



LANKHORST ENGINEERED PRODUCTS

Market leader in plastics' innovation

Plastics fascinate us – every day again and again. We produce and develop high quality plastic products that are based on recycled materials and virgin materials. Our customers will experience added value when it comes to safety, sustainability, total costs of ownership and customisation. Management and production is done in the Netherlands (Sneek and Born) and the majority of our raw materials is supplied by our own recycling factory in Germany (Niederlangen).

Corporate Social Responsibility

Based on the principles of Corporate Social Responsibility, Lankhorst Engineered Products pays much attention to safety, environment and quality when it concerns people, environment and product. We are certified according to the standards of ISO 9001 (Quality), OHSAS 18001 (Safety) and ISO 14001 (Environment) – certificates ensuring that our quality products among other contribute to a cleaner

environment, thus fitting into a sustainable environment. We focus on reducing and recycling waste material, on minimising the necessary input and on accomplishing multi-year agreements with the government with regard to energy reduction.

Also in that respect we could not even imagine the sheltered Empatec workshop not being present on our site anymore. Here, standard products are turned into customised products for our customers.



Installation of Lankhorst VIV Strakes

Innovative and entrepreneurial

Lankhorst Engineered Products is European market leader with

a long tradition of creativity and innovation. We are always looking for solutions that are entirely in line with our customers' demands – from initial idea to finished product. Our R&D department plays an important key role in this whole process. Through continuously investing in people, automation, and product and technology development we have become a fast growing division. Our expectation for the coming years is to even further expand our national and international success.



KLP® Rollstop System

LANKHORST EURONETE PORTUGAL

Lankhorst Euronete Portugal world leader in production and distribution of netting, steel wire and synthetic ropes

After WireCo WorldGroup acquired the Lankhorst Euronete Group, all the important brands produced inhouse were gathered into one portfolio. This has introduced an added value for our company.

The Fishing Division of Lankhorst Euronete Portugal has its head office in Portugal with 4 production units: Maia and Boticas (Portugal), Le Guilvinec (France) and Goa (India), and also 7 distribution centers located in different areas of the world: the Netherlands, Denmark, United Kingdom, United States (Seattle and New Bedford), Uruguay, Chile, Australia and India.

With this strong position, we guarantee a fast and efficient service worldwide. We have established stock points in our distribution centres all around the world which allow us to serve the changing market demands in time.

Markets such as the industrial fishing - trawls, purse seine and aquaculture are the most important segments that use our products, always introducing the latest developments in synthetic

fibres. Innovation has always been our motto and the reason for our company's success, which we are very proud of.

In the industrial fishing market, brands such as Euroline Premium® and Premium Plus® are established as market leaders with an extraordinary performance and strong demand.

Euroline Premium® and Premium Plus® are products developed inhouse by our R&D experts. Advantages of these specialised materials are:

- Bigger trawls can be used;
- The same trawl will be made from thinner twines which allow the vessel to achieve a better fishing performance;
- Lower fuel consumption;
- Clean fishing, easier handling and an excellent knot stability;
- Extremely good abrasion properties.

Lankhorst Euronete Portugal is recognised for its quality, innovation and continuous investments in Research and Development of new products.

Euroline® and Euroline Premium® netting are products that confirm this fact. These are patented products and consequently only Euronete and its distributors are allowed to sell them.

Unfortunately, some companies with low morals and a disregard for fair play in the business have tried to copy our products with the intention of operating in the shadow of our success.

In the aquaculture industry, our Euroline® brand is the ideal alternative to nylon netting, which always been a very popular netting for this application and industry.

We endeavour to work very closely with the end user, especially in the Chilean market; the results achieved have proven extremely positive.

This exchange of experience and investigation has contributed greatly to improve our service. New products have been developed and applied in fish farm mooring systems, offering a higher level of security to the installations.



Production at Lankhorst Euronete Portugal

With respect to the netting, normal products such as nylon and polyester have been replaced by our Euroline® netting with very positive results and proven definite lower costs.

In the Tuna market, Lankhorst Euronete Portugal has recently closed a new contract with one of the major Tuna companies in Spain for a complete nylon purse seine net.

The year 2014 will also be a challenge for us regarding the start of knotless netting production. In our production unit located in Maia, a new net loom, unique in the world, will start producing this year. We feel very proud of this new challenge as it is the result of a very big project that will confirm our position as the market leader.

Last but not least, we should never forget the valuable contribution from our employees and customers whom we are grateful to. After all, they are the reason for our success.



Euroline Premium® netting



LANKHORST ROPES



Integrated Synthetic and Steel Wire Rope Supply

Lankhorst Ropes Maritime Division offers a completely integrated source of synthetic rope and steel wire supply for global maritime operators.

As a member of the WireCo WorldGroup, the world's leading manufacturer of steel wire ropes, it is able to supply wire ropes direct from WireCo factories in Germany, US, Mexico, Portugal, and Poland.

The immediate benefit to customers is Lankhorst's ability to serve as a one-stop shop

for all its maritime customers' synthetic and steel wire requirements, and enhanced capability in crane ropes. In addition, Lankhorst Ropes global stock point network now features increased stocks of wire ropes.

