



**GARWARE**  
TECHNICAL FIBRES

GTFL:SEC:2023

November 21, 2023

**BSE Limited**

Corporate Relationship Department,  
New Trading Ring,  
Rotunda Building, P. J. Towers,  
Dalal Street, Fort,  
Mumbai 400001.

(Company code: 509557)

**National Stock Exchange of India Ltd.**

Exchange Plaza, Plot No. C/1, 'G' Block,  
Bandra-Kurla Complex,  
Bandra East,  
Mumbai 400051.

(Symbol: GARFIBRES, Series: EQ)

**Sub:- Disclosure under Regulation 30 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015**

Dear Sirs,

Pursuant to the aforesaid Regulations, please find below the schedule of investor / analyst meeting / conference to be held as under.

Schedule of the Investor / Analyst Meet / Conference:

Date	Investor / Event	Mode of Meeting	Type of Meeting
November 24, 2023	Ambit Capital Private Ltd. - Analyst / Investor's conference	Physical	One-on-One / Group Meeting

Note: The above schedule is subject to change. Changes may happen due to exigencies.

A copy of the investor presentation to be made in the aforesaid meetings is enclosed for your reference and the same is also placed on the Company website i.e., [www.garwarefibres.com](http://www.garwarefibres.com).

The Company does not intend to discuss any Unpublished Price Sensitive Information during these interactions.

Please acknowledge this communications.

Thanking You,

Yours faithfully,

For **GARWARE TECHNICAL FIBRES LIMITED**

  
Sunil Agarwal  
Company Secretary  
M. No. FCS6407

**Registered Office**

**Garware Technical Fibres Ltd.** (Formerly Garware-Wall Ropes Ltd.): Plot No. 11, Block D-1, M.I.D.C., Chinchwad, Pune 411 019, India.  
T +91 20 2799 0000/0306 E [pune\\_admin@garwarefibres.com](mailto:pune_admin@garwarefibres.com) [www.garwarefibres.com](http://www.garwarefibres.com) CIN: L25209MH1976PLC018939

# Better Ideas in Action



**GARWARE**  
TECHNICAL FIBRES

[www.garwarefibres.com](http://www.garwarefibres.com)

# Garware Technical Fibres Limited – At a Glance

- Pioneer in Technical Textiles in India
- 5000+ workforce with presence in 75 countries
- Producing 80MT per day & operating with 20,000 SKUs
- In top 25 India's Best Workplaces in Manufacturing Sector 2023
- Well qualified R&D team of 22 scientists including 4 Doctorates

91

Patents filed

27

Granted



Best Companies  
To Work For™

Great  
Place  
To  
Work.

INDIA  
2023

## **Mission**

“To Provide innovative,  
application focused  
solutions to enhance value of our  
customers globally”



**GARWARE**  
TECHNICAL FIBRES



# Our Four Pillars of Value

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## Ownership

Own the process of delivering results with Entrepreneurial Spirit & Joy of working in an Empowering Environment

## Improve

Continuously Improve our Products & Services to become preferred Partner of our Customers

## Bond

Enhance our Family Bond with the Employees & Business Partners through Fair & Equitable dealings

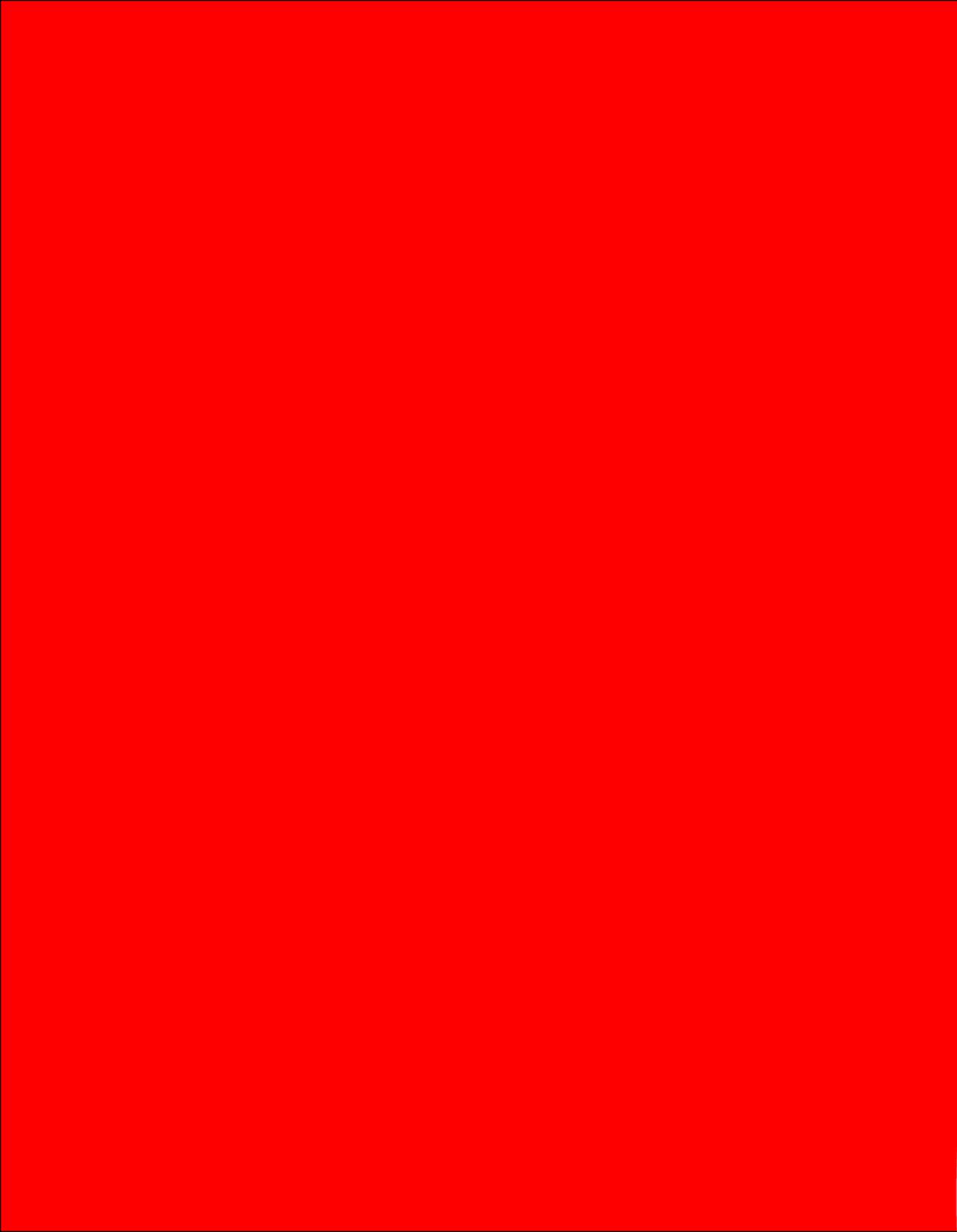
## Enhance

Enhance Stake Holder Value through Profitable Growth in Sales and Earnings

# Global Presence

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**GTFL**

**Application Areas**

# Our Innovative, Application focused Solutions Portfolio...



Fisheries

- Fully assembled Trawls
- Purse Seine Nets
- Gill Nets
- Dole Nets
- Pelagic Nets
- Ropes & Twines



Aquaculture

- Cage Nets
- Predator protection Nets
- Anti Bird Nets
- Mooring System
- Sea Lice Solutions



Shipping & IPD

- 8 Strand Shipping Ropes
- 3 Strand Industrial Ropes
- Specialty Ropes
- 12 Strand Ropes
- Safety Nets
- Cargo Nets
- Braided Ropes
- Rope Articles



Sports

- Tennis Nets
- Volley Ball Nets
- Basket Ball Nets
- Ski Nets
- Cricket Nets
- Badminton Nets
- Golf Practice Nets
- Soccer Nets
- Batting Cages
- Handball Nets

# Our Innovative, Application focused Solutions Portfolio..



**Agriculture**

- Anti Bird Nets
- Anti Hail Nets
- Shade Nets
- Sericulture Nets
- Floriculture Nets
- Insect Nets
- Grape Nets
- Crop Support
- Stacking Cord
- Banana Ropes



**Geosynthetics**

- Reinforced Soil Structures
- Landfill
- Coastal & River Protection
- Rock fall Protection
- Gabion Walls
- Geosynthetics Lining
- Erosion Control



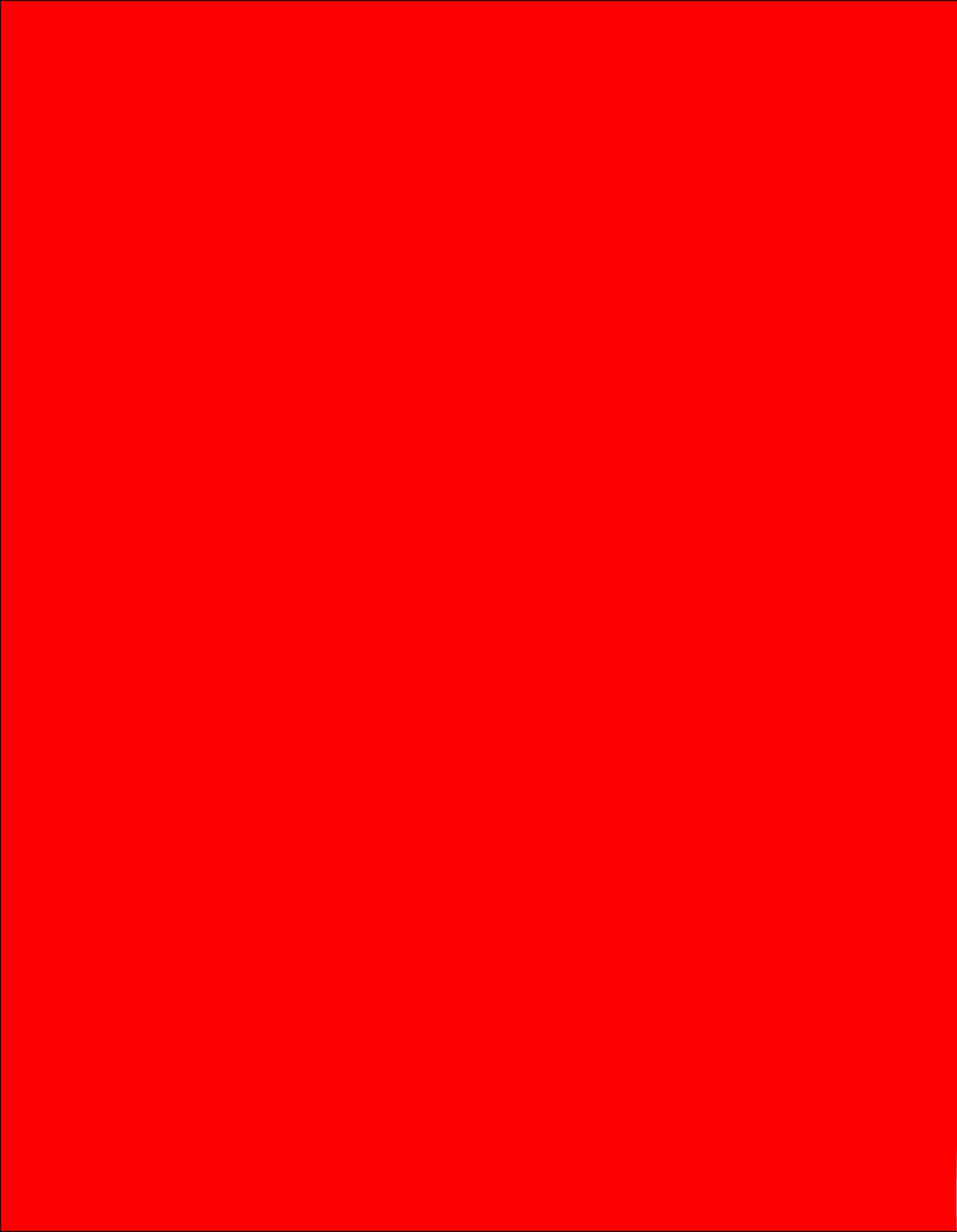
**Coated Fabrics**

- Tarpaulins
- Hanger Covers
- Awnings
- Inflatables
- Biogas Covers
- Tents
- Pandals
- Pitch Covers/ Ground Covers



**Plateena**

- Aquaculture Cage Nets
- Mooring & Towing Ropes
- Trawl Nets
- Purse Seine Nets
- Conductor Cable Pulling
- Hot Line Stringing
- River Cross Cable Pulling



**GTFL**

**Infrastructure**



## **Manufacturing facility at Wai is the largest unit in India and spread across 40 acres**

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Wai manufacturing facility conforms to ISO 9000:2015 and ISO 14001:2015 standards and boasts state-of-the-art machinery

### **Products**

Aquaculture Cage Nets  
Plateena (Dyneema)  
Fishing Nets & Twines  
Net Assembly

Sports &  
Adventure Nets  
Safety Nets

Agricultural Nets  
Coated Fabrics





## Manufacturing facility at Pune

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Pune manufacturing facility conforms to ISO 9000:2015 standards and boasts state-of-the-art machinery

