

FLOATEX[®]

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2012 - 2013

NEW MATERIALS AND PRODUCTION TECHNOLOGIES

Thanks to the very close cooperation with Refining & Chemical Division of Total, Persico SpA Rotomoulding Division, leader in rotomoulding machine and moulds engineering and production, and with great support of NOREMAT France, new rotomoulded products have been developed and successfully brought into challenging industrial markets.

Continuous research and development supported by in house fully equipped laboratory cross-linked with carefully dedicated production tests with the direct assistance of the aforementioned Companies, allowed Floatex to introduce new materials and production methods for buoys and floats with enhanced resistance characteristics for challenging oil fields.

The newly developed materials have been already successfully utilized on challenging offshore installations perfectly matching Clients expectations. Offshore industry will benefit from the above improved materials and production methods, achieving longer product life span, higher mechanical performances and stabilized colour resistances.

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Floatex – Tideland : NEWS



C8 LIGHT BEACON

The synergy created by the fruitful cooperation between Floatex and Tideland has given the Aids to Navigation market the benefit of state of the art latest technology applied on new outstanding products.

Thanks to the cooperation with Tideland, Floatex has been able to focus on the

engineering and production of new floating and fixed structures utilizing the latest materials and rotomoulding technology, while the Tideland has developed and updated some of the most important light and radio communication systems.

A complete new range of eco-

friendly products are now available with outstanding technical characteristic.

In fact the new buoy and light range will be able to be utilized in extreme cold or high temperature conditions with outstanding day and night visual characteristic, matching completely the latest IALA

demanding standards.

In the aim to respect nature, following the latest and near future concerns on waste ecological impacts, all the new buoys and beacon structures are fully recyclable and production process respects all the European rules and limitations.



3MT ECO-FRIENDLY LIGHT BUOY



SPECIAL WRECK BUOY



LIGHT POLE



C8 LIGHT BEACON



C8 LIGHT BEACON

Articulated beacon / Elastic beacon



ELASTIC BEACON

Floatex has been promoting this very special aid to navigation since many years, therefore dedicated project stability calculation methods have been performed to simulate behaviour of this important and unique aid to navigation structure. Nowadays resilient beacons are widely utilized to accurately mark narrow channels and/

or locations where frequent technical maintenances are often difficult to manage. This type of aid to navigation is particularly indicated for monitoring purposes and, properly equipped, utilized as weather station with the possibility to monitor a lot of parameters such as; current meters, salinity, water temperature and pollution,

wind force and direction and many more. Recently Floatex has been awarded a contract by the Università degli Studi di Genova Dip. Di Fisica e Di Biologia for the supply of two articulated beacons for the Arion project. The two detection units will be placed one kilometre off the coast of Portofino headland. Each articulated beacon / elastic

beacon will be equipped with hydrophones and acquisition system which can record the typical "social communication whistles" emitted by the dolphins and the sound emitted by boat engines. Signals are then sent on shore, via Wi-Fi, and elaborated to get the real time position of dolphins and boats. More info at www.arionlife.eu



ELASTIC BEACON DURING INSTALLATION



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Certification



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Special projects



OCEANOGRAPHIC BUOY

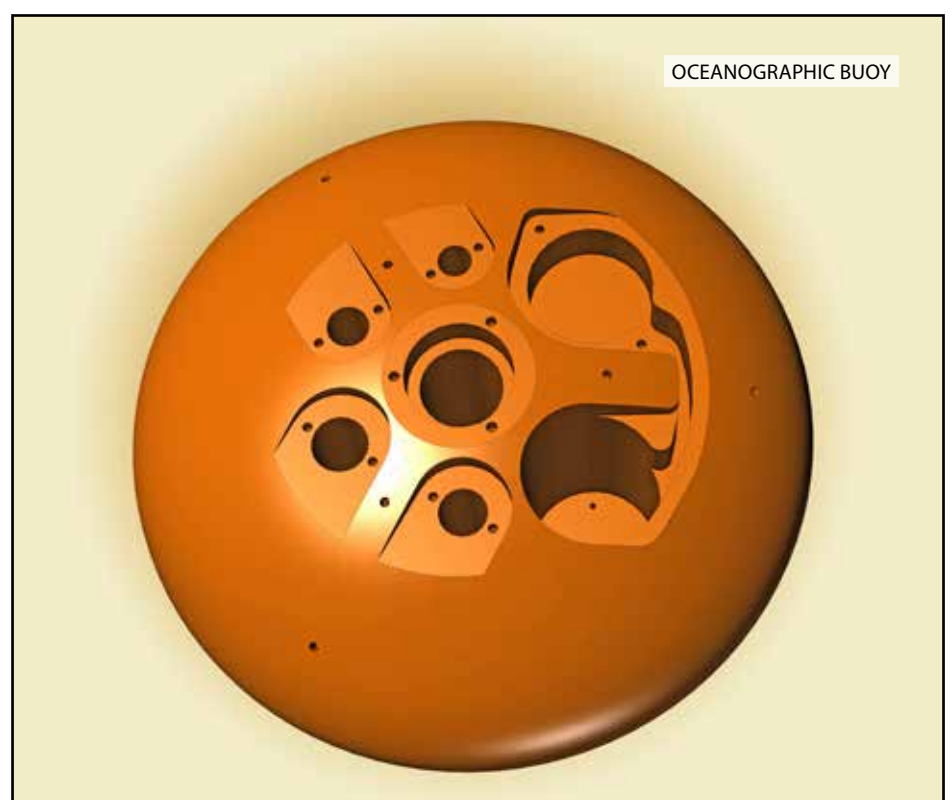
Floatex production of water related products is well known, and buoyancy elements for surface and deep water are world-wide used.

