constructed at the Casale sul Sile factory according to the express wishes of the client

and installed along the Saudi coastline by August 2016. This is further evidence of the appreciation of 'Made in Italy' quality exported by Ingemar.

Important emphasis has been placed on the concept of modular construction and ease of transport of the elements which can be configured, according to requirements, to provide landings for 4 - 8 naval vessels. The floating pontoons are built of galvanised steel, painted to provide better preservation, with floating units in concrete and exotic hardwood finishings. The mooring fingers, a newly designed feature, have the latest structural characteristics and innovative jointings incorporated in the pontoons allowing larger vessels to moor alongside without depth problems.

Installing new landings in locations unprotected from rough seas means using floating breakwater elements which will be made of reinforced concrete with polystyrene nucleus in sizes of approximately 12x4,50x2,30m and weighing 55t, positioned sequentially in order to create a variable length barrier according to the site specifics. The terminal elements will be of rigid couplings constructed of two modules in the Casale sul Sile factory at the end of installation and sent by container to the installation site.

Growing demand for floating pontoons and breakwaters in reinforced concrete and the tight schedules imposed for their installation, has this year led to an enlargement of the production areas destined for these huge objects at the Casale sul Sile factory.

The production units, owned by Ingemar T&S, comprise a surface area of roughly 2,000sqm for offices and factory, and 5,000sqm for storage and handling of materials and for the construction and storage of the prefabricated elements in special retractable warehouses.

In addition to the production equipment of pontoons up to 12x3x1,20m, a new prefabricated building has been added to house the large modular casings for the production of breakwaters up to 20x4x2,40m. A fixed crane covers the entire external area serving the packaging of the castings and stock movement areas.

The President, Lorenzo Isalberti, underlines with pride "This has been an important investment for the Group in order to fulfill growing demand for these large structures; I am convinced that only within an area dedicated specifically to their construction, using our own specialist personnel under the supervision of our own technicians can we ensure the consistent quality which is indispensable for the production of these very complex elements."

For over 30 years Ingemar has been designing and building pontoons and floating breakwaters worldwide and today is one of the few companies in the sector having its own independent production facilities which allows it to carry out Research and Development in order to anticipate market demands. The ISO 9001 certification for design, construction and installation testifies to its constant dedication and commitment to quality and is complemented by the SOA certification by the port sector for commissions of up to Euro 15.5 million. The company's Head Offices are in Milan and production and customer services are at Casale sul Sile in the province of Treviso.