

BLUE OCEAN[®]

Marlow Ropes' manifesto for
environmental and sustainable change



BLUE OCEAN® is the overarching trademarked brand and 'face of' Marlow's actions and commitment towards achieving objectives outlined in its Environmental Policy across the entire company. As a brand, **BLUE OCEAN®** gives a 'seal of approval' on specific products that have been developed and manufactured using sustainable materials, and with Marlow's Environmental objectives in mind.

BLUE OCEAN® is Marlow Ropes' sustainably manufactured product line, collective actions and company commitment towards achieving its environmental and sustainability objectives outlined in the company's environmental policy.

For Marlow's customers and stakeholders, the **BLUE OCEAN®** brand provides assurance of our on-going commitment and mission to conduct our operations and production within an environmentally conscious measured framework.

This environmental & sustainable mission has been developed within the following **BLUE** principles framework. For Marlow, being **BLUE** means:

B BEING PROACTIVE AND MEASURED IN OUR COMMITMENT TO REDUCING AND ELIMINATING OUR NEGATIVE ENVIRONMENTAL IMPACT.

L LESS IS MORE. CONTINUING OUR QUEST FOR LESS ENERGY, LESS PLASTICS, LESS WASTE, LESS CARBON AND LESS EMISSIONS.

U USING OUR GLOBAL POSITION AS A MARKET LEADER AND AUTHORITY IN ROPE MANUFACTURING TO BE A KEY ADVOCATE FOR SUSTAINABLE CHANGE ACROSS THE ROPE INDUSTRY.

E EDUCATING OURSELVES AND OUR STAKEHOLDERS TO DO BETTER, BE BETTER AND ACT RESPONSIBLY IN ALL AREAS OF OUR BUSINESS.



MARLOW HAVE WORKED HARD OVER THE LAST COUPLE OF YEARS TO ELIMINATE AS MUCH WASTE AND SINGLE-USE PLASTIC FROM OUR ROPE RANGES AND CONTINUE TO LOOK AT BIO-BASED MATERIALS TO HELP US ACHIEVE OUR SUSTAINABILITY GOALS. WE ARE PROUD TO BE MAKING SIGNIFICANT CHANGES IN THE ROPE-MAKING INDUSTRY."

JON MITCHELL, MANAGING DIRECTOR

BLUE OCEAN® PRODUCTS



BLUE OCEAN® YARN

Marlow's **BLUE OCEAN®** yarn is GRS certified and manufactured from 100% recycled waste plastic bottles collected from disposal units.

The bottles are manufactured into recycled polyester (rPET) to produce a yarn which has the same specifications and technical characteristics as polyester yarn manufactured using virgin feedstock.

Provided it has not been mixed with any other chemicals or fibre materials, **BLUE OCEAN®** yarn can be recycled again at the end of its life, therefore aiding a circular economy.

ACCESS STATIC LINES

CE certified, NFPA approved **BLUE OCEAN®** Static rope launching in 2021.

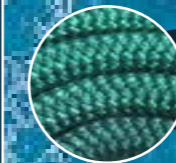
YACHTING WITH BLUE OCEAN®

Since the launch of the award-winning **BLUE OCEAN®** Dockline in 2018, Marlow has been working hard to innovate, develop and educate the global sailing community about the materials we use in our rope-making to achieve the best quality and performance.

Our thirst for innovation means that Marlow are the first rope-maker in the Leisure Marine industry to introduce rope products made from recycled and sustainably sourced materials that don't compromise on performance.

Marlow's ability to innovate has driven our sustainability initiatives, and now, with the switch to bio-based Dyneema® fibre used across our standard Leisure Marine product range alongside the introduction of our **BLUE OCEAN®** yarn, we are proud that 52% of Marlow's Leisure Marine product range is now manufactured using sustainable materials.

TREE WORKING LINES WITH BLUE OCEAN®



The **BLUE OCEAN® RAPTOR** lowering line made from 100% recycled waste plastic bottles is available in four different colour coded diameters. Launched in Spring 2020.

The **BLUE OCEAN® GECKO** 13mm climbing rope has a 16 plait cover manufactured with yarn made from 100% recycled waste plastic bottles. Launched in Spring 2020.



The **BLUE OCEAN® BOA** Accessory Cord has a hardwearing, 16 plait cover, manufactured with yarn made 100% recycled waste plastic bottles. Launched in Autumn 2020.



BLUE OCEAN® MATERIALS & PACKAGING

Marlow aims to introduce sustainable materials, aiming for 100% reliance on recycled and sustainable materials by 2030.



