

FLOATEX®

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INNOVATION 2018 - 2019



Innovation, an important concept in today's world business needs.

Floatex continues updating all manufactured products matching the developing markets of the oil industry, as well as dredging and Aids to Navigation Industry.

The above innovation policy has been applied since the 1976 start-up of Floatex Company.

Innovation on utilised materials, hardware and software, production technologies and related laboratory facilities are the key of Floatex facility to serve and fulfil the esteemed clients demands.

Fully implemented quality control system and the use of the latest technologies helps Floatex to grant fully dedication to high quality production.

Of course all Aids to Navigation products

are strictly in accordance to IALA (International Association Lighthouse Authority) guidelines and Floatex is proud to be a recognised industrial member since several decades.

Inasmuch, all the products related to the oil and gas industry and specifically manufactured articles for offshore oil loading and discharge facility are fully in accordance to the latest GMPHOM 2009

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Partnership Floatex - Tideland

I.A.L.A. 2018, which took place in South Korea, was a fantastic occasion for all the I.A.L.A. members to meet each other, discuss about important topics with reference to the worldwide safe navigation and to strengthen relationships and agreements.

Under this aspect, the partnership between Floatex and Tideland has been confirmed once again: the shared booth, in the earth of the exhibition, has been a focal place of meetings, appointments and important developments.



Tideland has entered the Xylem Inc. Group extending the same to a more complete and detailed global agreement, that increase the possibilities for all the involved parties.

Main objects are the daily improvement of the quality of production, keeping a constant enforce on the study of the possible new solutions to meet the customer requirements and satisfy their needs.

Xylem Inc. is an American water technology provider and its target is saving the availability of clean water. This is made by offering a wide range of sensors, pumps, other useful products/tools which easily allows customers to efficiently transport, treat, test, use water in the different field where this is needed, such as public utility, industrial and agricultural settings or residential use.

This all comes after important studies made by independent research centres on the water properties so to majorly understand what can be done to grant the future generation to have high clean water availability for everybody all over the world.

Under this concept, the acquisition of Tideland Signal and the partnership with Floatex allow Xylem to extend its pursuit of its scope: in fact, Floatex can design and manufacture floats or buoys to house the several equipment and instrumentation within the Xylem range of production, while Tideland Signal is worldwide leader in the production of lanterns and Aids to Navigation useful for a proper navigation across the waterways .



Renewal of expectations



2017 cannot be exactly presented as the best working year.

It has been an hard time for all the activities, and most of the activities were limited to renewals and upgrading of existing systems.

2018 has been an interesting working year with several new projects all over the world, and several needs of new products raised.

Within this business opportunities, both standard and innovative solutions are required, and Floatex confirmed its intention to satisfy the main necessities of the market.

Also this new year seems to be the logical prosecution of what happened in 2018.

Standard accessories for Oil and Gas have come back to higher requests rather than

two years ago, new studies are carried out for upgrading of existing or construction of new ports and harbours, and a growing interest in opportunities have been the focus of this newly started year.

Floatex wants to keep its quality to high standards, to confirm its position within the market and to identify, study and satisfy customer's

requirements, as always targeted since 1976.

Engineering and construction of tailor-made solutions has been one of the recognized strengths that helped Floatex to be one of the worldwide leaders in the manufacturing of Aids to Navigation, Oil & Gas accessories, floating barriers, pipe supporting hoses, fenders and so on.



What means innovation?



What do we really want to point out when we talk about “innovative solutions”? How can a product be classified as innovative? Our pure personal thought is: it becomes innovative, when the way to work changes in better. Less fatigue for the workers in place; less maintenance required with reduction of costs; less incident during the normal activities; increase of the precision of the instruments; increase of the range of works that can be done with the same materials; increase of the business opportunities. Longer life of the products, pollution free, use of the recyclable materials, better cost impact. From our point of view, a product that collects the above

mentioned perspectives, is an innovative solution. So when Floatex lists its own innovations, one of the first thoughts goes to the Elastic/ Articulated Beacon. Compared to a light buoy, the Elastic/Articulated Beacon grants a more precision indication on the installation point as it has a minor side displacement compared to a buoy moored with a chain: another advantage is the possibility to have high focal planes and great day visibility thanks to its structure. Moreover, an Elastic/ Articulated Beacon is usually foresee with a platform where an operator can easily check lanterns or other installed systems, and less solar panels are required as beacon keep its position toward the sun,

optimizing the absorption of energy.

Last but not least, an Elastic/ Articulated Beacon requires less maintenance than a buoy with traditional chain mooring. Jumping into the offshore segment, the rotationally moulded “Y” Piece can surely be indicated as an innovative product. While nothing changes in terms of installation on site, the construction is different and brings several advantages.

The rotationally moulded “Y” piece is composed by the classical internal steel part, but does not foresee any more the cover with expanded polyethylene and elastomer polyurethane. Now, the outer cover is made by two rotationally moulded shells that protect the steel part. This construction allows the workers on place to remove one shell and check the internal metal part time by time and carry out magnetic controls. When finished, the workers just need to bolt again the removed shell and the “Y” piece can be immediately utilized again.

Another big advantage is that in case of breakage of one of the shells, this can be easily changed with a spare component. Those are just two of the most well-known innovative solutions that Floatex brought to the market, but other potentiality can be expressed in base of the several requirements: big modular buoys with diameter over the 6mt, special buoys to house sensors, reinforced plastic floats for major resistance. Necessities are so many and the key to reach their full satisfaction is keep themselves innovative.