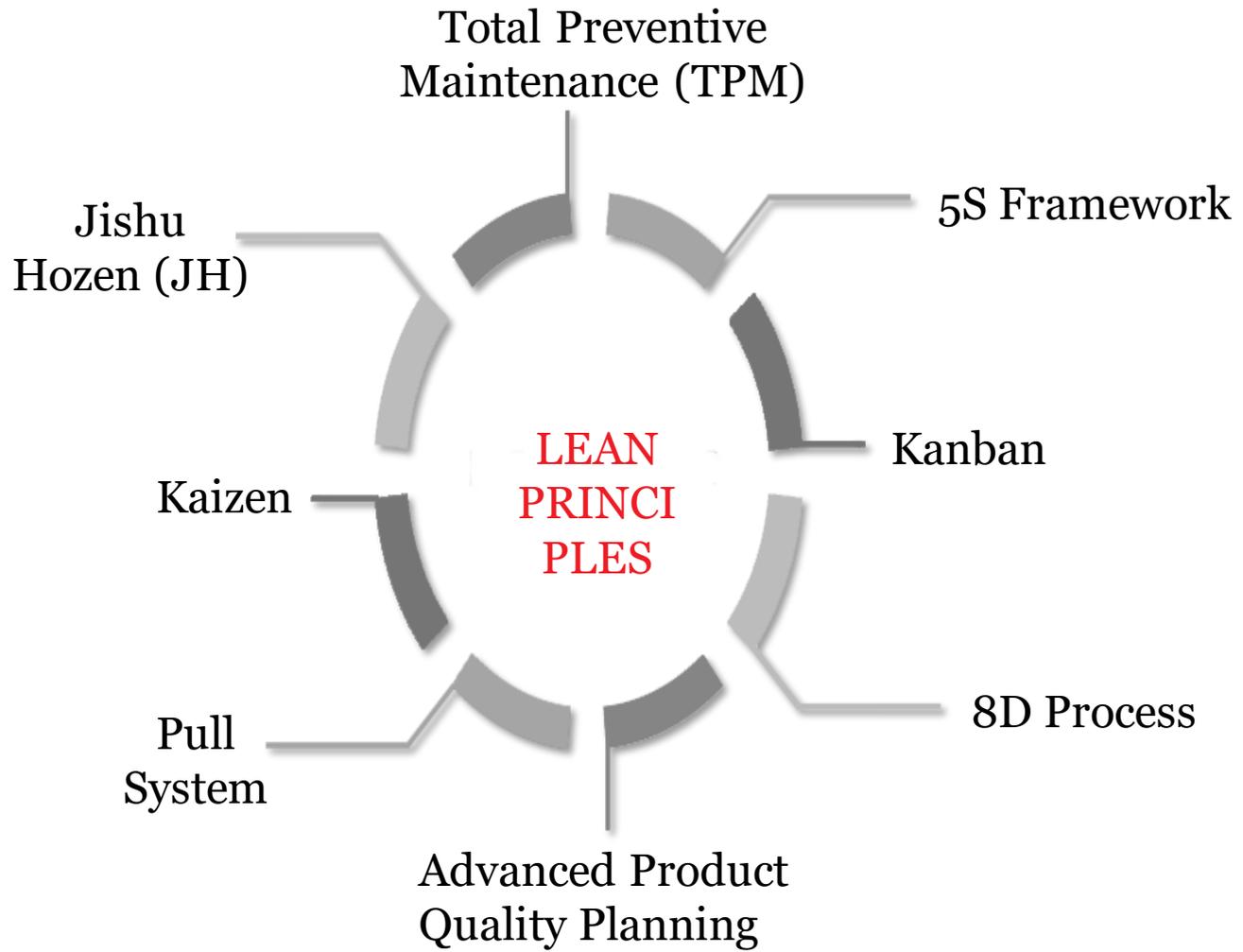
### Products

Ropes  
Rope Articles  
PPMF Yarns

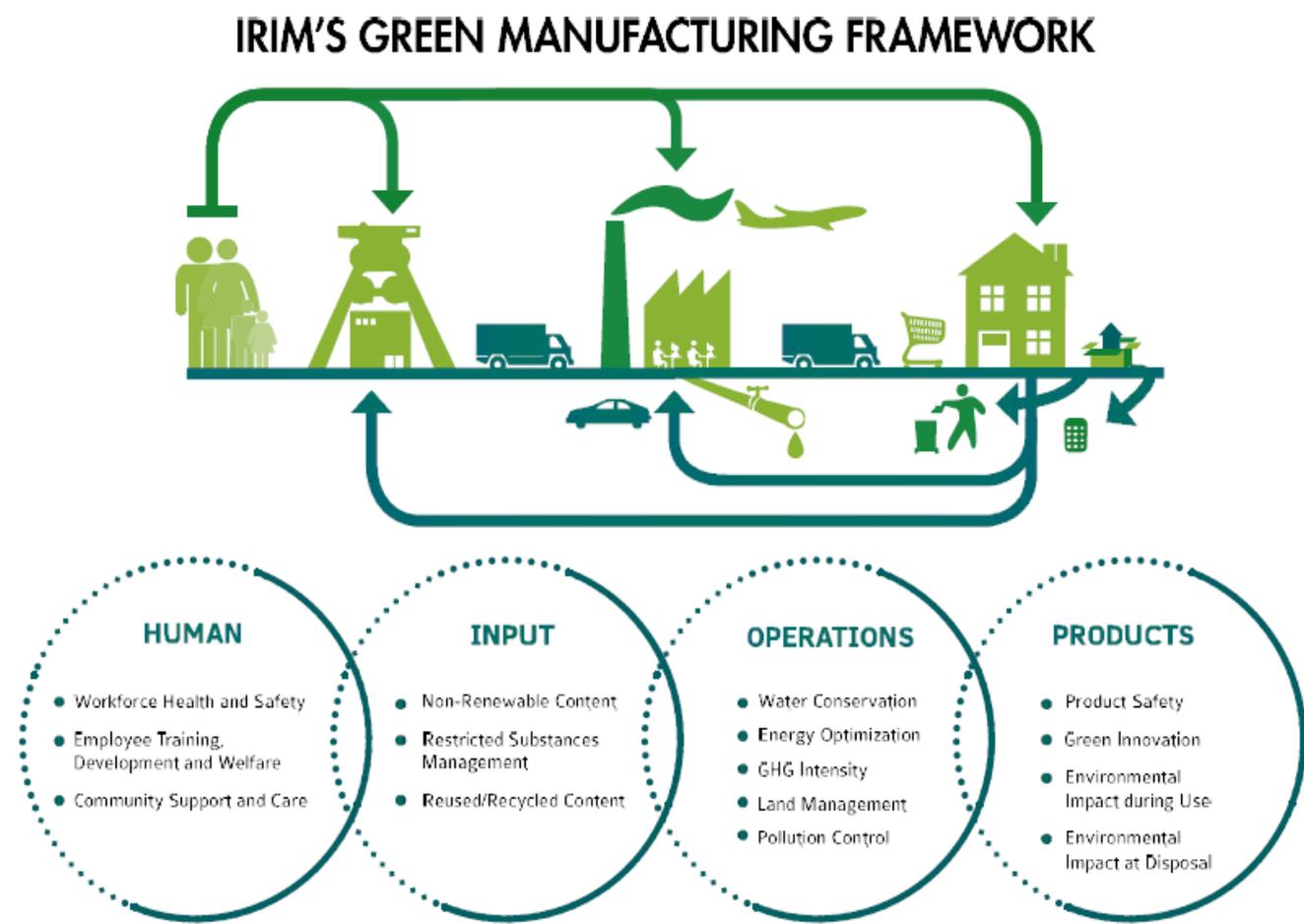
PPMF Twines  
Geo Textiles  
Metal Gabions

Cargo Nets  
Gangway Nets

# GTFL's Strong Focus on Manufacturing Excellence



## Silver award – India Green Manuf. Certification Challenge





# CSR Initiatives



Garware Technical Fibres since its inception has pursued a policy of working closely with society at large and has chosen to give back through involvement in the field of Education & Healthcare.

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**Garware Schools & Colleges enjoy high reputation among public in the state of Maharashtra, India**



## Happy Schools

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The company has so far identified and transformed more than 20 schools across Maharashtra under the project, touching the lives of more than 5000 students by providing an array of facilities at schools located in the rural locales which includes e-learning, water purification plants, science laboratories, computer laboratories, library and faculty rooms among others.

We are aiming to transform more than 100 schools thereby benefitting more than 20000 students in the next five years.



# Happy Schools



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**Installed an Endoscopy Unit at Jehangir Hospital, Pune, Maharashtra, India.**



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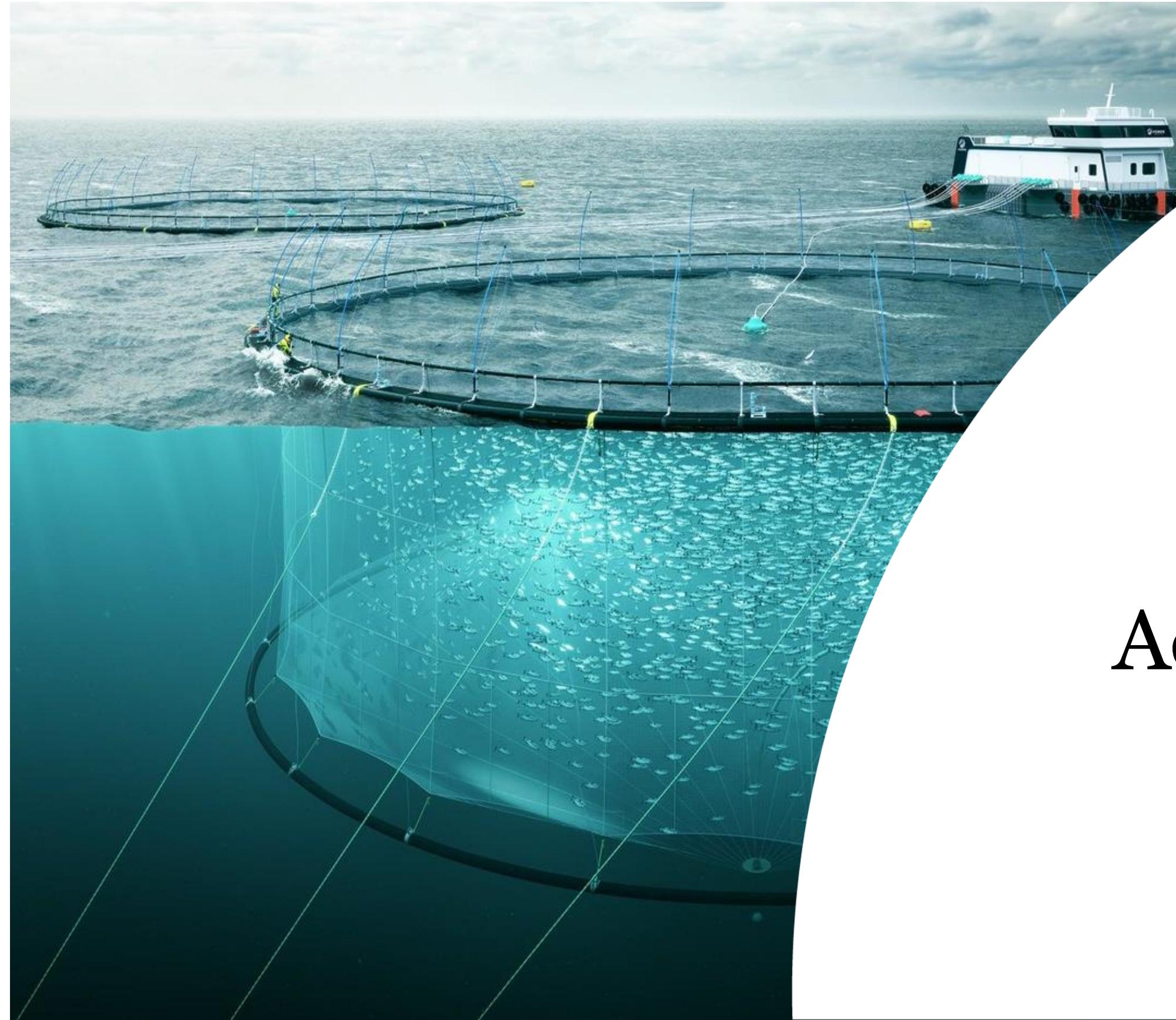
## **Tree Plantation Drives**