SINCE MARLOW INTRODUCED BLUE OCEAN® & BIO-BASED DYNEEMA® FIBRES 52% OF MARLOW'S LEISURE MARINE & 15% OF MARLOW'S ARBORICULTURE PRODUCT RANGES ARE NOW MANUFACTURED USING SUSTAINABLE MATERIALS



FROM 2019 MARLOW EITHER ELIMINATED THE NEED OR SWITCHED TO USING BIO-BASED SUGAR CANE RECYCLABLE PLASTIC PACKAGING ACROSS PACKAGING & SHIPPING SUPPLIES



ALL OF MARLOW'S PROMOTIONAL MERCHANDISE ITEMS EITHER HAVE A LONG TERM PURPOSE OR ARE SUSTAINABLY MANUFACTURED



FROM 2018 MARLOW HAVE ENSURED THAT ALL CARD AND PAPER USED IN PACKAGING, SHIPPING AND MARKETING IS SUSTAINABLY SOURCED AND FSC CERTIFIED



WHAT IS BIO-BASED DYNEEMA®?

Bio-based Dyneema® fibre reduces reliance on fossil fuel based resources by using feedstock from waste in the pulp and timber industry to create its polyethylene fibre.

Now used across Marlow's standard Leisure Marine range in products manufactured with SK78, SK99 and DM20 HMPE yarn, bio-based Dyneema® fibre will enable industries to reduce their carbon footprint while maintaining the same trusted performance.



Marlow eliminated the need for most plastic packaging in 2019 and introduced Polyair™ bio-based recyclable plastic packaging in 2020 in areas where plastic is still required to either preserve or protect the product.

Made from sugar cane waste, Polyair™ is carbon neutral and 100% recyclable. It is seen as proactively green as it is derived entirely from an organic product, capturing CO2 from the atmosphere whilst it is growing.

Polyair™ is recycled as LDPE 04 (low density polyethylene).

BLUE OCEAN® CARBON MEASURING & OFFSETTING

Marlow aims to reduce its carbon footprint through energy reduction, collaboration with suppliers and embracing technology to change the way we work. We will balance harder to reduce carbon emissions and achieve a carbon balanced state by the end of 2025.

97%*
REDUCTION IN CARBON EMISSIONS AS A RESULT OF SWITCHING TO SEA FREIGHT FOR SHIPMENTS TO THE USA. THIS HAS RESULTED IN AN OVERALL 24% CARBON EMISSION REDUCTION *PER SHIPMENT



SINCE 2018 MARLOW'S SWITCH TO LED LIGHTING HAS REDUCED ELECTRICITY CONSUMPTION BY OVER 20%


70t
OF CO2 EMISSIONS HAVE BEEN SAVED AS A RESULT OF MARLOW'S WORKFORCE REDUCING AIR TRAVEL IN 2020



MARLOW HAS INTRODUCED HYBRID VEHICLES AS PART OF THE COMPANY VEHICLE FLEET

BLUE OCEAN® ENERGY EFFICIENCY

Marlow aims to ensure that 100% of electrical energy used is certified from renewable sources by end of 2020.



IN 2020, OUR COMMITMENT TO A RENEWABLE ELECTRICITY SUPPLY HAS REDUCED ANNUAL CARBON EMISSIONS BY 171 TONNES CO2



GAS IS A VITAL RESOURCE THAT MARLOW NEEDS FOR MANUFACTURING AND TO ENSURE THE HEALTH AND SAFETY OF EMPLOYEES. IN 2020 WE STARTED TO EXPLORE OPPORTUNITIES TO OFFSET GAS CONSUMPTION WITH AN OFFSETTING PROGRAMME.



BLUE OCEAN® WASTE & RECYCLING

In 2020, Marlow aims to reduce waste yarn and over runs from the production process to less than 2% of the total material used and to ensure that at least 70% of Marlow's postproduction fibre waste is recycled.

MARLOW'S INITIATIVES TO MEET THIS OBJECTIVE INCLUDES:

- REVIEW (AND UPDATE WHERE NECESSARY) OF MANUFACTURING SPECIFICATIONS TO ELIMINATE OVER-PRODUCTION
- INCREASED EMPHASIS ON EMPLOYEE LED QUALITY CONTROL AND CONTINUOUS IMPROVEMENT TO ELIMINATE WASTE BY SPECIFICATION OR MANUFACTURING ERROR
- PURCHASE OF NEW MORE EFFICIENT AND ACCURATE ROPE-MAKING MACHINERY TO REPLACE OLD MACHINERY
- BROADENING THE RANGE OF MATERIALS THAT WE SEPARATE AND COLLECT FOR RECYCLING.



