

LANKHORST ROPES

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25 - 2018

LANKHORST EURONETE PORTUGAL



Fruitful Holland Fisheries for Ymuiden Stores

On October 5th and 6th the 2018 edition of Holland Fisheries was held, and Ymuiden Stores Holland was present of course! The exhibition, bringing together the entire Dutch fishing industry, is held every two years in Urk, the best known fishing village in the Netherlands.

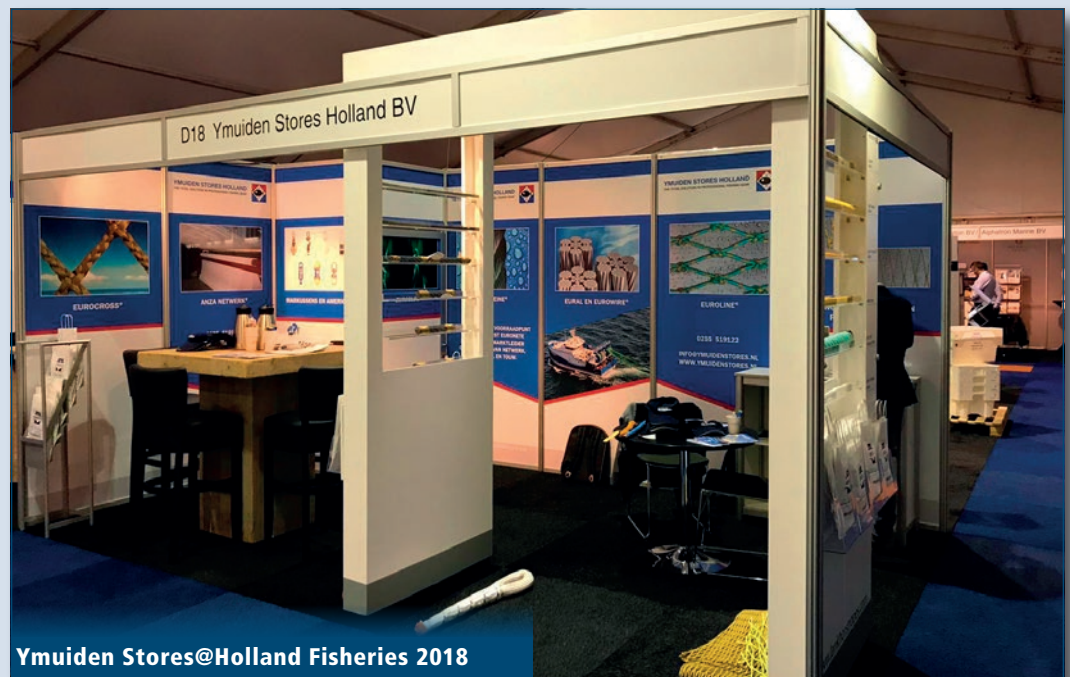
This year special attention was given to a number of new developments, including EuroGlow® glow-in-the-dark netting, Lankowarp®, Euroseine® PREMIUM flyshoot rope, and the recently introduced Eurodata® netsouder cable.

But in the end most visitors were attracted to and enquired about the three unique picnic tables, showcased inside the exhibition arena, made by Lankhorst Engineered Products from recycled fishing gear. The fishing industry is being confronted by an accelerated implementation (at EU level) of Extended Producers Responsibility to combat plastic waste in our oceans.

The key to success is ensuring waste (read: old nets) to be brought back to shore to be recycled. And to boost fishermen's enthusiasm to do so, Ymuiden Stores brought along the tables made by Lankhorst Engineered Products, in order to show that old netting has a durable and sustainable second life.

Working together for a sustainable future!

www.lankhorsteuronete.com



Ymuiden Stores@Holland Fisheries 2018



LANKHORST ENGINEERED PRODUCTS



'Global Light Rail Awards'

On Wednesday the 3rd of October, during the 'Global Light Rail Awards', Lankhorst Engineered Products received a Highly Commended for the entry of the in-house developed & manufactured KLP® Hybrid Polymer Sleeper in the category 'Best Environmental and Sustainability Initiative'.



This sleeper from 100% recycled ductile polymers is reinforced with steel bars and promises longer

life and is already proving itself for example in successful service on tramways in Amsterdam.

LANKHORST YARNS



"No strings attached"

Following a two-year period of extensive trials, Tangmere Airfield Nurseries have taken the decision to switch from using traditional polypropylene (plastic) twine to Elite biodegradable twine (PLA) to support their entire pepper crop on a 30 hectare UK site.

"We didn't take any chances when it comes to relying on this product" explains Gerard Vonk, General Manager at Tangmere. "We can neither afford to have an inferior biodegradable twine, nor do we want to raise our costs. So we did extensive trials and have evaluated this product in various ways. Obviously, we wouldn't want to have a product that does not perform the way we want it to."

It was quite a gathering on a September morning at Tangmere's impressive nursery, built right on the former runways of the military airfield where Spitfire and Hurricane aircraft were based during the World War II. The assembled group included Gerard Vonk, his colleague Mark Knight, Joris van Calcar of Lankhorst Yarns, Roger Beard of Agrovista and Elmer Vlieland of Benfried.