More than 50000+ trees have been planted by entire GTFL family

# Salmon Chile Mentoring & Dock Construction

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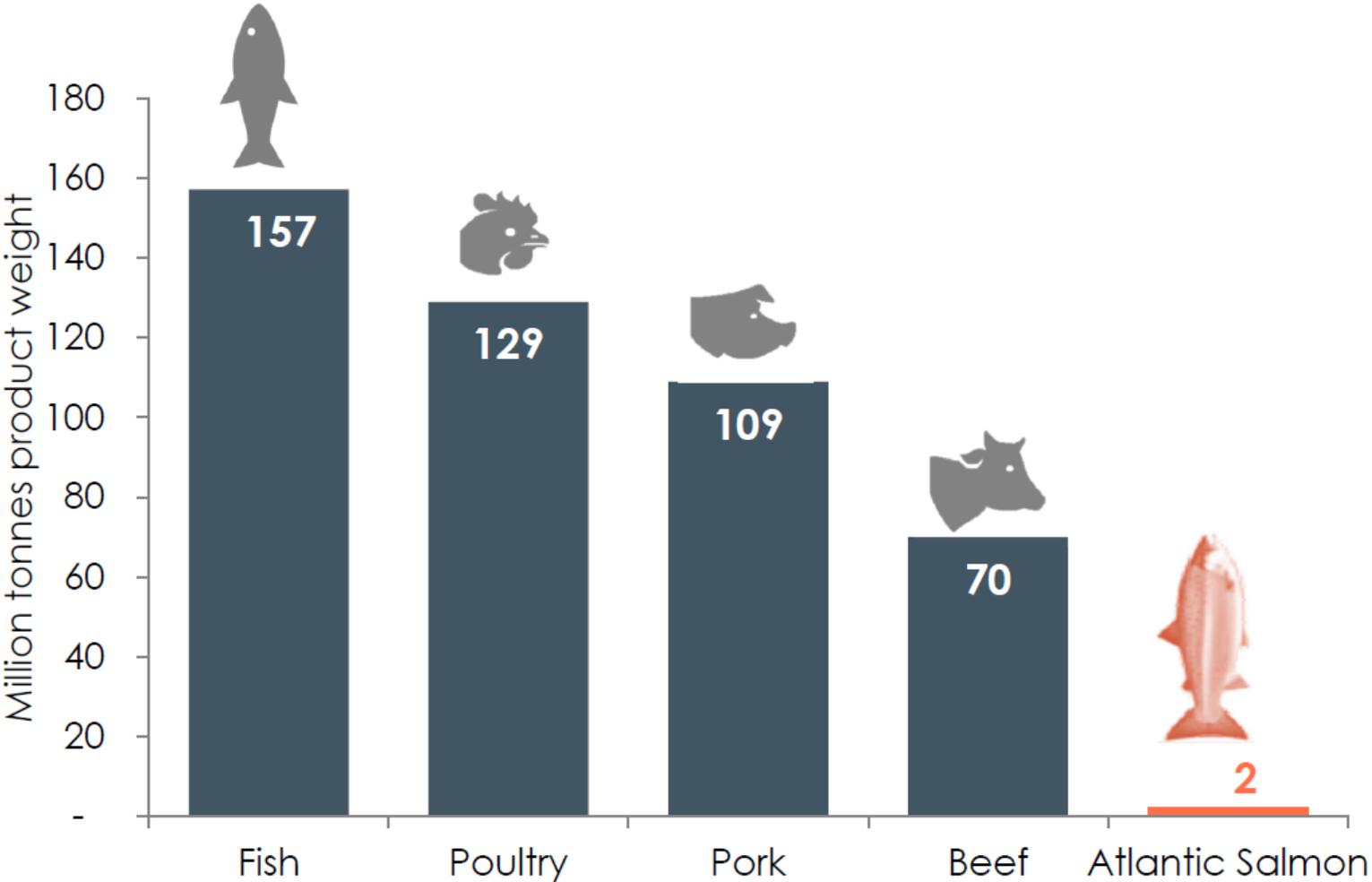


**GTFL**

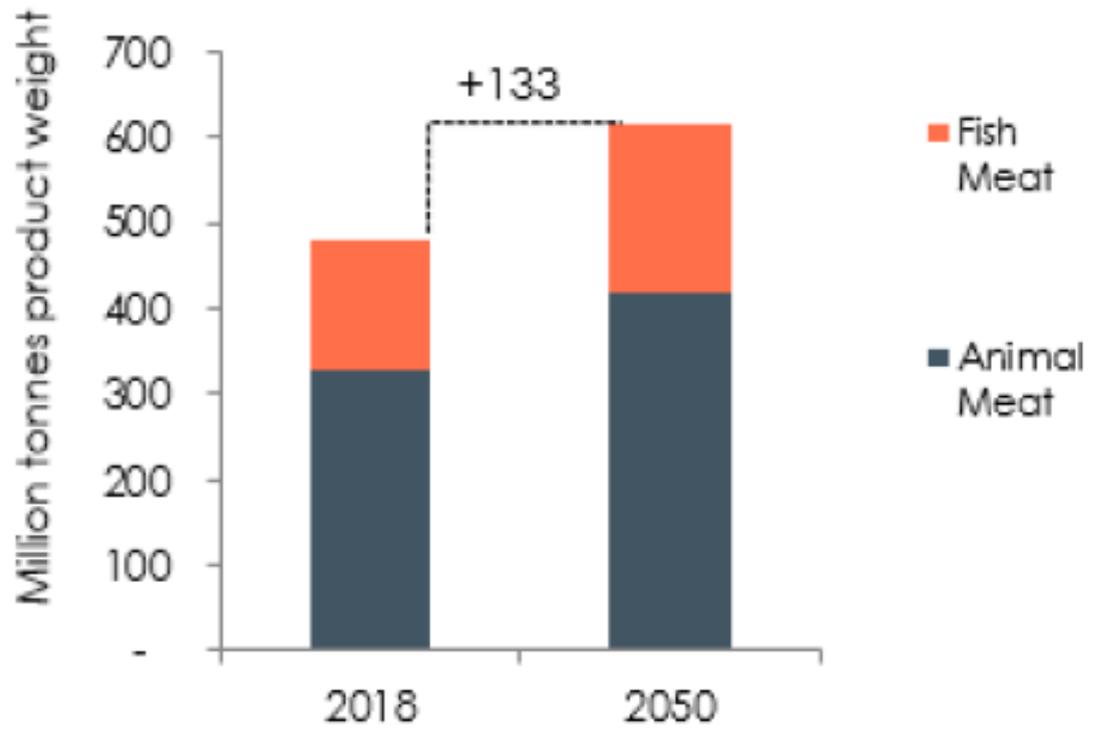
**Aquaculture  
Business**

# Protein consumption

Global protein consumption



Implied meat consumption driven by population growth only



# Salmon Prices Over the Last Few Years

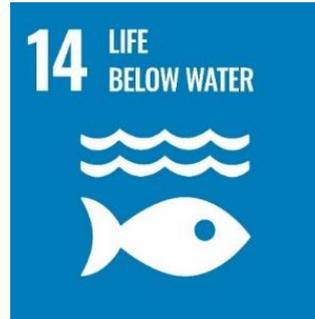
Salmon Prices (\$ per kg) since Jan 2013



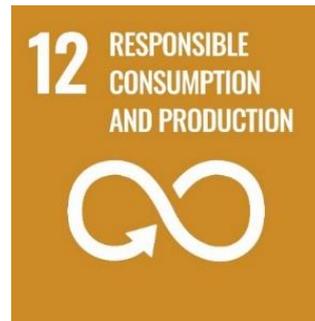
Salmon prices have increased from 2.5 USD per kg in 2013 to 8.93 USD per kg in Nov 2023

# HDPE Netting Solutions—

## Addressing Key Challenges



- Fish Escapes - New Regulation
- Bio Fouling Management
- Predation
- Reduction in Divers Time



- Lower environment footprint
- Sustainability

## Focus on Key Properties



- Strength retention over a longer period of time
- Stiffness



- **Innovative net solution to reduce divers time**



- Fouling resistance



- CO<sub>2</sub>, Micro plastic, Recycling

Aim to Support for Better **Fish Health and Growth**

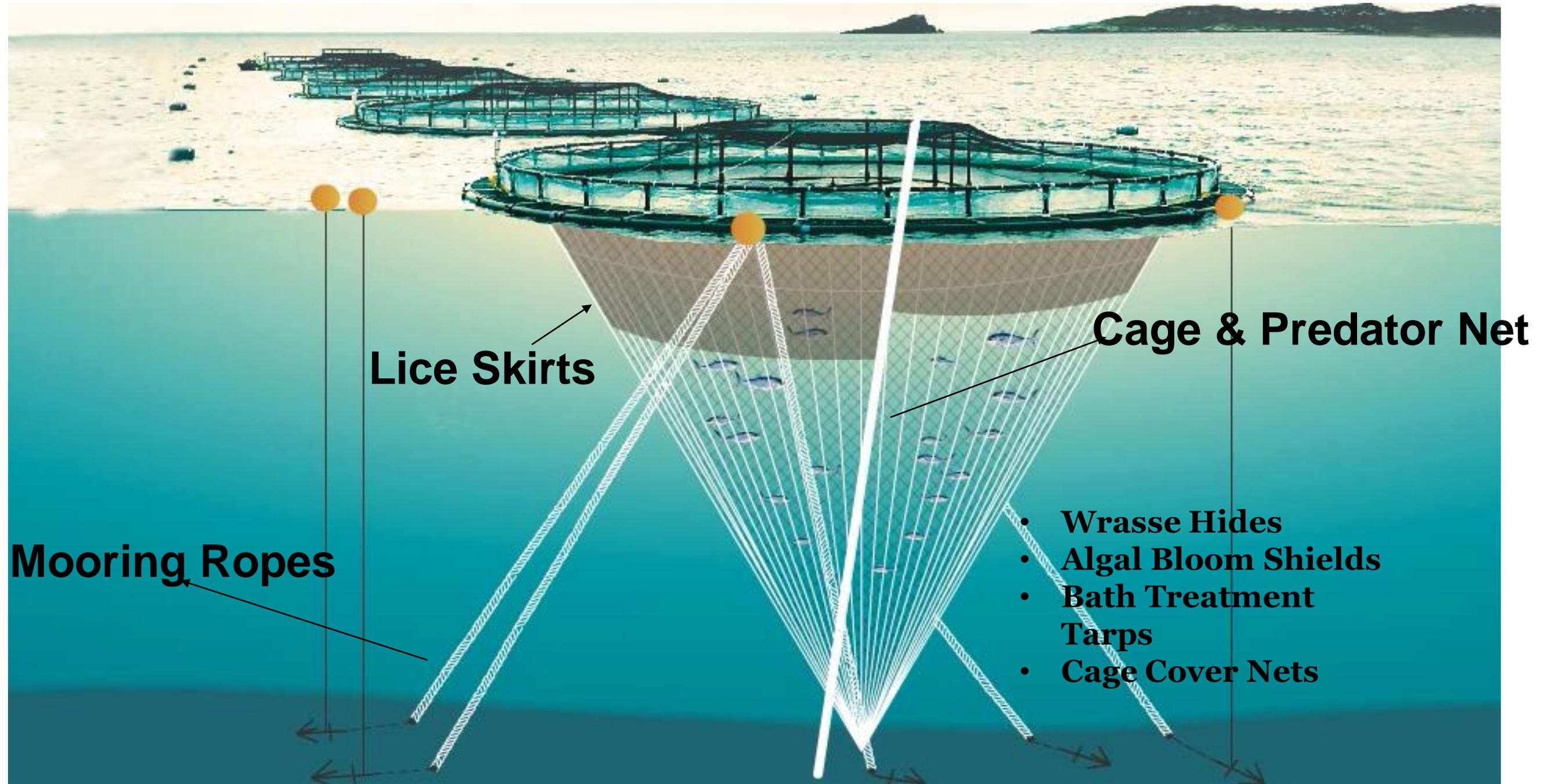
# Aquaculture

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- In farmed salmon aquaculture, each cage holds 800-1000 MT of salmon valued at USD 4-5 million (e.g. : 205m circumference \* 35m depth/ 163m circumference \* 55m depth)
- The cage nets used have to be extremely resilient to the currents, predators and also ensure no fish escape
- We are the No.1 supplier of cage for Salmon farming globally.



# Holding Salmon Farmer's most Valuable Asset



# Major Players in the industry

## MOWI

- Record-high revenue of EUR 1358.6 million (EUR 1257.1 million) on all-time high harvest volumes of 135 000 GWT (133 808 GWT) in Q3 2023
- Operational EBIT of EUR 203 million Q3 2023.
- Operational EBIT per kg for Norway EUR 2.15/kg (overall group EUR 1.5/kg)
- 2024 full year harvest volume guidance of record-breaking 500 000 GWT which is a new milestone for Mowi.

(EUR MILLION) YEAR	AMBITION	2022	2021	2020	2019	2018
<b>REVENUES &amp; COST</b>						
Revenue and other income	Profitable growth	4 940.8	4 202.2	3 760.2	4 135.6	3 811.9
Harvest volume of salmonids (GWT)	Growth > market	463 635	465 600	439 829	435 904	375 237
Value-added share of sales (salmon)	Increased long time share	54.9%	58.1%	56.4%	51.4%	50.9%
Cost in box (EUR/kg)	Leadership	5.09	4.47	4.37	4.26	4.12
Market price of salmon (EUR/kg)		7.95	5.68	5.00	5.79	6.19

# Major Players in the industry

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## SalMar

- Operating revenue Q3 2023- 7512 million NOK vs 4898 million NOK in Q3 2022.
- Operational EBIT for the group was NOK 2,300 million in Q3 2023. Total harvest was 78,100 tonnes.
- Operational EBIT per kg was NOK 29.5
- Sales and Industry continued its solid operational performance.
- The standing biomass in Norway at the end of the third quarter 2023 is estimated to be 3% higher than the end of third quarter 2022.
- For 2024 global supply growth is estimated to increase with 4.5 per cent.