MARLOW CURRENTLY RECYCLES:

POLYESTER YARN
NATURAL & BLACK ARAMID
WHITE & SPUN NYLON
PBO (ZYLON®)
HMPE
(HIGH MODULUS POLYETHYLENE)



IN 2019 MARLOW'S WASTE & RECYCLING EFFORTS INCREASED AND WE REDUCED WASTE YARN & PRODUCTION OVER RUNS BY 3% & RECYCLED 50% OF FIBRE WASTE.

BY THE END OF 2020 WE ARE AIMING FOR EVEN GREATER RESULTS

In 2020 Marlow donated ropes to The Maritime Volunteer Service who were involved in a project to clear plastic debris from uninhabitable areas of coastline along England's Sussex Coast.

DID YOU KNOW?

MARLOW'S ARAMID WASTE IS RECYCLED INTO VEHICLE BRAKE PADS

CHARITY - EDUCATION - ENRICHMENT

- MARLOW DONATES ROPE OVER-RUNS FOR ANIMAL & WILDLIFE RESCUE CENTRES ENRICHMENT PROGRAMMES SUCH AS RAYSTEDE ANIMAL SANCTUARY, MONKEY WORLD, THE RSPCA & CATS PROTECTION.
- LOOSE HANKS & OVER-RUNS ARE DONATED FOR EDUCATIONAL PURPOSES TO SEA CADETS, SCOUT GROUPS, SAILING CLUBS AND FOR CHARITABLE SAILING EVENTS .
- WOODEN REELS & CARDBOARD TUBING ARE DONATED TO LOCAL SCHOOLS , NURSERIES & YOUTH GROUPS

BLUE OCEAN® GUARDIANSHIP

To disseminate, validate, authorise and measure the commitment, actions and results that Marlow continues to take, we are investing in the following initiatives to help deliver Marlow's BLUE OCEAN® message for the betterment of all.



AIMING TO ACHIEVE ISO 14001:2015 CERTIFICATION (FOR EFFECTIVE ENVIRONMENTAL MANAGEMENT SYSTEMS) IN 2021



WORKING WITH PARTNERS ACROSS OUR MARKETS TO SPREAD THE BLUE OCEAN® MANIFESTO. IN PARTICULAR ECO-CONSCIOUS AMBASSADORS & ORGANISATIONS WHO SHARE SIMILAR SUSTAINABILITY GOALS, E.G OCEAN AND COASTLINE CLEAN UP EXERCISES, CARBON REDUCTION INITIATIVES AND LOCAL SCHOOL AND COMMUNITY GROUPS.



EDUCATING MARLOW'S WORLDWIDE CUSTOMERS, END USERS AND STAKEHOLDERS ABOUT THE BLUE OCEAN® MANIFESTO THROUGH VARIOUS MARKETING & COMMUNICATIONS ACTIVITIES AND MEDIA CHANNELS



MARLOW'S HERITAGE AND GLOBAL REPUTATION IN ROPE MANUFACTURING GIVES US A VOICE TO ENCOURAGE SUSTAINABLE CHANGE IN THE INDUSTRY. KNOWLEDGE ACQUIRED THROUGH SELLING INTO A DIVERSE MARKETPLACE ENABLES US TO WORK WITH OTHER LEADERS OF INDUSTRY AND ROPE MANUFACTURING ASSOCIATIONS SUCH AS DSM, FIBREFX, IRATA'S ROPE ACCESS COMMITTEE (RAC) AND THE RNLI.

MARLOW'S ECO-CONSCIOUS AMBASSADORS



German sailor Boris Herrmann / Team Malizia are competing at the highest level in the Vendee Globe 2020 whilst using the platform to inspire action and change through outreach, awareness and highlighting solutions to the climate crisis.



The 11th Hour Racing Team is led by American offshore sailors Charlie Enright and Mark Towill. The team's mission is to win The Ocean Race 2021-22 with sustainability at the core of all operations.



The 2019-20-21 edition of the Clipper Race was marked with a shift towards a greener future with Blue Ocean® Dockline being used across the fleet of 70ft racing yachts.

VISIT [MARLOWROPES.COM/NEWS](https://www.marlowropes.com/news) FOR REGULAR ECO UPDATES & NEW AMBASSADOR ANNOUNCEMENTS

Marlow®

www.marlowropes.com/blue-ocean



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