

Life cycle of fishing gear

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Hampiðjan Ísland



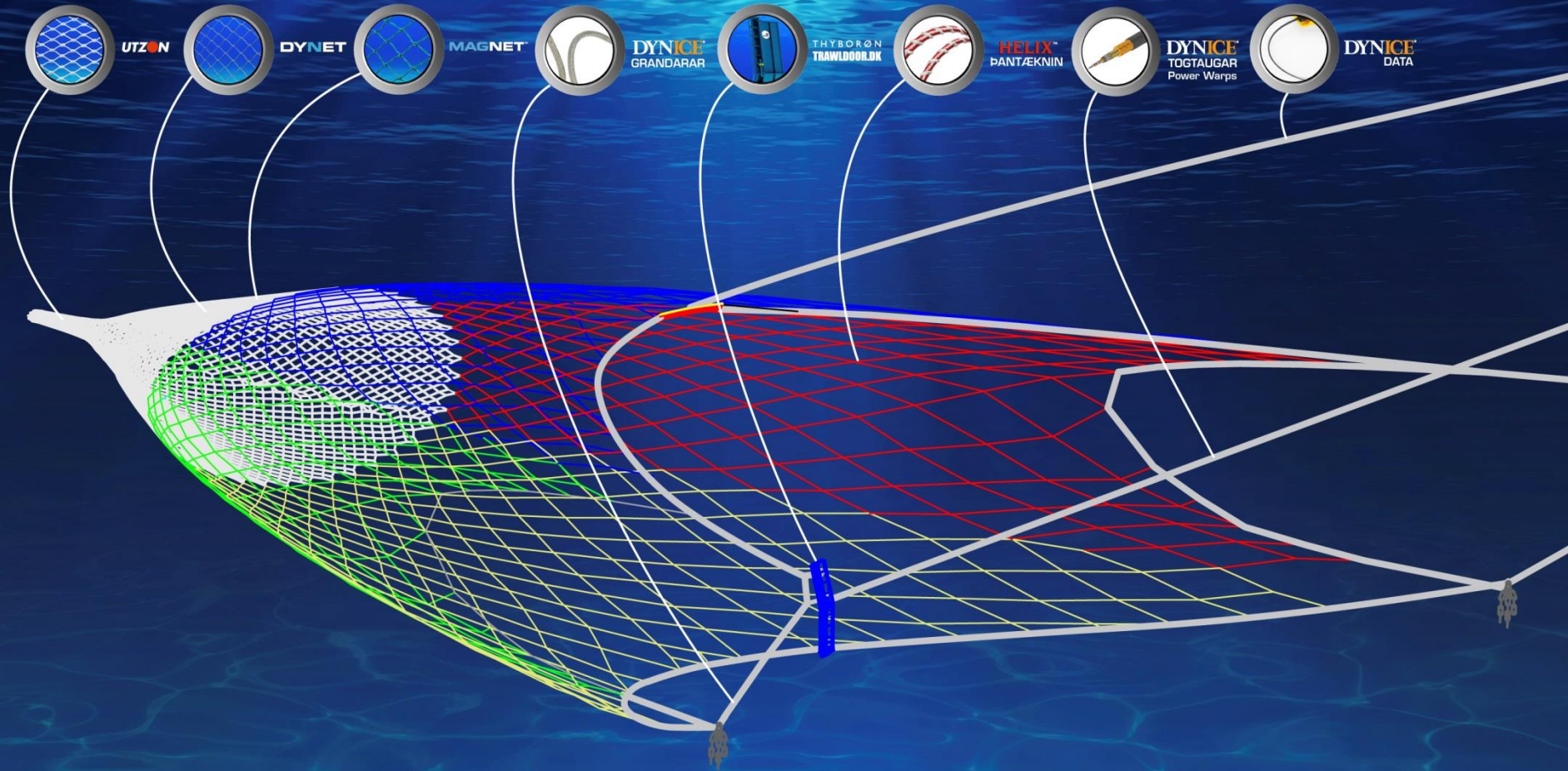
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**RELENTLESS
PRODUCT
DEVELOPMENT**
is the Essence of Our being