"For my team the product's performance made all the difference. Indeed, they were quite happy with it, especially considering the extreme temperatures we have experienced this year", Mark, Technical Crops Manager, continues. "Without any doubt the development of biodegradable twine has come a long way", Joris adds. "It took us years to develop a suitable and reliable product." Since the demand for biodegradable products has increased from growers around the world, Lankhorst started an intensive programme of research, trials and production of a PLA based twine. "It had to be strong and reliable, but also economically feasible to fit the needs of growers. Initially it couldn't be produced in pure white either. Now you can't tell the difference between traditional horticultural twine and this biodegradable product." Details do matter!



Lankhorst's exceptionally strong and UV-resistant biodegradable Elite twine will disintegrate when placed in a compost heap or compost facility. Under the influence of micro bacteria and at the right temperature of 70 degrees Celsius, PLA breaks down and will decompose down to 99% micro fibres within just 6 to 8 weeks. This way it can be part of an environmentally friendly production process or even be used by organic growers. Independent research on bio twine (PLA) was undertaken by the Wageningen University. A report on the results is available upon request. "The heat is on when it comes to the demand from growers for environmentally friendly or biodegradable products", Elmer continues. "We at Benfried's want nothing but the best for our customers and have found this in the Bio Elite twine from Lankhorst, whom we have worked with for many years. The initial demand for this type of product came from Australia, where costs for waste management are rather high in particular places."



Lankhorst biodegradable Elite twine

LANKHORST ROPES



Lanko®force Ropes for The Ocean Cleanup

Leading maritime ropes producer and supplier, Lankhorst Ropes, has supplied The Ocean Cleanup with Lanko®force ropes for its first cleanup system. The Ocean Cleanup has developed and is now deploying advanced technologies to remove plastic from the world's oceans. Lanko®force ropes have been used to tow the system from San Francisco Bay into the Pacific for trials with further Lanko®force ropes holding the system together in its 'U' shape. After successful trials Lanko®force will now be used to tow the system to its final position in the Great Pacific Garbage Patch and hold the system in shape.

Made of Dyneema® yarns, Lanko®force is stronger than conventional steel wire rope, yet the corresponding weight is 7 times lower. As a result, Lanko®force is an excellent alternative for heavy and

cumbersome steel wire ropes in situations requiring manual handling of the rope.

Commenting, Hans-Pieter Baaij, commercial director, Lankhorst Ropes said, "We are very happy

to be continuing to work with The Ocean Cleanup having previously supplied Lanko®force and Euroflex® ropes for a prototype system trialled in the North Sea. Lankhorst Ropes is committed to enhancing its own sustainability as well as our customers'. In addition to the 'Through Life, For Life' rope programme Lankhorst recently launched the Florida Cruise Industry Rope Recycling Initiative."

Florida Cruise Industry Rope Recycling Initiative

The Cruise industry has some of the most innovative recycling, reducing and reusing strategies in the world. Highly commended at the Seatrade Cruise Awards, Lankhorst's rope recycling initiative assists cruise lines in going further by repurposing synthetic fibre mooring lines previously sent to landfill as picnic sets, landing stages and even bridges.

Through Life, For Life

Lankhorst Ropes' 'Through Life, For Life' rope programme gives operators a portfolio of rope service life support and sustainability benefits unmatched in the industry. From development of a mooring plan to rope selection and management through predictive service-life rope testing and training, Lankhorst provides complete 'through life' rope service with the benefit of longer rope service-life, easier handling and safe operation.

'For Life' combines Lankhorst Ropes' commitment to Green manufacture with extended rope service-life, and ultimately rope recycling, providing levels of sustainability that make a significant contribution to customer environmental policies.



Lankhorst Ropes has supplied The Ocean Cleanup with Lanko®force ropes for its first cleanup system

LANKHORST ROPES



Windfloat Atlantic marks first ever Lankhorst Dyneema® DM20 Mooring

In the first application of Gama98® Dyneema® DM20 fibre ropes as mooring lines, Lankhorst Euronete Portugal is supplying mooring tethers to Windplus SA for the 25MW WindFloat Atlantic Project, offshore northern Portugal. The wind turbine generator (WTG) platforms will be moored at a water depth of 85 – 100 m.

The WindFloat Atlantic Project comprises three WindFloat 8MW WTG platforms that will be installed 20km off the coast from Viana do Castelo.

The WindFloat is a triangular shaped semi-submersible floater with a wind turbine erected on one of the columns. Each platform's mooring system is made up of three catenary mooring lines of Gama98® rope construction made from Dyneema® DM20 attached to drag embedded anchors. The soft catenary mooring system will restrain the platform's horizontal motions.

The ease of High Modulus Poly-Ethylene (HMPE) rope handling will result in lower costs compared to spiral strand steel wire both during installation and future disconnection.

The mooring lines will be

pre-laid on the seabed, prior to the arrival of the WTG platform, and connected using platform mooring connectors.

"The WindFloat Atlantic Project is a significant mooring project. It marks the first ever use of Gama98® Dyneema® DM20 as mooring tethers in any offshore mooring application," says Alberto Leao, Sales Renewable Energy, Lankhorst Ropes. *"The mooring characteristics of Gama98® Dyneema® DM20 makes it an ideal product for offshore mooring projects and places Lankhorst at the forefront as the fibre world technological leader on mooring."*

The American Bureau of Shipping (ABS) has certified the WindFloat Atlantic floating foundations and approved the Gama98® mooring rope design.



Windfloat Atlantic Project

EXHIBITIONS 2018

LANKHORST ROPES

28 – 30 November International Workboat Show,
New Orleans (USA)

FROM THE EDITORS

The next edition of Lankhorst Euronete News will be published in March 2019.

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Lankhorst Ropes@SMM Hamburg in September 2018