

# FLOATEX®

Floatex Magazine n°3 - March 2011

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www.floatex.it



**FLOATEX ITALY**  
www.floatex.it



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www.floatex.nl



**TIDELAND SIGNAL CORPORATION USA**  
www.tidelandsignal.com



**TIDELAND SIGNAL LTD U.K.**  
www.tidelandsignal.com



## 2010 Milestone Partnership

Floatex despite the difficult global economic period continues to grow, confirming that the investments made in highly technological production facilities were correct and perfectly reflected the targets and budgets foreseen.

Since 35 years Floatex introduces new design and products for the offshore, dredging, fishing and aids to navigation industry.

Thanks to the very important partnership agreement signed with Tideland Signal Corporation,

a World wide Leader in Aids to Navigation, Floatex dedicated products will be better represented, and will benefit from high technological content of the Partner products.

Moreover, thanks to the world wide very well set up Sales and Service Tideland Organisation, Floatex will be able to serve closely all the Customers.

Therefore several new products and updated systems have been developed and manufactured

to suit perfectly the Customers demands.

Large CBM buoys equipped with Mampaey Quick Release mooring Hooks have been successfully installed in various locations.

New pipe deployment floats, deepwater floating system and float units as well as P.U. elastomer products and coatings have been manufactured delivered and installed world wide with full customer satisfaction.

**WWW.FLOATEX.NET - WWW.FLOATEX.IT**

## FLOATEX - TIDELAND SIGNAL CORPORATION Partnership agreement and cooperation



updated technology in the Aids to Navigation industry.

Floatex will continue to develop the most updated floating structures for the aids to navigation field using the latest technologies and fully support Tideland requirements in this field.

The agreement has been already of mutual benefit, and several GRP light towers have been duly delivered and installed thanks to Tideland.

A very important Partnership Agreement has been signed during 2010 between Floatex and Tideland Signal Corporation.

Floatex will benefit from the world wide well known Tideland, and of course, will have access to the most

The delivered GRP towers will be equipped with most updated Led technology Tideland's marine lanterns and solar power system.

Thanks to the fruitful cooperation, a large number of completely new buoy models are developed and soon will be introduced in the market .

New buoy shapes, models and foam filling technology taking good care of the environmental friendly solutions have been developed and already servicing the aids to navigation industry world wide.

Thanks to Tideland's world wide sales organization, Floatex Customers will benefit from a better door to door service and direct contact.



# TIDELAND SIGNAL

## Tideland Signal Corporation

4310 Directors Row  
Houston TX 77092 - U.S.A.  
Phone +1 713 681 6101 - Fax +1 713 681 6233

## Tideland Signal Limited

Kendal House, Victoria Way,  
Burgess Hill - West Sussex, RH15 9NF, UK  
Phone +44 1444 872240 - Fax +44 1444 872241



## TIDELAND SIGNAL Offshore marking

Tideland's aids to navigation systems have a long history of reliable service and are now available with all LED lights minimising maintenance.

Our design philosophy makes each of the lanterns and fog signals autonomous units.

Each unit has its own U coder making it easy to add additional stations as platform configurations change.

It also makes for a very robust system as the service to the mariner remains unaffected by any central control panel failure.

This also provides flexibility in powering the system with a choice of centralised or de-centralised 96 hours standby battery or a combination of the two.



### Light station

The light station comprises a biform arrangement of 2 x MLED-180Hi providing a range of 15nm and an MLED-150 LED secondary light with a range of 10nm.

In the event of a fault in the main light a signal is sent to the monitor panel and the

secondary light is switched on. All items are mounted on a stainless or galvanised steel pedestal and wired to an Exe junction box ready for field cabling.

The system is certified under ATEX Directive for use in Zone 1 hazardous atmospheres



### Fog Station

The AB68Ex main\standby fog signal provides a range of 2 nautical miles.

The electronics are housed at the base of the fog signal. Dual ECUs, one duty and one standby are used and any 2 of the 6 emitters provide a range in excess of the 1/2nm standby requirement.