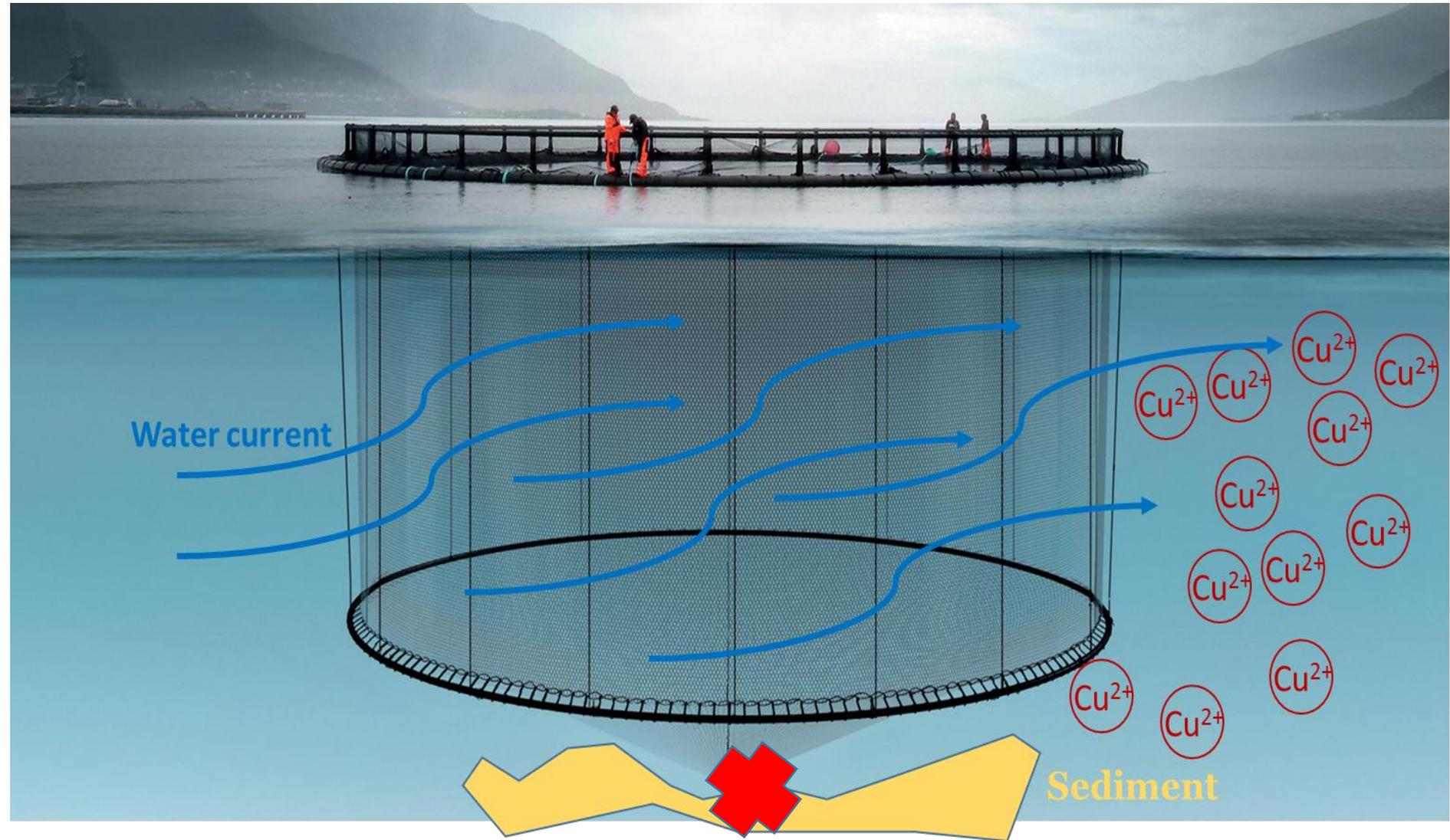
NOK 1,000	Note	2022	2021
Revenues from contracts with customers	2.2	20,070,115	14,971,988
Other operating revenues	2.2	88,164	71,957
<b>Total operating revenues</b>		<b>20,158,279</b>	<b>15,043,945</b>

Better Ideas in Action

**Biofouling Management**

[www.garwarefibres.com](http://www.garwarefibres.com)

# Key Challenges – Bio Fouling and Copper Sedimentation

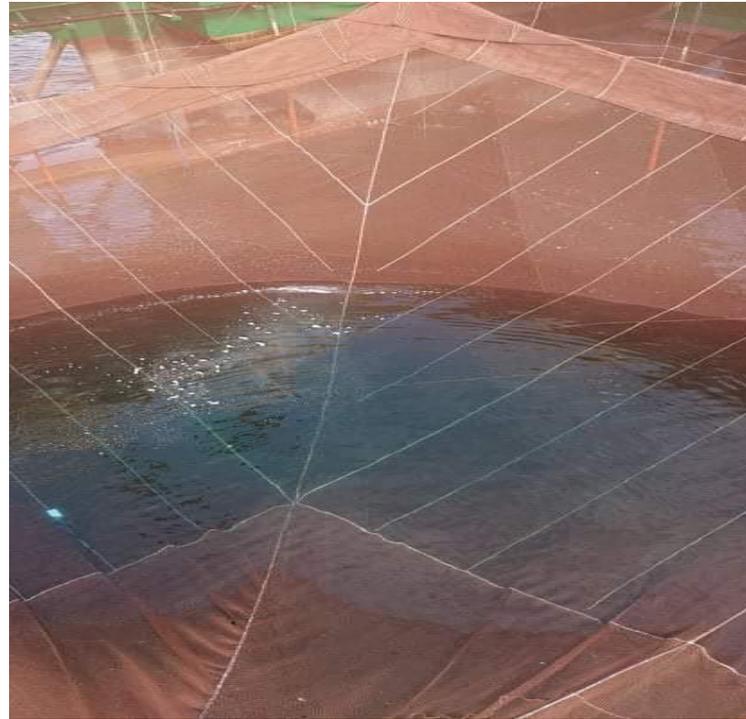


# Top

## Challenges in Aquaculture

- Causing an annual release of more than 1000 Tons of copper into Norwegian waters alone.
- This is added with current high cost of cleaning operation during the production cycle.
- Frequent net cleaning causes loss of appetite leading to reduced biomass growth

# V2 Nets – Project

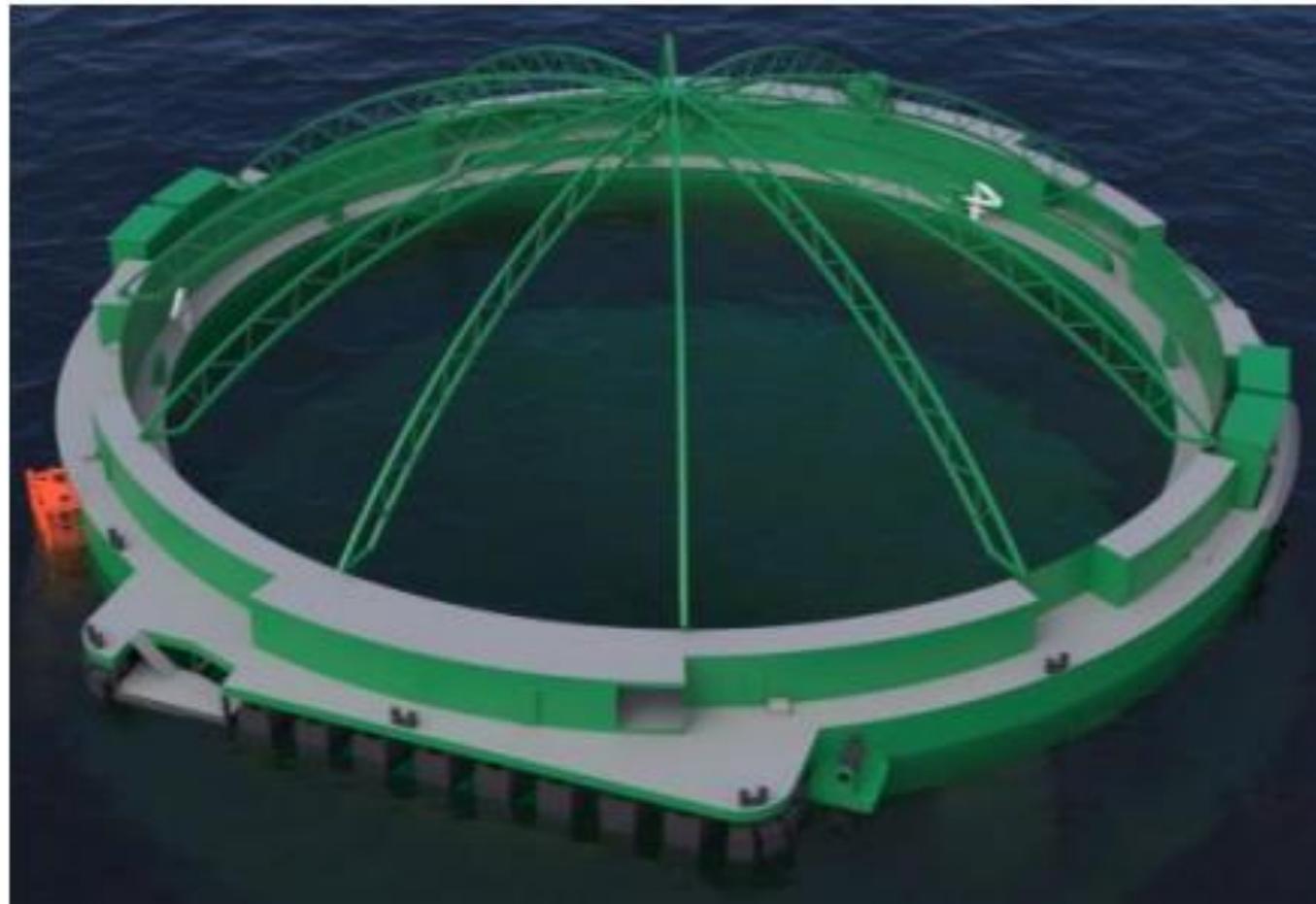


## V2 nets

- Net Cleaner video shows less fouling and being cleaned efficiently
- Overall farm team is happy



# V2 Nets – Now at New Project



 After success of 1<sup>st</sup> V2 Net at project, customer decided the same for new project

 Currently under production for supply

# V2 Nets – Customer at Norway



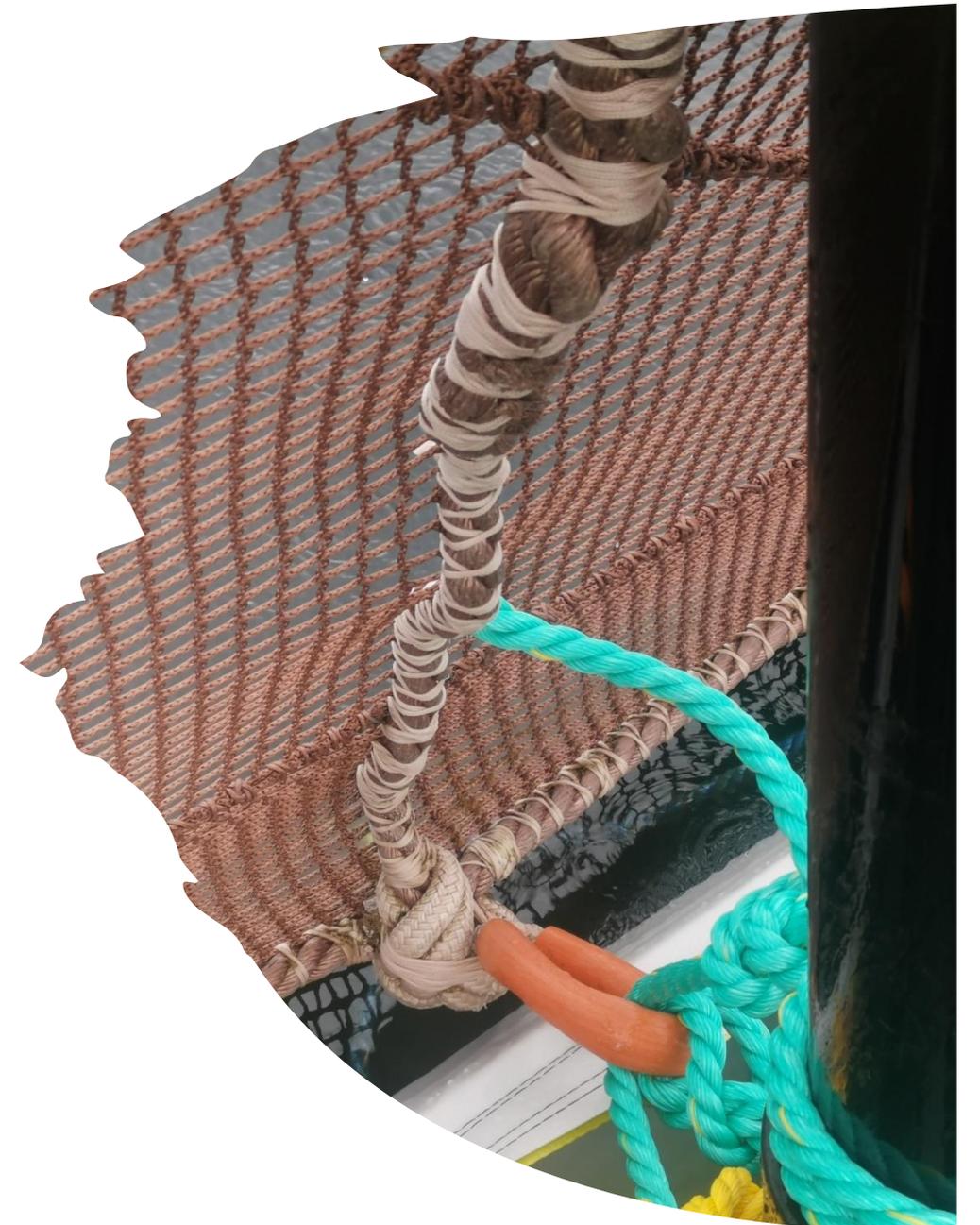
Site manager feedback – All nets has good shape, and mortalities finds its way up to LiftUP.