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- for every ocean



Post-consumer waste



PLASTIX

Nofir

 **GRANUBAND**
IT'S A NEW LIFE

POLI  EKTRIS

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Product group	Ingredient	Name	Recycling	Landfill	Processing company
HMPE ropes	HighModulusPolyEthylene	HMPE		(X)	(Avient)
HMPE netting	HighModulusPolyEthylene	HMPE		(X)	(Avient)
Coverbraided ropes	Polyethylene 55% og Polyamid 45%	PE+PA	(X)		Nofir, Hampidjan
Braided ropes	Polyamid	PA	X		Polivektris, Nofir
Nylon net	Polyamid	PA	X		Polivektris, Nofir
PE netting	Polyethylene	PE	X		Plastix
Twisted ropes	Polyethylene	PE	X		Plastix
	Polypropylene	PP	X		Plastix
	Nylon	PA	X		Polivektris, Nofir
	Polypropylene 80% - Polyethylene 20%	PP+PE	X		Plastix
	Polyethylene 50% - Polyamid 50%	PE+PA		X	
	Polyethylene 50% - Polyester 50%	PE+PES		X	
Floats	Acrylonitrile butadiene styrene	ABS		X	
Rockhopper	Rubber	PI	X		Granuband
Chain, wire , hardware	Ferros Metals	Fe	X		Local

Recycled material (2023)



Material Type	Quantity	Recycling Pathway
Ferrous Metals	197.031 kg	Local Recyclers
PE – fishing gear	171.378 kg	PlastiX
PE – aquaculture	1.672 kg	PlastiX
PA – fishing gear	302.934 kg	Polivektris, Nofir
PA – aquaculture	8.162 kg	Nofir
PP	32.080 kg	PlastiX
Cover braided ropes	24.040 kg	Nofir
Lead ropes	12.159 kg	Nofir
Floats	6.734 kg	Nofir
Rubber	231.260 kg	Granuband
Total suitable for recycling	987.450 kg	
Percentage of total	88%	
Not suitable for recycling	140.222 kg	Energy Recovery
Percentage of total	12%	

A few case studies

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Post-industrial recycling



Circular Nylon

- Create circular PA products for the aquaculture and fisheries sector
- De-polymerization of EOL netting
- Production of industry specific filaments
- Knitting, assembly and testing of fully functional cages from 100% recycled PA **ECONYL®**

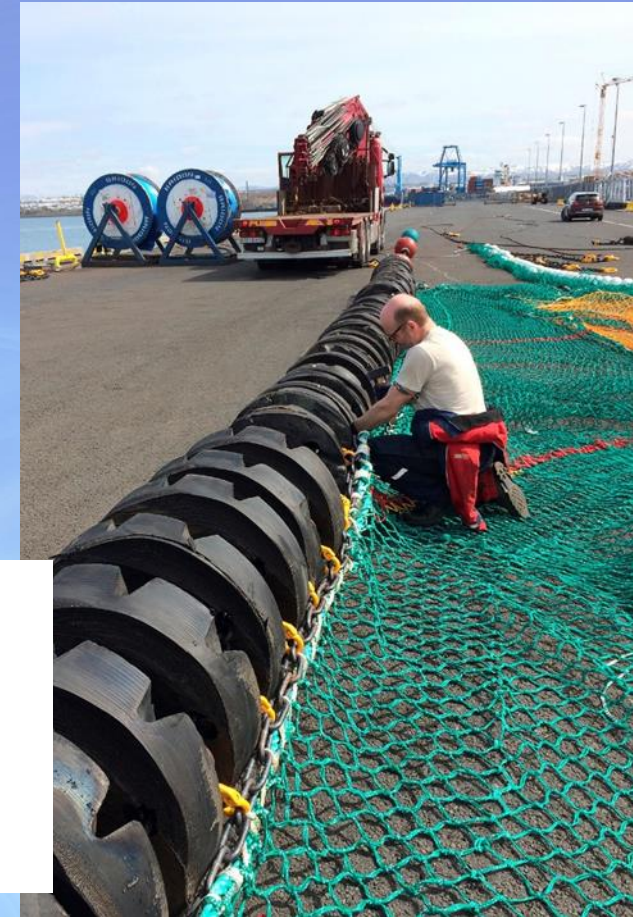


Circular Nylon - The (near) future

- The choice to use recycled Nylon without compromise on quality
- Products with a reduced carbon footprint
- CDemonstrate circularity for on of our major material streams

Circular Rubber

- Recycling of rockhoppers big step
- Already an up-cycled product
- Great opportunity to rethink ground-gear
 - DESIGN
 - DURABILITY



Global Impact

- Daughter companies and locations on 5 continents
- Global customer base
- Shared vision and unified products
- Iceland incubator for ideas and solutions
- Information exchange for locally tailored waste management



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Thank You!

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