Thanks to Nortekmed - France three deep water buoyancy "UFO" shaped devices have been manufactured, to withstand water pressure up to 4500 mts.

The special designed modules will be utilized at 1500 mts water depth to monitor water currents, water temperatures, tide, water turbidity and will take underwater pictures every

hour. After a period of about 6 months, the modules will be automatically released from the sea bottom with a remote acoustic release system .

More info at this website:
www.nortekmed.com



OCEANOGRAPHIC BUOY



OCEANOGRAPHIC BUOY



OCEANOGRAPHIC BUOY

Special projects

Floatex tailor made special products are well known in the offshore, dredging, aids to navigation, fishery and aquaculture field but, thanks to the cooperation with major partners, Floatex is pioneering general industrial fields.

Although the major interest of the company is to continue the historical appartenance to the fields above mentioned, the challenge of pioneering different markets with other type of technical targets gives the company a wider knowledge in the materials and industrial application of the afore said.

Thanks to the very positive application of new materials and rotomoulding technique,

allowed Floatex to enter in the automotive industry.

For the challenging of the well-known Noremat Company (www.noremat.fr), special rotomoulded parts have been produced to be installed on a special multi-purpose vehicle.

The row materials developed specifically by Total Refining and Chemical Division, moulded in Floatex using aluminium moulds manufactured by Persico spa Rotomoulding Division, perfectly matched the resistance, colour, size and all the other technical issues required by the customer.

The new beautiful multipurpose vehicle will soon be on the



SPECIAL MULTI-PURPOSE VEHICLE



roads fulfilling his dues and the project has given Floatex the chance to experiment new materials that could be utilized in other fields of competence.



SPECIAL MULTI-PURPOSE VEHICLE



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SPECIAL MULTI-PURPOSE VEHICLE

CBM: Conventional Buoy Mooring

Floatex has been awarded the project for the supply of two new complete Conventional Buoy Mooring System consisting of 13 buoy type CAT5820-2100 complete of quick release mooring hooks fully equipped with remote control release systems. All the equipment has been container shipped and site assembly will be done with the aid of small crane and fork lift.

The buoys with a diameter of 5.800 mm and buoyancy modules with a height of 2.000 mm consist off an inner steel frame, 16 PE rotomoulded floating modules, double 100 ton quick release mooring hook

and off course proper Aid to navigation marine lantern. All the power supply needed for the light and the remote control hook release system is powered by solar system.

One system will be used to moor tanker vessels up to 150.000 DWT and the second one to moor tanker vessels up to 35.000 DWT.

Floatex modular CBM buoys, are extremely easy to assemble on site and deployment needs simple crane vessels.