Service Company feedback – Easy to handle and install



Customer Team – Nice, tight and firm shape in high currents also



Better Ideas in Action

Predator Cage  
Solutions

# Predator attacks – growing concern



**Blue fin tunas are blasting their way through salmon nets**

News by editorial staff - 4 October 2018

The sea beasts burst through steel strong nets at not one but two salmon farms.

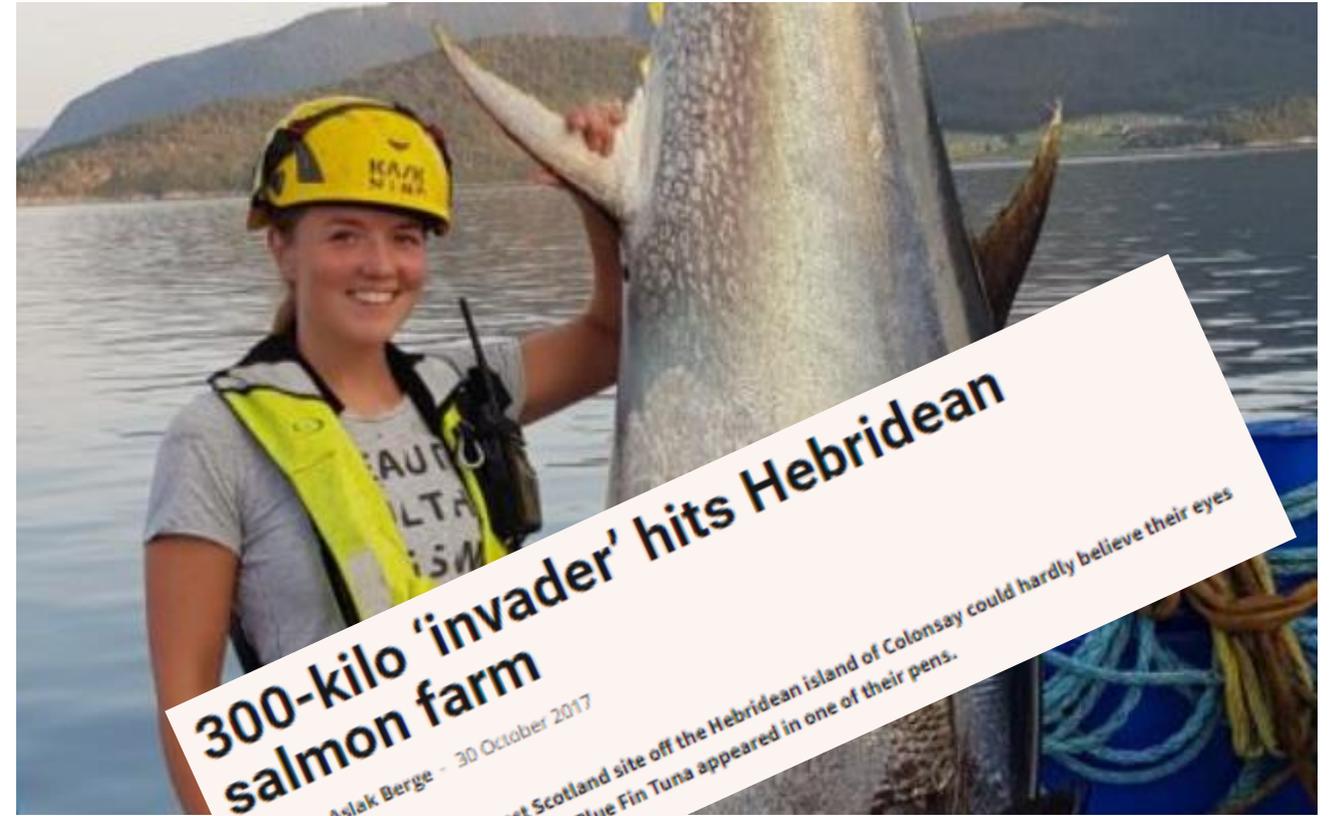
**250 kg bluefin tuna caught in fish cage: Here is Lingalaks' big catch**

News by Aslak Berge - 5 September 2021

**Bluefin tuna caught in salmon pen**

News by Aslak Berge - 3 September 2021

A bluefin tuna is reported to have broken through the net at one of Lingalaks' salmon pens in Bømlo municipality in Norway.



**300-kilo 'invader' hits Hebridean salmon farm**

News by Aslak Berge - 30 October 2017

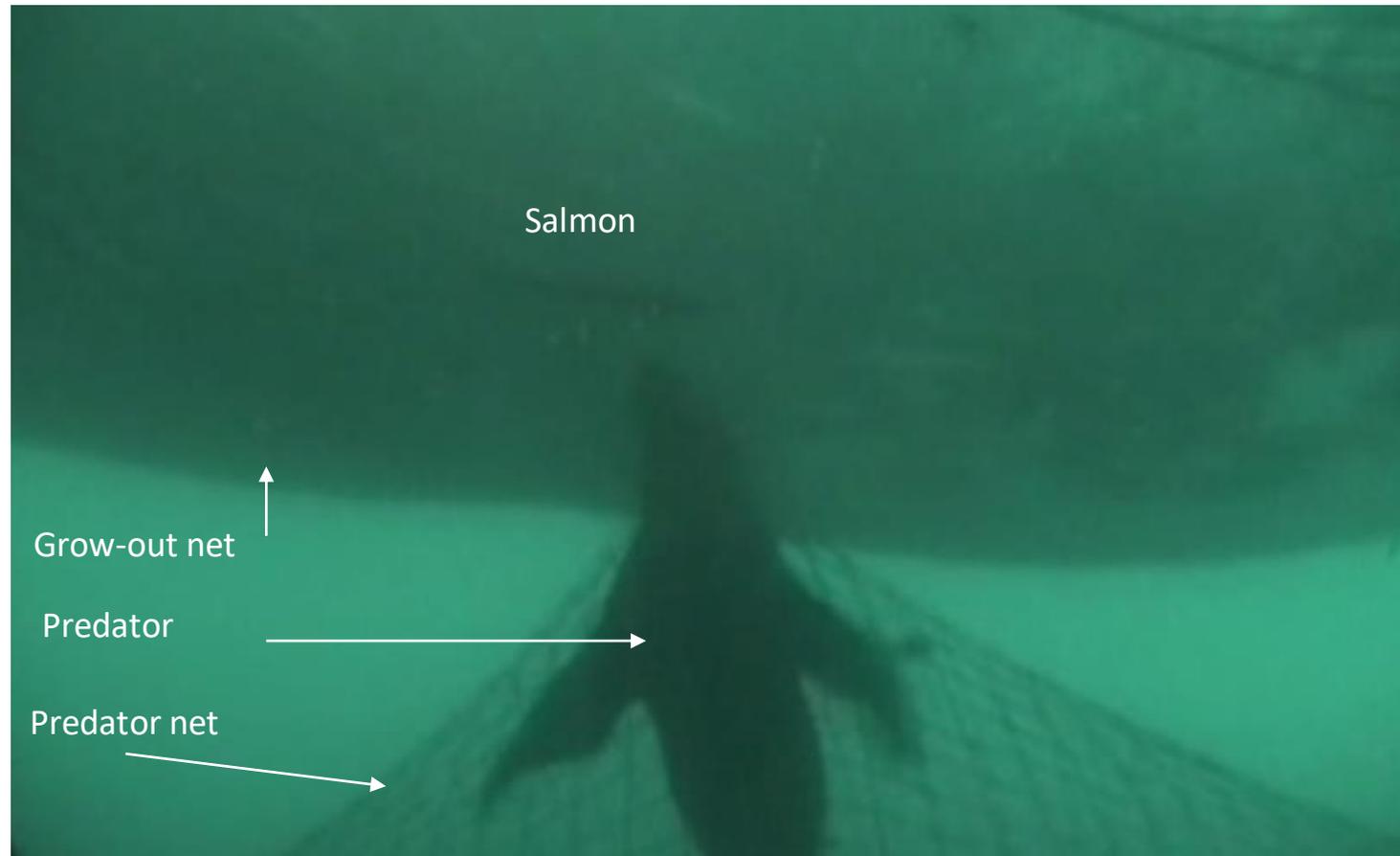
Workers on a Marine Harvest Scotland site off the Hebridean island of Colonsay could hardly believe their eyes when a three-meter-long Pacific Blue Fin Tuna appeared in one of their pens.

**Bluefin tuna attacks Mowi salmon cage**

News by Stian Olsen - 14 September 2020

Large fish still blasting their way into salmon cages.

# Predator attacks – growing concern



## Thieving sea lions break into salmon farm and gorge on feast of fish

Better Ideas in Action

**CFR**

# New Development - Sapphire CFR – Experiment of Impact of Tuna Fish



Sapphire –CFR -2.1 mm, MBS: 150 kgf

# CFR Highlights

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- Success of CFR in Scotland with biggest Salmon Farm
- Spread of CFR to other customers in Scotland for better predation protection.
- Breakthrough with Biggest farm in Norway with CFR as part of conversion from Nylon to Advanced HDPE based solutions
- Breakthrough and repeat business in Faroes top 2 customers
- Repeat business in Faroes Island for V2 CFR
- Conversion from conventional nets to CFR in Canada with biggest West coast customer
- Successful upgrade of Sealpro nets to CFR in Scotland
- Expect higher pace of conversion from conventional nets to CFR in 2024-25

# Sapphire X18

[www.garwarefibres.com](http://www.garwarefibres.com)



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## Operational Benefits of X18

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- Lower risk of damage by vessels
- Less material required; Less square meters to clean
- Reduce Predation- No release of ropes during operations
- Simple mooring system – less ropes and lines required
- Easy to handle
- Can make flexible dimensions compared to extruded net

## Operational Benefits of X18

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- At Netloft , Easy
  - for washing due to stiffness and open mesh
  - Repair and handling compared to extruded net