### Visibility (Fog) Detector

The Sentry visibility detector can control both the fog signal and the lights switching them on when visibility falls below a preset (2nm) level.



### Battery (96 hour standby) power.

Batteries can be lead acid or NiCad and can be either rack mounted or housed on Zone 1 Exe certified battery enclosures.

A wall mounted, IP 66, monitor alarm panel that also provides DC Distribution displays the status of the system and provides control over the lights and fog signals either directly or by accepting remote inputs.

It also provides outputs to any platform SCADA system.



### Radar Beacon (Racon)

The Seabeacon 2 System 6 racon enhances the safety of shipping and personnel onboard by responding to interrogations by ships radars painting a Morse letter on the display.

### Solachan



The SOLACHAN comprises a light, solar panel and battery mounted on a pedestal to provide a single lift, self contained unit.

The solar system is sized for year round performance. Available for general marine and Zone 1 use the version pictured is dual certified for Class 1 Division 2 Group D and Zone 2 use.

## CBM Buoys - Catamaran

## Easy maintenance



restricted to the mooring and moving parts.

In fact all the rotomoulded buoy compartments are easily cleaned with high pressure water gun and no paint is needed as the colour is imbedded into the module buoy hull.



Floatex manufactures a wide range of CBM Buoys (Conventional Buoy Mooring).

Floatex CBM buoys are modular, therefore easy to ship with container and easy to assembly on site with small hoisting equipment.

Floatex CBM Buoys may be equipped with all-round rubber fendering system to avoid small damages from service vessel buoy approach.

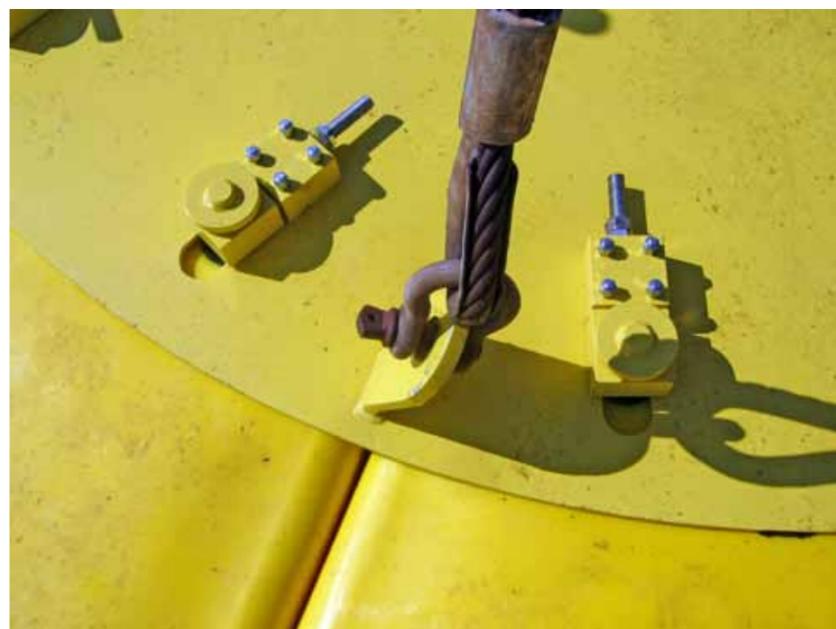
Floatex CBM buoy are equipped with Quick Release Mooring Hook to match customer's specific demand, but could be equipped with other type of mooring devices.



From 3 meter diameter to about 6 meter and from 10 tons to about 75 tons Net Buoyancy, Floatex CBM Buoys should match world wide market demand.

All the floating compartments are foam filled and grant unsinkability to the buoy even in case of accidental damages.

Maintenance is reduced to the minimum and basically





# FLOATEX®

## The Y Piece



Floatex latest floating 'Y' piece concept has been fully appreciated and the first ones started their work on site.

This new floating "Y" piece concept has been introduced to allow easy routine control of the metal parts as well as routine maintenance programs .

Metal parts will be able to be independently maintained without scratching off all the floating materials, but just detaching the 2 half floating modules .