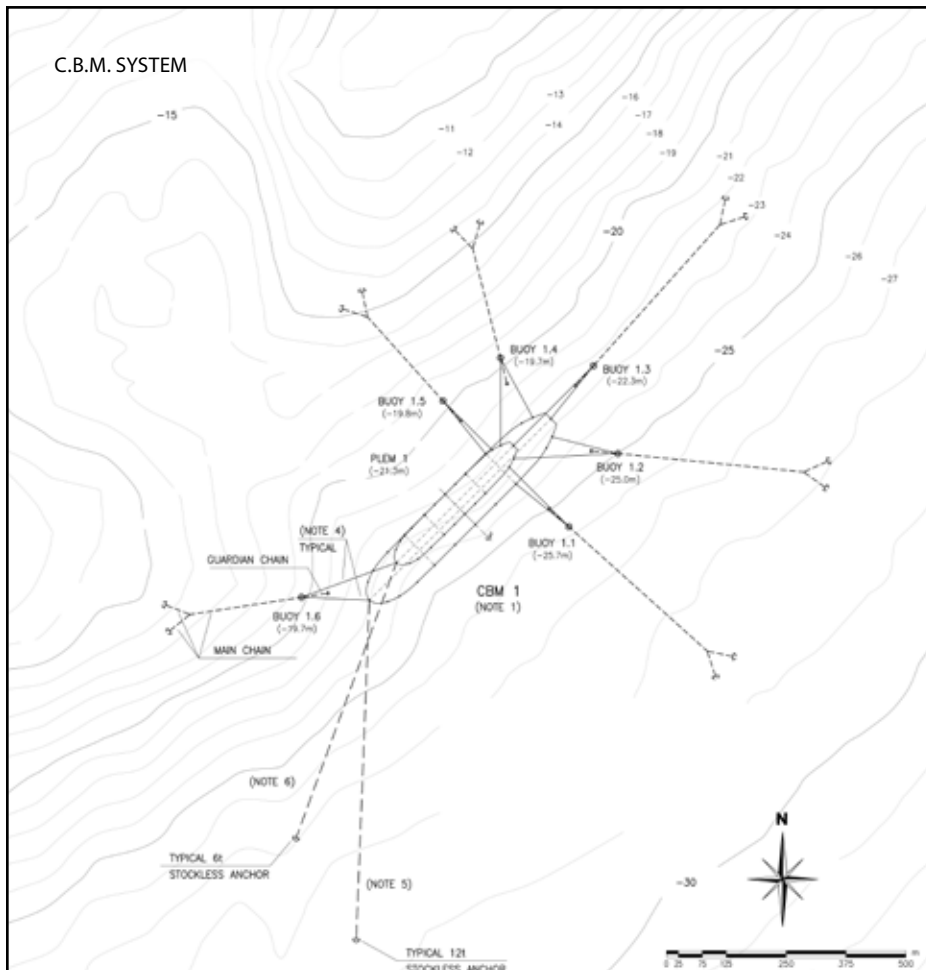
The buoys are extremely easy to maintain and proper trained local personnel will grant a successful long performance life at very reasonable low costs.



CONVENTIONAL BUOY MOORING



HINGED BOLTED FLOATS FOR SUBMARINE HOSES - OIL & GAS



"Y" PIECE REDUCERS FOR SUBMARINE HOSES - OIL & GAS



CHAIN SUPPORTING BUOYS - OIL & GAS



FLOATS FOR DREDGING PIPES



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R&D department / in house testing facilities

Floatex R&D involves continuous research on new materials and of course production methods for the afore mentioned.



PROOF LOAD TEST

New test machinery has been added to the existing well equipped in house laboratory , to emphasize new challenging performance tests on standard and new materials.

Also the production methods are updated accordingly, granting the precious Customers the best service possible to answer all possible queries and concerns.

Thanks to the fruitful cooperation with experts of Total Refining and Chemical Division, Persico spa Rotomoulding Division, Norematt Company and other well known Companies, Floatex has been able to develop and later produce the most updated and diversified products to float all types of equipment regularly utilized in the Off Shore, Dredging, Aton, Aquaculture and other Industry fields.



LATERAL DART DROP TEST



UV TEST - OVEN



XENON TEST



ABRASION TEST



COLD RESISTANCE - IMPACT TEST



TENSILE TEST



COLOUR TEST

Other Products



EMERGENCY FLOATING BARRIER



PERMANENT OIL BOOM



PIPE SUPPORTING FLOATS



PERMANENT FLOATING BARRIER

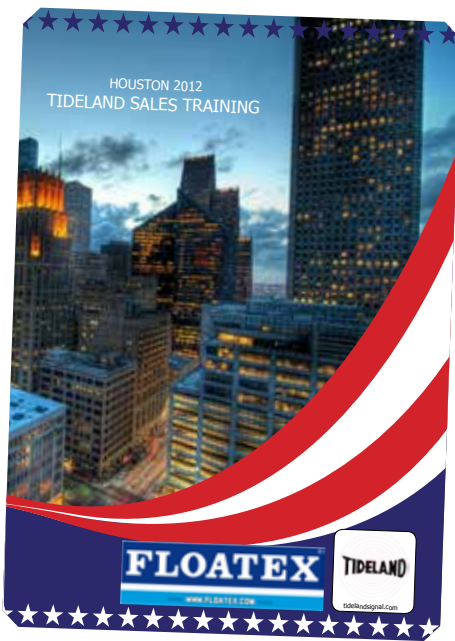
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