Steven Wardenier, commercial director Lankhorst Ropes: "Until



Steel wire rope

now, our manufacturing and innovation have been largely focused on synthetic ropes, reflecting our heritage. Now we have direct access to a very

large steel wire manufacturing resource and leading wire rope brands: high performance Casar ropes, Oliveira and general purpose ropes from Drumet."

Training for Longer Lasting Ropes

Synthetic fibre mooring and towing ropes are highly engineered components that reward careful handling with safe and efficient service. Lankhorst Ropes believes that crew training is essential to ensure both maximum rope service life and safety in the use of synthetic fibre ropes. The company regularly provides training courses either at its Dordrecht facility in the Netherlands or at a customer's office / vessel.

Our man in Dordrecht...

Renzo Romano is a key member of the synthetic rope training team based in Dordrecht. Renzo, Lankhorst's Master Splicer, joined Lankhorst 19 years ago. "Working with both synthetic rope and steel wire rope over the years has given me a comprehensive knowledge of Lankhorst's wide product range", he says.

splice the Lankhorst way. I teach new people just starting at Lankhorst, as well as going on board our customers' vessels to train their crews. For some rope users I will be the only person from Lankhorst they meet, it is therefore a privilege for me to represent our company and demonstrate its professional approach to rope training.

"Over the years developments have brought new synthetic ropes, including Strongline and Lanko®force, new splicing methods and the ability to produce our own steel wire ropes, but the highlight has to be the development of the Seatrade Innovation Award winning A3 splice".

On his current role Renzo notes "It makes me happy to pass on my knowledge and educate people on how to

Travelling with Lankhorst has taken me around the world, helping me to learn two foreign languages and discover new cultures. Training our customers' crews is extremely rewarding

as they are all very eager to learn how they can improve their inspection and repair of synthetic ropes. It is also a pleasure to make so many new friends among those who sail the oceans.



Renzo Romano at a training in Vietnam



Renzo Romano at a rope training in the Middle East

Further to teaching, I also spend my time supervising the installation of new ropes on board vessels where customers require someone trained by Lankhorst to observe. I have worked on a variety of vessels from tugboats to container vessels and cruise liners. On-site assignments are always challenging but also bring the greatest reward, a happy customer!"

LANKHORST EURONETE BRASIL

Lankhorst Euronete Brasil makes Waves with Historic Sale

Lankhorst Euronete Brasil (LEB), a subsidiary of WireCo® WorldGroup based in Queimados, Rio de Janeiro (Brazil) and specializing in the manufacturing of synthetic ropes for the offshore and maritime markets, has entered into a contract with SOFEC, Inc., to provide the complete supply of polyester lines for the mooring of FPSO Cidade de Itaguaí MV26.

SOFEC, a subsidiary of MODEC, Inc., has awarded LEB to produce the polyester spread mooring system based on LEB's Cabral 512® production technology which will be installed at a water depth of 2,240 meters.

The FPSO will be deployed to the Iracema Norte area of the BM-S-11 block off the coast of Brazil in the fourth quarter of 2015, located approximately 300 km south of Rio de Janeiro. The oil is contained in the pre-salt layer at approximately 5,000 meters beneath the seabed. The processing capability will be 150,000 barrels of oil per day, 280 MM standard cubic feet

of gas per day and a storage capacity of 1,600,000 barrels of total fluids.

"This new contract with SOFEC confirms our ability to supply the Brazilian market with a high degree of technical and logistical advantages to our clients in Brazil" comments Rui Faria, Managing Director of LEB, "also strengthening our position as world market leaders in the production of deep water mooring fibre ropes."

The supply contract includes about 75,000 meters of Cabral 512®, with 1,200 tons of minimum breaking load.

Lankhorst Euronete Brasil (LEB), a WireCo® WorldGroup brand, specialises in the development and production of ropes for the maritime and offshore industry and is a leading supplier in many shipping and offshore markets throughout the world.



Cabral 512® ready for shipment

EXHIBITIONS 2014

LANKHORST ROPES

26 – 27 February	SMM Istanbul (TUR)
5 – 8 May	OTC Houston (USA)
13- 15 May	CSI Gorinchem (NL)
16 – 20 June	ITS Hamburg (DEU)

LANKHORST ENGINEERED PRODUCTS

4 – 6 March	Subsea Tieback, San Antonio (USA)
8 – 10 April	MCEDD, Madrid (ES)
5 – 8 May	OTC Houston (USA)
8 – 13 June	OMAE San Francisco (USA)

LANKHORST EURONETE PORTUGAL

21 – 23 May	Tuna 2014 Bangkok (THA)
19 – 22 August	Norfishing 2014 (NO)

LANKHORST PURE COMPOSITES / YARNS

11 – 13 March	JEC Europe, Paris (F)
10 – 12 June	Hortitech Amsterdam (NL)



Lankhorst Engineered Products at Infrarelatiedagen in Hardenberg (NL)

FROM THE EDITORS

The next edition of Lankhorst Euronete News will be published in June 2014.

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