# Sapphire X18 – Stiff Predator Net

High Stiffness of netting in its class

Superior Cut resistance

Ease of handling compared to  
Monofilament Stiff nets

Effective predator control – tried and  
tested in Chilean waters

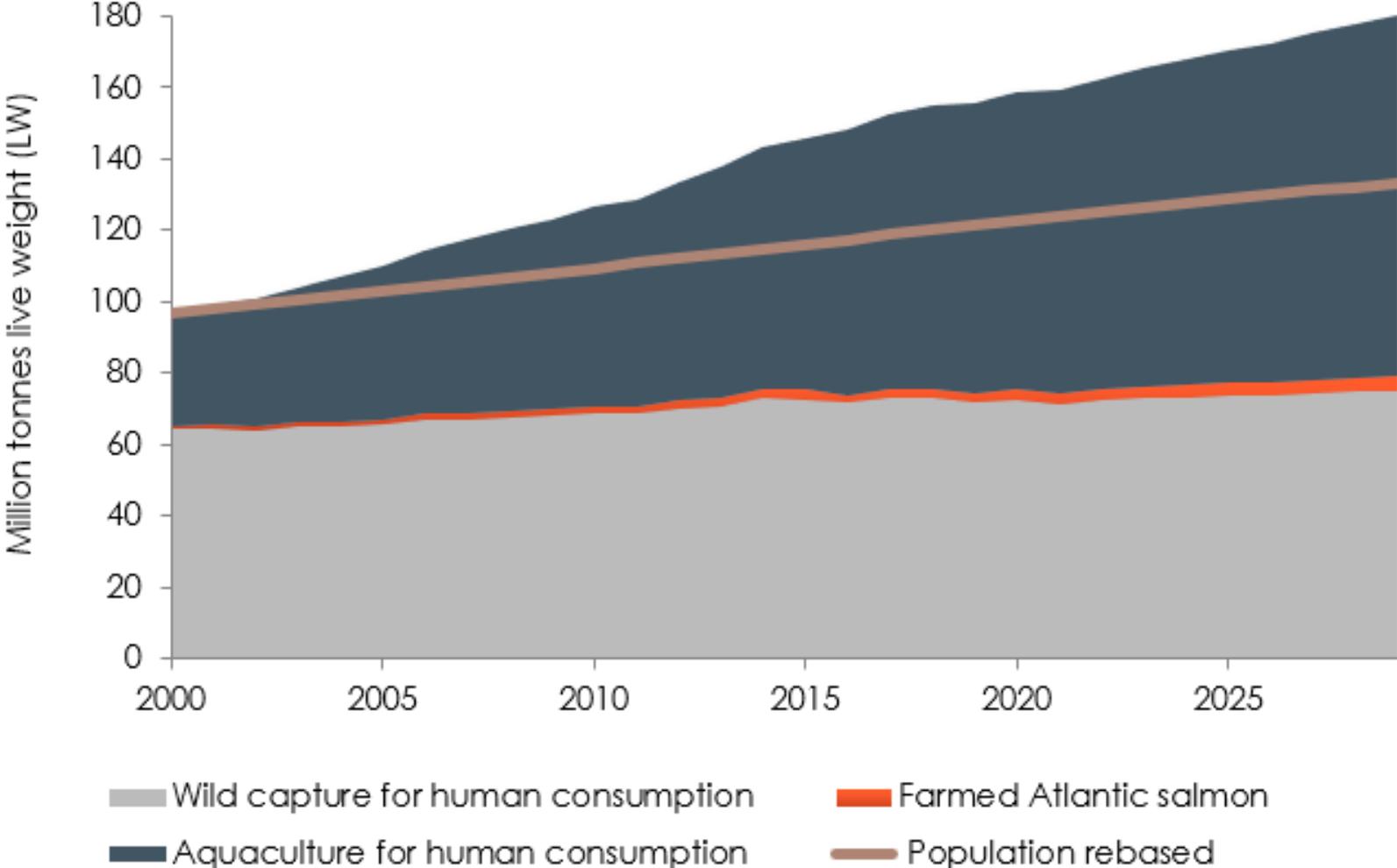
# Non Salmon

[www.garwarefibres.com](http://www.garwarefibres.com)

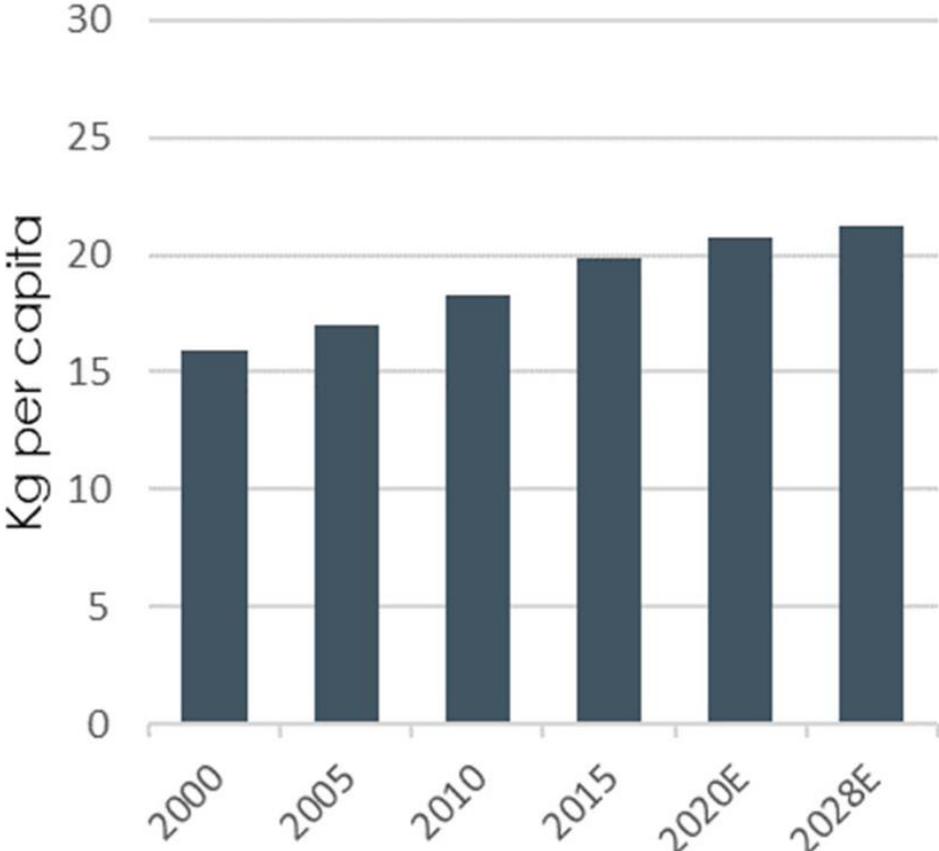


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# Growing aquaculture



Development of global average fish consumption



# Non Salmon Highlights

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- Customer base expansion in different geographies of Non Salmon (LATAM, MED and SEA)
- Targeting organized players in each market and competing with local competition with Value benefits and solutions
- Repeat order from these market – a testimonial for benefits experienced
- Customized product solutions to capture the opportunity and improve on return profile in line with Salmon Market

Better Ideas in Action

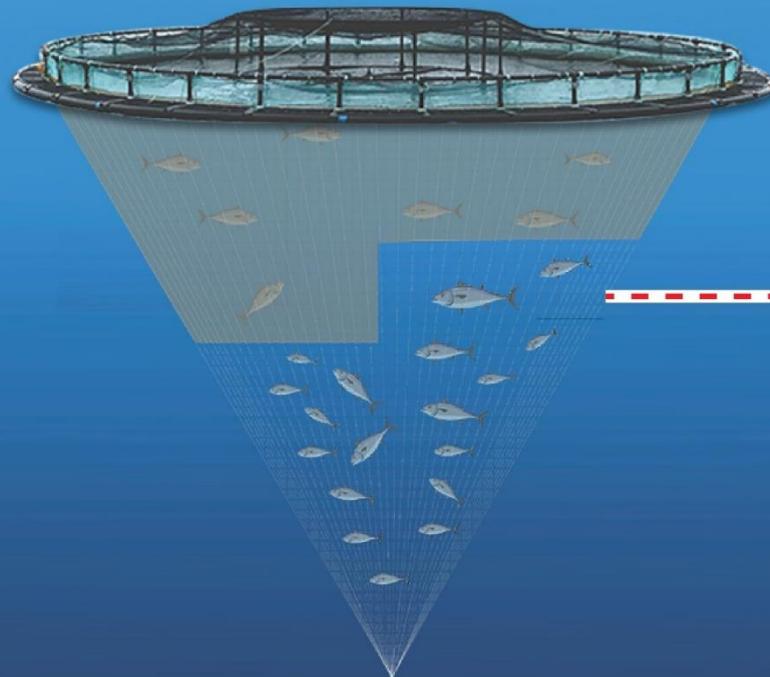
New Product  
Development

# IntelliNet



NOVEL BUILT-IN IOT TECHNOLOGY  
ALLOWS THE CAGE NET TO SPEAK  
TO THE FISH FARMER 24/7

**IntelliNet** - PANELS CONNECTED  
WITH RESPONSE MECHANISM



**24**  
TOTAL NET PANELS

**1**  
TOTAL BROKEN PANELS

**0**  
TOTAL PATCHED PANELS

**PATCHING RATE**  
**0%**

TYPE	NAME
STAR	KONTLESS- HEXAGONAL NET

LAST PATCHING DATE	STATUS
	OK

**Panel Status (In %)**

- Working Panels: 96%
- Broken & Patched Panels: 0%
- Broken But Not Patched Panels: 4%

Total Panels	Breakages
24	0

SIDE-1 SIDE-2 **SIDE-3** SIDE-4 BOTTOM

# IntelliNet Update – Full Cage Installation in Chile



INTELLINET AT  
CERMAQ CHILE SITE



INSTALLATION IN  
PROCESS



INSTALLATION  
COMPLETE AND FISH  
STOCKED



INTELLINET  
CONNECTED

# IntelliNet Update – Full Cage Installation in Chile



A SMALL LAB EXPERIMENT TO THE FIRST FULL SCALE INTELLINET CAGE IN A SPAN OF 2 YEARS

# IntelliNet - Benefits

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1

Reduction in fish escape

2

Reduction in diver's time

3

Immediate notification of  
Breakage

4

Ease of finding the break

5

Quick response time to act

Better Ideas in Action

# Sports Nets



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TECHNICAL FIBRES

# Sports Nets business of GTFL

- Under the sports portfolio, we provide around 50 different products
- Our range of sports nets confirms to all international standards and is used in various tournaments
- GTFL holds the major market share in the tennis nets and baseball netting segment in the US
- GTFL holds the major market share in the soccer nets segment in UK



TENNIS



SOCCER



BASEBALL FRAMES

# Sports Nets business of GTFL

- GTFL has spread its wings in the sports allied sector by entering into the metal frames business for baseball practice screens;
- Further growth is planned with new metal products like Tennis Posts, Metal Baskets and other allied products
- In the allied sector, GTFL has also entered into the gymnastics segment by providing gymnasium foam mats and fitness ropes;
- Further growth is planned with new coated fabric products like inflatable baseball and soccer cages



BASEBALL



INFLATABLE  
SOCCER CAGE



GYM FOAM MAT

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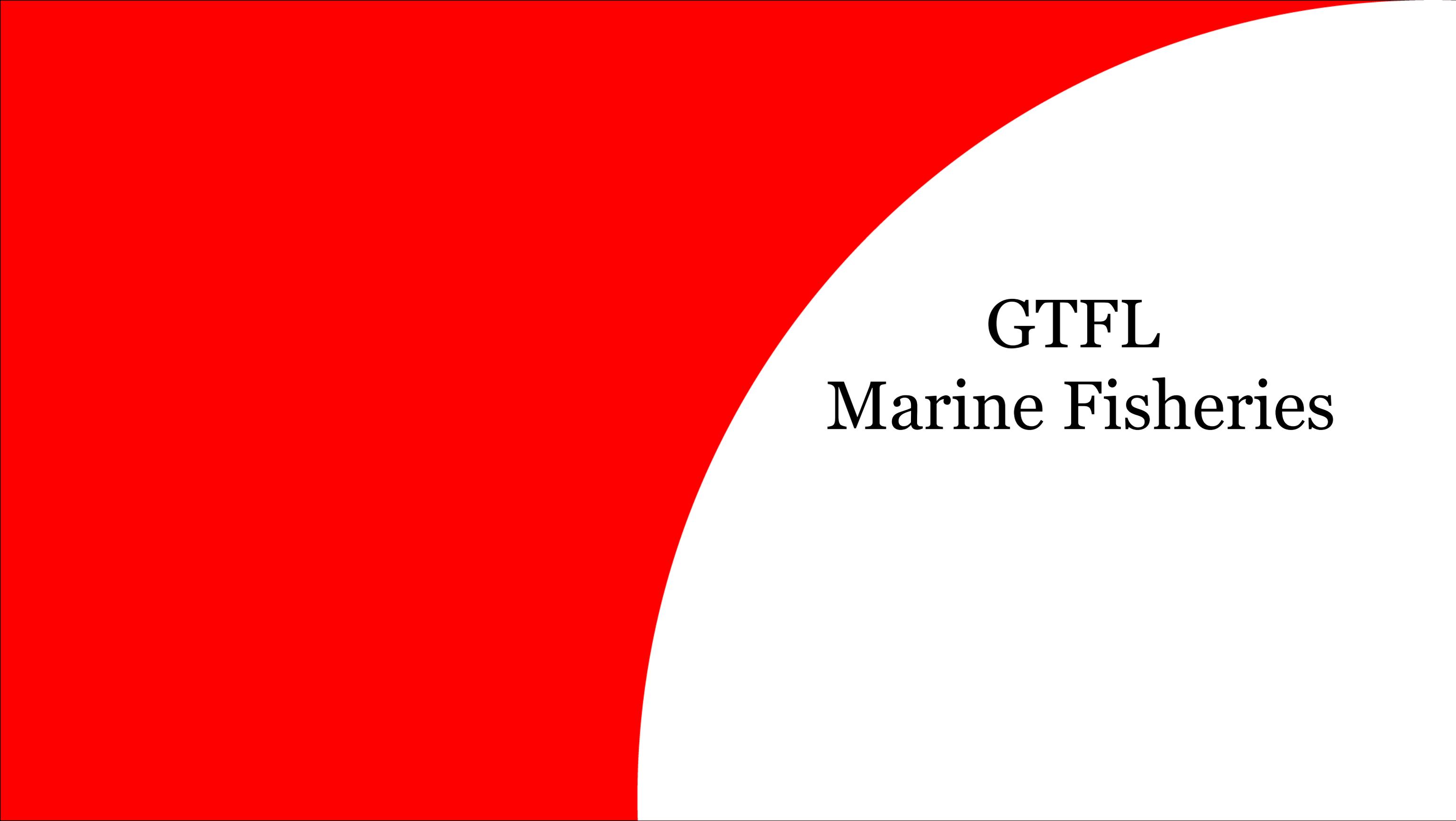
**GTFL**  
**Value Added Ropes**

# Value added Ropes

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- ✓ Global market of Ropes majorly is a price driven commodity product business.
- ✓ There is opportunity for Value Added Ropes in Ship Mooring and Offshore segments.