OS&D Hoses Floats - Deep water solutions



Within Floatex range of production, one of the most typically required items are deep water floats to be applied on rubber hoses.

Floatex is worldwide leader in the supply of Hinged Bolted as well as Turnbuckle floats, and quite all the main hose manufacturers are supplied by Floatex.

To fully be in connection with the hose manufacturer production processes, Floatex manufactures floats in accordance with GMPHOM 2009 (the former OCIMF), the

main guideline followed in the production of the marine hoses and respected by all hose manufacturers.

Those floats are rotationally moulded and filled with polyurethane foam for the different water depths: depending on the density of the polyurethane, Floatex products can easily reach high water depths, even far deeper than the usual applications of those floats (0-40mt or 40-80mt range).

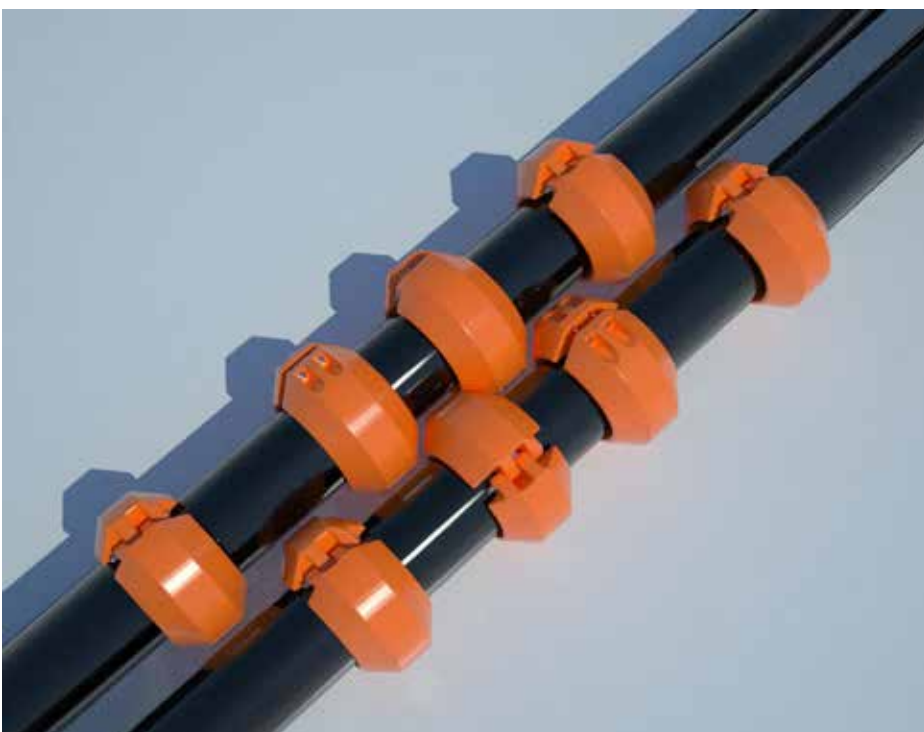
Always with the intention to satisfy the customer

requirements, Floatex has manufactured along the years new versions or accessories suitable for those floats. In the first case, Floatex has manufactured special reinforced floats, which were able to resist to much higher stresses rather the normal type and for this reason are suitable for installation on particular areas where specific conditions do not allow the floats to work without get stressed or hit by some other equipment. Four different designs are available to better match

customer specific demands and all the moulds are suitable for water depth up to 2000 meters.

Talking about accessories for hoses, the main one is the application of umbilical clamps which sustain the umbilical cable, keeping it closer to the main line.

Other possibilities are the ballasting of the float, to reduce or nullify its buoyancy in base of the necessities during the installation phases.



Other Productions



What makes Floatex one of the most known companies on the market is also the wide range of production. Not only Aids to Navigation and Deep Water Floats, Floatex can also manufacture other solutions for the various fields of application, i.e. dredging and aquaculture. Floatex owns several moulds for the production of various type of dredging floats, from small cables of 50mm diameter up to big dredging hoses with 920mm diameter. In between, a huge quantities of diameter and needs of buoyancy are covered, but also the missing options can be duly studied and realized in efficient way. Other sector is the aquaculture, where Floatex can supply buoys for delimitation of the aquaculture site, but also accessories for the cages or small floats for nets.

Big quantities of fishing floats are sold all over Europe and have been recognized as high-quality solutions compared to the inflatable products. On another hand, Floatex also manufactures floating barriers for the protection towards seaweed, waste and other polluting liquids or just to forbid the access to a specific working area. Floatex barriers are available in different dimensions and also specific solutions can be studied and realized upon request.



Into Floatex

Floatex has decided to keep always high quality as the main target in its manufacturing process. Floatex fully respects ISO guidelines and is periodically subjected to ISO inspections to obtain the relative certification.

The use of “eco-friendly” raw materials is a “must” in Floatex policy, and Floatex is proud to declare that all products are manufactured with properly certified eco-friendly raw materials following the actual regulations. Daily controls on raw materials are done to grant the performance of the incoming goods that will be then

forwarded to the production department: if raw material does not respect the minimum standards of quality, the batch is rejected.

Floatex policy is to test materials at the maximum to obtain an high quality, that will last for a longer time and will grant the customer a safe work and full satisfaction of the performance of the products.

The internal laboratory, where our materials are tested, is complete with various equipment, all of them duly tested and approved by external inspections and in fully accordance with the relative normative.



FLOATEX®



ISO 9001
BUREAU VERITAS
Certification



Floatex cooperate with:



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