Possible damages of the floating modules will be easily repaired on site following easy instructions and small repair kits.

Following the same metal "Y" piece design , heavy-duty metal parts for special locations are also available.

The new 'Y' piece model with the metal part completely finished and the first ones started their work on site. The new 'Y' piece model with the metal part completely finished and the first ones started their work on site. The new 'Y' piece model with the metal part completely finished and the first ones started their work on site.

It shouldn't be necessary, but accidents may unfortunately happen on field, and Floatex new 'Y' piece will be able to grant more safety for the offshore hose lines.

The "Blue one " (new Floatex floating 'Y' piece) is easy to connect, and a modern solution for the demanding Offshore Industry.



## Offshore



Floatex modular buoys have been widely used for different offshore applications.

Surface or deepwater modular buoys are continuously manufactured, and the engineering department provide a large number of new "taylor made" projects

to suit the specific Customer requirements. Floatex develops a wide range of different buoy shapes, dimensions and materials.

This capacity fullfills todays market demand and grants Floatex a continous growth on the offshore market.



## Deepwater



Floatex new deepwater tests equipment will soon be in full service.

The installed autoclave will allow deepwater testing up to 5000 mt water depth.

All new deepwater going materials will benefit from the in-house testing facility and Floatex Research and Development department will benefit from the

extended test facility.

Very deep water foams and resins have been developed and are now ready to substitute the previous produced ones with better buoyancy and price impact.

The new range of buoyancy materials will service water depths from 50 to 9000 mts matching the today's market demand.



## Other products



Floatex developed and successfully installed a completely new environmental friendly and fully recyclable protective boom system.

The new boom is extremely easy to maintain and clean with high pressure water gun only. All stainless steel metal parts are utilized to connect the various boom elements assuring a

very valid solution to little harbours debris protection. Other oil spillage booms models are also available for permanent and / or easy deployment use.

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# Hoisting and mooring equipments



Crane Blocks

Recently, Floatex KSC has expanded our testing facilities with the tools necessary for overhauling large crane blocks according to international regulations.

All blocks are completely disassembled up to the smallest component part, to be cleaned, sandblasted and corrosion protected before re-assembly.



It goes without saying that the loadbearing parts are all subjected to non-destructive



testing, and that the assembly will be subjected to a proofload.

After our complete overhaul, the crane blocks are fully certified and will look as-new.

Floatex KSC can look back on more than 40 years of experience, know-how and outstanding performance



in the world market for steelwireropes, heavy lifting, hoisting, mooring systems and rigging equipment.

Floatex KSC is located in



Slidrecht, The Netherlands, approximately 15 kilometres from the Port of Rotterdam. Our premises occupy a 10.000 sq.ft. site, with a 6.000 sq.ft. covered area for our production facilities and offices.



Bureau of Shipping; Det Norske Veritas; Registro Italiano Navale

The quality of our products and services is the basis of our success. Quality is a key issue for Floatex KSC. All products are designed and manufactured in accordance with all international standards.

All production stages can be executed under supervision of all international Classification Societies, such as:

Lloyds Register; American

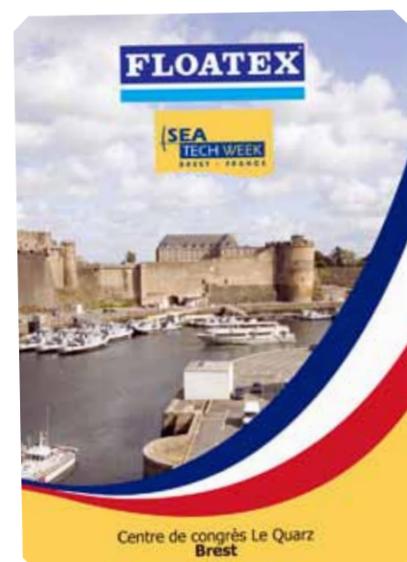
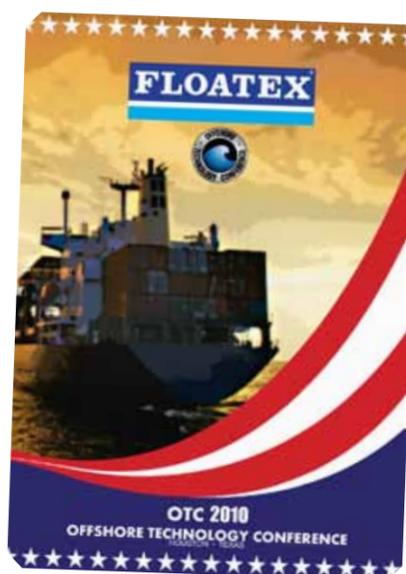
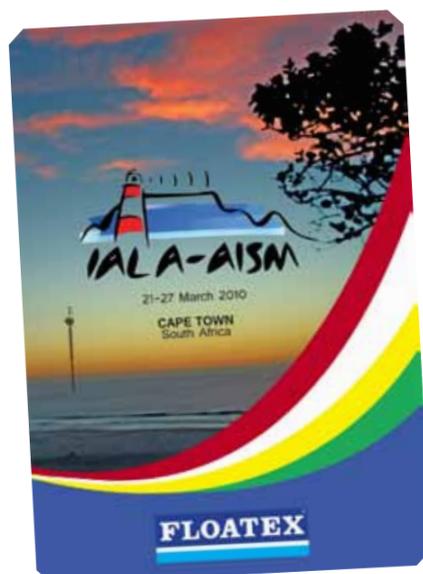
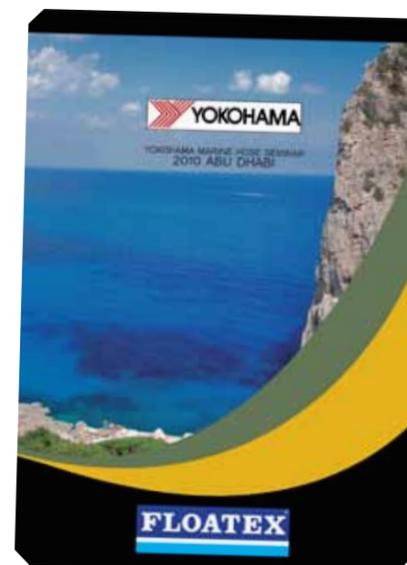
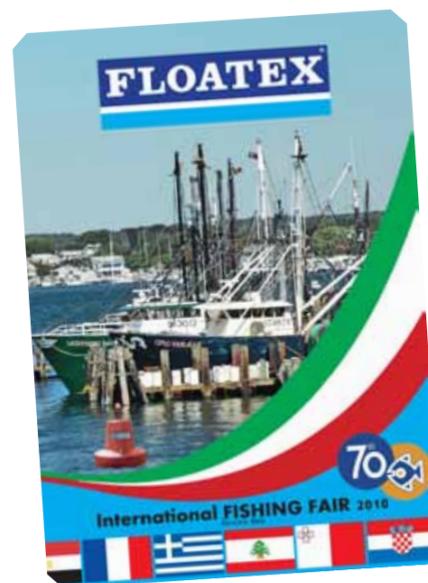
Test and Inspection

On our fully calibrated 200 mT capacity horizontal test bench we are able to test all manner of materials, such as anchor chains, synthetic ropes, shackles, steelwireropes, masterlinks and craneblocks.

The testing possibilities go from proofloading to testing to destruction.



## Exhibitions, conferences and workshops



**FLOATEX®**

**Floatex K.S.C. b.v.**

Phone +31 78 699 93 64 - mail:info@floatex.nl - www.floatex.nl

**FLOATEX®**

NEDERLAND BV

**Floatex Srl - Via Cave, 12 - 25050 - Provaglio d'Iseo (Bs) - Italy**

Phone +39 030 98.23.255 - Fax + 39 030 98.23.599 - e-mail : info@floatex.it - sale@floatex.it

**See us at the following international exhibitions:**