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**GTFL**  
**Marine Fisheries**

# Fisheries

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- Capture fishing is a traditional business in India but has evolved globally
- The trawling vessels range from 200-300 HP in India to 18000 HP in global markets

## India



**Up to 300 HP**

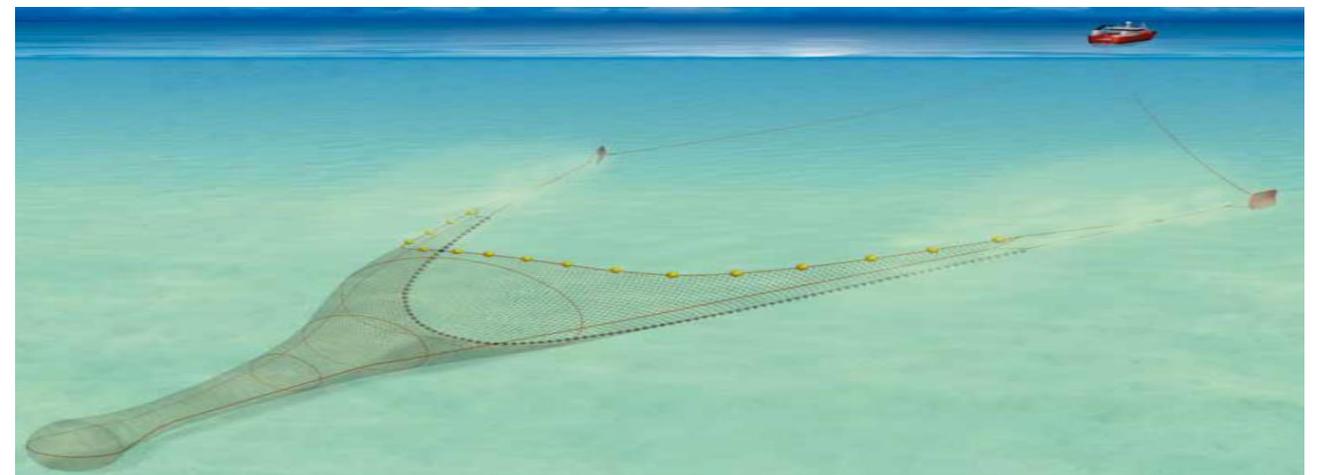
## Global



**Up to 18,000 HP**

# Fisheries

- In India, fisheries provides employment to 1.4 million people
- Our nets are customized for various applications.
- Our nets enhances scope for increased fish catch and reduces fuel consumption.



## VALUE FOR CUSTOMER

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# **F**ISH CATCH

**(Catch per voyage need to increase)**

**&**

# **F**UEL EFFICIENCY

**(Diesel consumption per voyage need to decrease)**

# International Fisheries



SNG  
bottom  
Trawl



SNG  
made  
Trawl



Pelagic  
Trawl



Pelagic  
Trawl

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**GTFL**  
**Geo-synthetics**  
**Business**

# Geosynthetics – A Brief Overview

Geosynthetics are polymer-based materials used in infrastructure solutions for environmental friendliness and lower overall cost

- Roads
- Railways
- Airports
- Ports



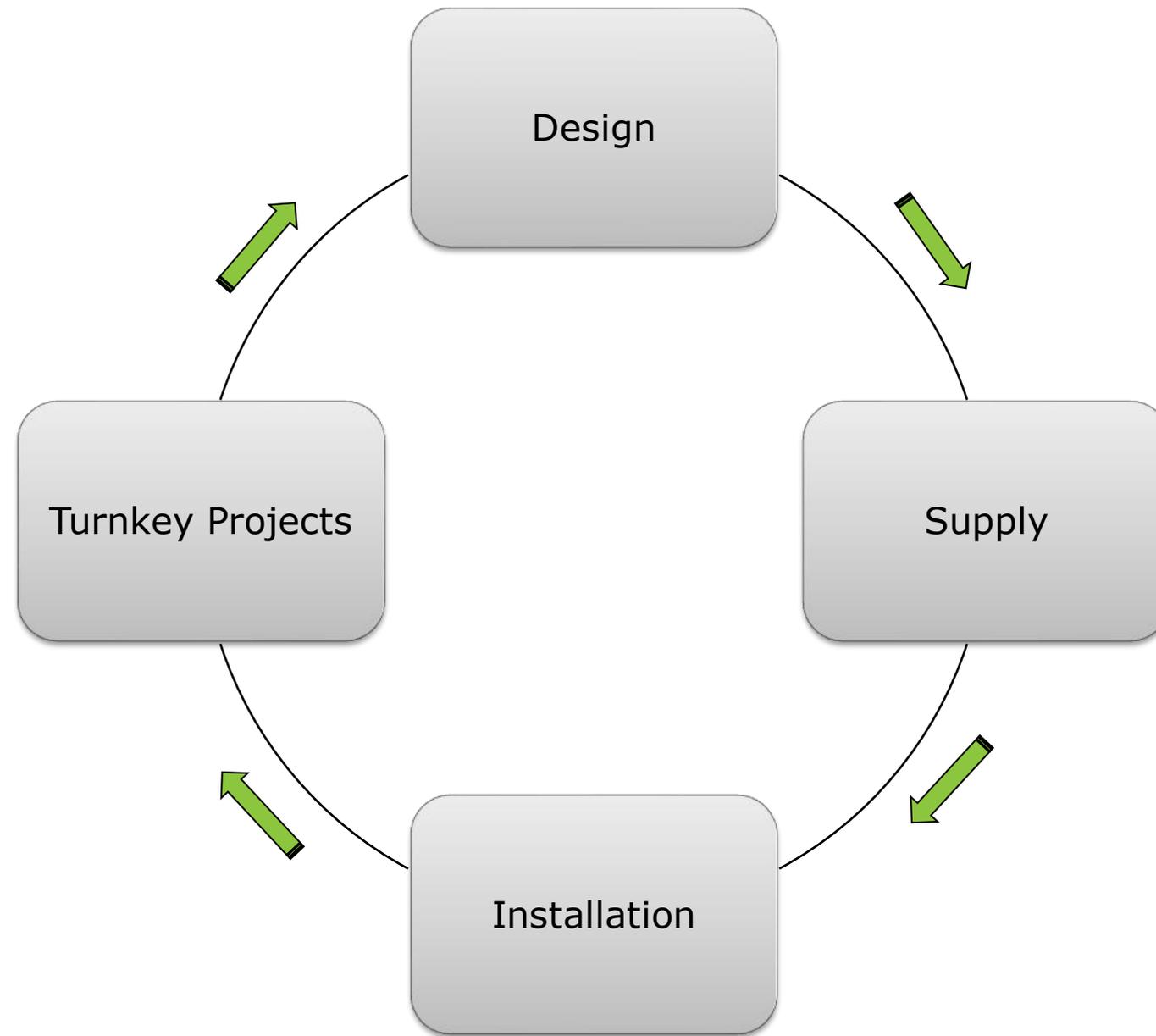
# Geosynthetics - Benefits

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# Geosynthetics Division – Business Model

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# Landfills & Linings- Snapshot

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Demand For Landfill& Lining business opportunities for scientific disposal facilities, high end lining system gaining momentum considering

- Mining& Metal production upswing.
- Growth in thermal &hydropower sector requiring efficient reservoirs.
- Restricting flow of pollutants in disposal of waste particularly fly ash dykes.

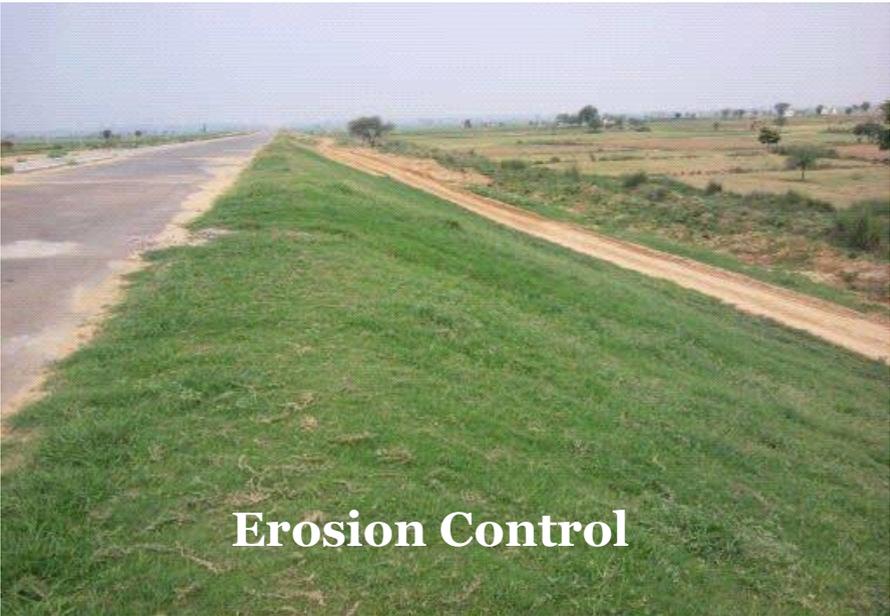
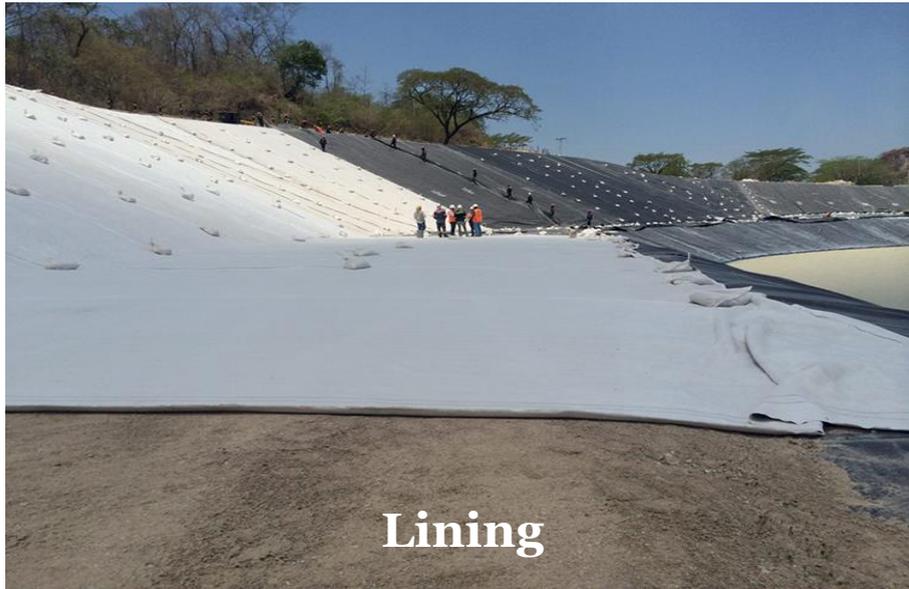
# Rockfall protection and slope stabilization- Snapshot

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Demand For slope stabilization business is gaining momentum considering

- Govt of India programmes like Infrastructure pipeline and Gati Shakti
- State Govt's have started their own slope rehabilitation programmes with financial aid from multilateral lending agencies.
- Slope collapses endangering life & property.

# Focused Applications – DOMESTIC



# DOMESTIC MARKET - Rockfall & Slope Protection application



**Location:** Uttarakhand

Slope stability implementation along a critical stretch near Rishikesh

# DOMESTIC MARKET - Rockfall & Slope Protection application

**Location:** Keonjhar, Odisha

Implementation of Soil Slope Stability Measures and Rockfall Protection along New Railway Broad Gauge Line



# DOMESTIC MARKET - Avalanche Protection application

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UT of Ladakh

Implementation of Avalanche Control Measures in UT of Ladakh



# DOMESTIC MARKET - Landfill and Liners application

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Chanderiya, Rajasthan

Construction of Secure Landfill Facility &  
Jarofix Yard Facility



# DOMESTIC MARKET - Landfill and Liners application

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## Design and Development of Gypsum Stack at SPIC-Tuticorin

# GTFL GEO Export Product Offerings

- Geotextile - Woven
  - Polypropylene
  - Polyester
- Geotextile Fabric Form
  - Geotextile bag
  - Geotextile tube
  - Saddle Bag
  - Geo-containers
- Polymer Gabion
  - PP Rope Gabion
  - Aqua-Rock Bag / Flexible Rope Net Gabion
- Rockfall Solution
  - Double Twisted Mesh Panel
  - High Strength Boulder Net
  - Smart Early Warning System
- Garmat Supreme
  - Biodegradable Coir Mats for Erosion Control
  - Polymer Mat for Erosion Control Blanket



**GAI-LAP**

# GTFL GEO Export Product Offerings



**PP ROPE GABION**



**AQUAROCKBAG /FRN**



**DT MESH PANEL**



**HS BOUDLER NET**



**EROSION CONTROL MAT**



**POLYMER EROSION CONTROL MATT**

# GTFL GEO Export Product Offerings



**WOVEN GEOTEXTILE**



**GEOTEXTILE BAG**



**GEOTEXTILE TUBE**



**GEOTEXTILE CONTAINER**



**GEOTEXTILE SADDLE BAG**

# GTFL GEO Export Markets



**SINGAPORE**



**THAILAND**



**OMAN**



**COLOMBIA**



**FRANCE**



**AUSTRALIA**

# GTFL GEO Export Markets

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COLOUMBIA

# GTFL GEO Export Markets



**PHILIPPINES**



**THAILAND**

# Exports

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Installation of Erosion Control and Scour Protection Aqua Rock Bag in England

# Wind Defender Application USA Landfill

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**Temp Cap — 1,548,160 sq.ft.**



**Rain Cover - 393,600 sq.ft.**



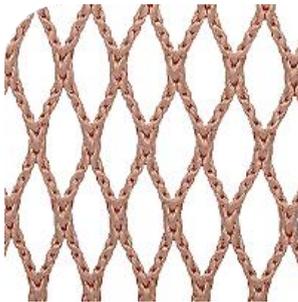
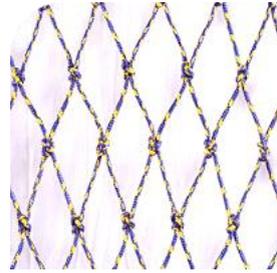
**Leachate Spray Curtain - 262,400 sq.ft.**

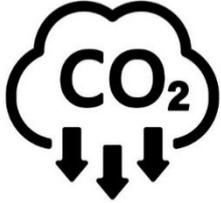
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**GTFL**

**SUSTAINABILITY**

# GTFL's Strong External Actions on Sustainability

V2 Technology		Seal Pro: Anti-Predator Nets for Seals	
 $\text{Cu}^{2+}$	<ul style="list-style-type: none"><li>V2 Technology reduces copper release in the environment significantly as compared to paint coated nylon cages</li></ul>	 	<ul style="list-style-type: none"><li>Sapphire PE nets have increased salmon farm protection leading to a reduction in seals culling</li></ul>

HDPE Products	
	<ul style="list-style-type: none"><li>We are a pioneer in HDPE products and champion the replacement of nylon products with HDPE.</li><li>HDPE production saves several MT equivalent of CO<sub>2</sub> vs Nylon</li></ul>

# GTFL – Pioneer in HDPE Solutions for Aquaculture

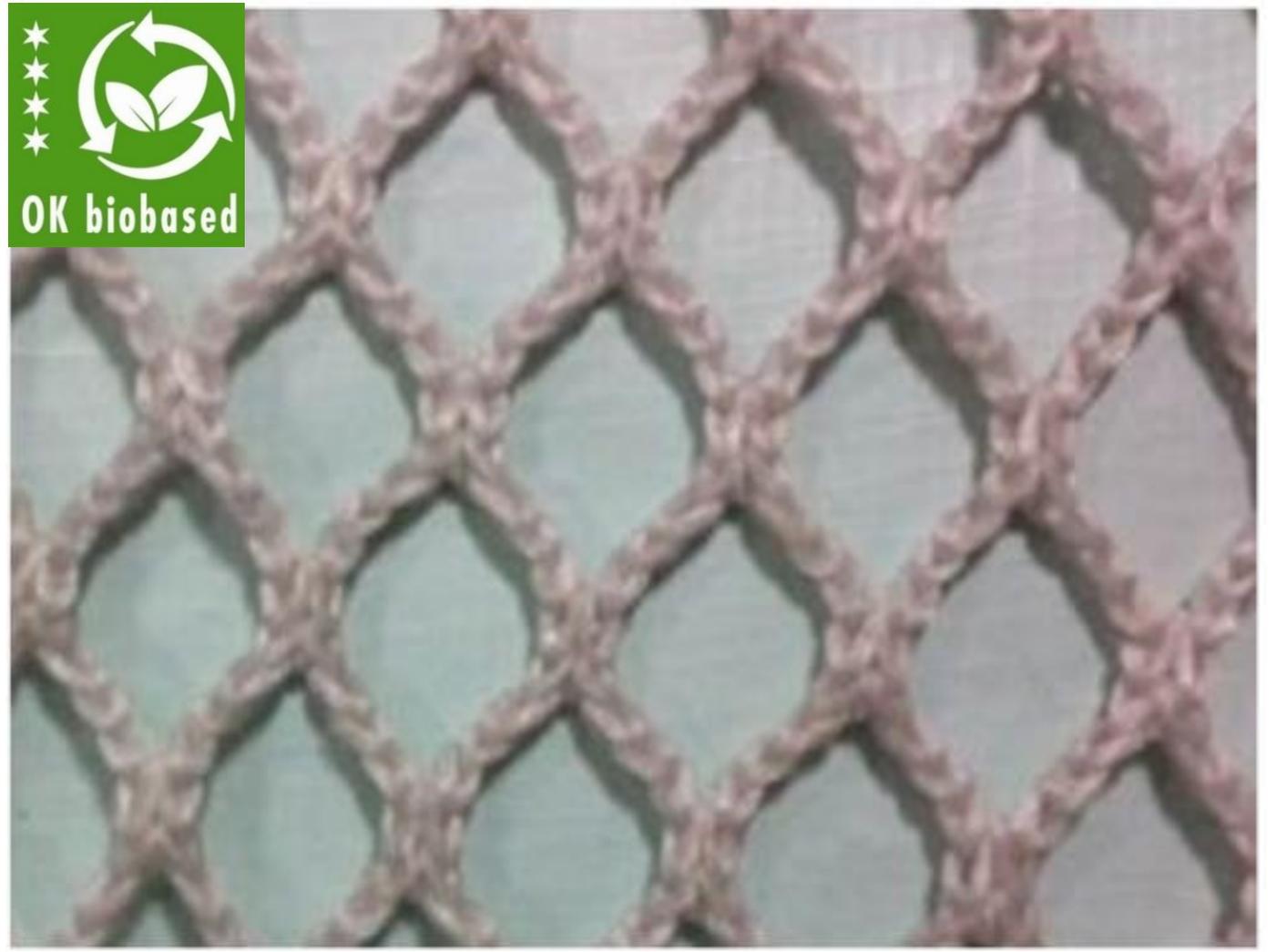
## Environmental Impact

Garware Technical Fibres has provided more than 25,000 metric tons of HDPE netting solutions to the aquaculture industry, this directly translates to a **reduction of 122.5 million Kilograms of CO2 equivalent**. This saving in the carbon footprint is equivalent to approximately 1.35 million passenger flight trips from Santiago to Puerto Montt.

Plastics Europe has published a document in 2014, Eco-profiles and Environmental Product Declarations of the European Plastics Manufacturers, which shows the Global Warming Potential (GWP - Kg CO2 equivalent) per kilo of **Nylon resin is 6.7** while that of **HDPE resin is 1.8**.

<https://plasticseurope.lca-data.com/ILCD/>

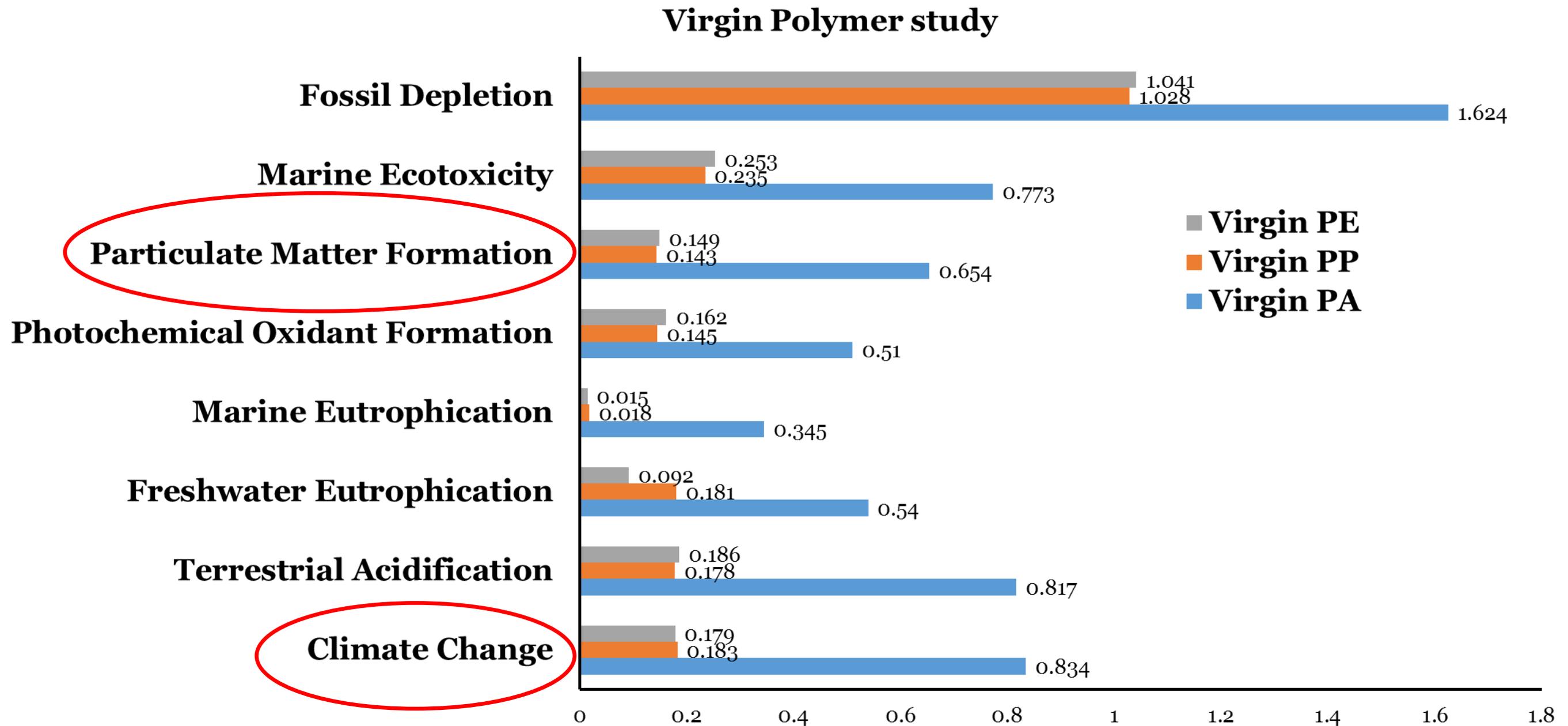




## **Trial of the Industry's First Certified Bio-Based Cage Net in New Zealand**

Up to 70% Reduction in GHG emissions compared to regular aquaculture cage nets

# Environmental impact – Nylon vs HDPE



# GTFL's Strong Internal Actions on Sustainability

Water		Green House Gas Emission	
	<ul style="list-style-type: none"> <li>• Every year we are reducing our water consumption per MT of production.</li> <li>• Honoured with various awards for our efforts</li> <li>• 100% treatment and recycling of waste water generated in production process</li> </ul>		<ul style="list-style-type: none"> <li>• Annually increasing our usage of renewable sources of energy</li> <li>• Trial of the industry's first certified bio based cage which will reduce utilization of fossil fuels thereby reducing GHGs</li> </ul>
Biodiversity Preservation		Reduce, Reuse and Recycle	
	<ul style="list-style-type: none"> <li>• Recycling of the equivalent quantity of plastic material as that consumed for handling and packaging of products through authorized recyclers</li> <li>• Tree plantations every year at various locations</li> </ul>		<ul style="list-style-type: none"> <li>• Improvement in Coal consumption/Ton by improving boiler efficiency</li> <li>• Continuous reduction in the RM waste generated during the manufacturing</li> </ul>

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Leadership Team

# Experienced Management Team

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**Mr. Vayu R Garware**  
**Chairman & Managing Director**

- Graduate from Wharton Business School, USA
- Dynamic & Aggressive Leader



**Mr. Shujaul Rehman**  
**Chief Executive Officer**

- Over two decades of experience in FMCG sector
- Strategic thinker and an aggressive marketer



**Mr. Shashank Gupta**  
**Chief Financial Officer**

- More than 18 years of valuable experience in the realm of Finance and accounts.
- A distinguished chartered accountant
- Lead Leadership role across multiple organization nationally & internationally

# Experienced Management Team

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**Mr. Tiru Kulkarni**  
**COO- Geo-Synthetics**

- Over two decades of extensive understanding of the global geo synthetic industry
- Ex-board member of IGS (India)
- Authored various technical papers in national and international forum



**Mr. Ravendra Mishra**  
**Head-Human Capital**

- More than 25 years of experience
- in operations & HRM
- An administrator par excellence with strong management skills



**DR. Sanjay Charati**  
**President & Head of R&D**

- More than 30 years of Global Technology Development and Management experience
- Led a multinational team of Research Scientists and Engineers spread across 3 continents and 6 countries.



**Mr. Vivek Kulkarni**  
**President – Operations**

- More than 30 years of valuable experience in manufacturing
- An expert in operations and operational excellence

# Better Ideas in Action

## Thank You

INDIA • USA • UK • CANADA • AUSTRALIA • CHILE • NORWAY

[www.garwarefibres.com](http://www.garwarefibres.com)