

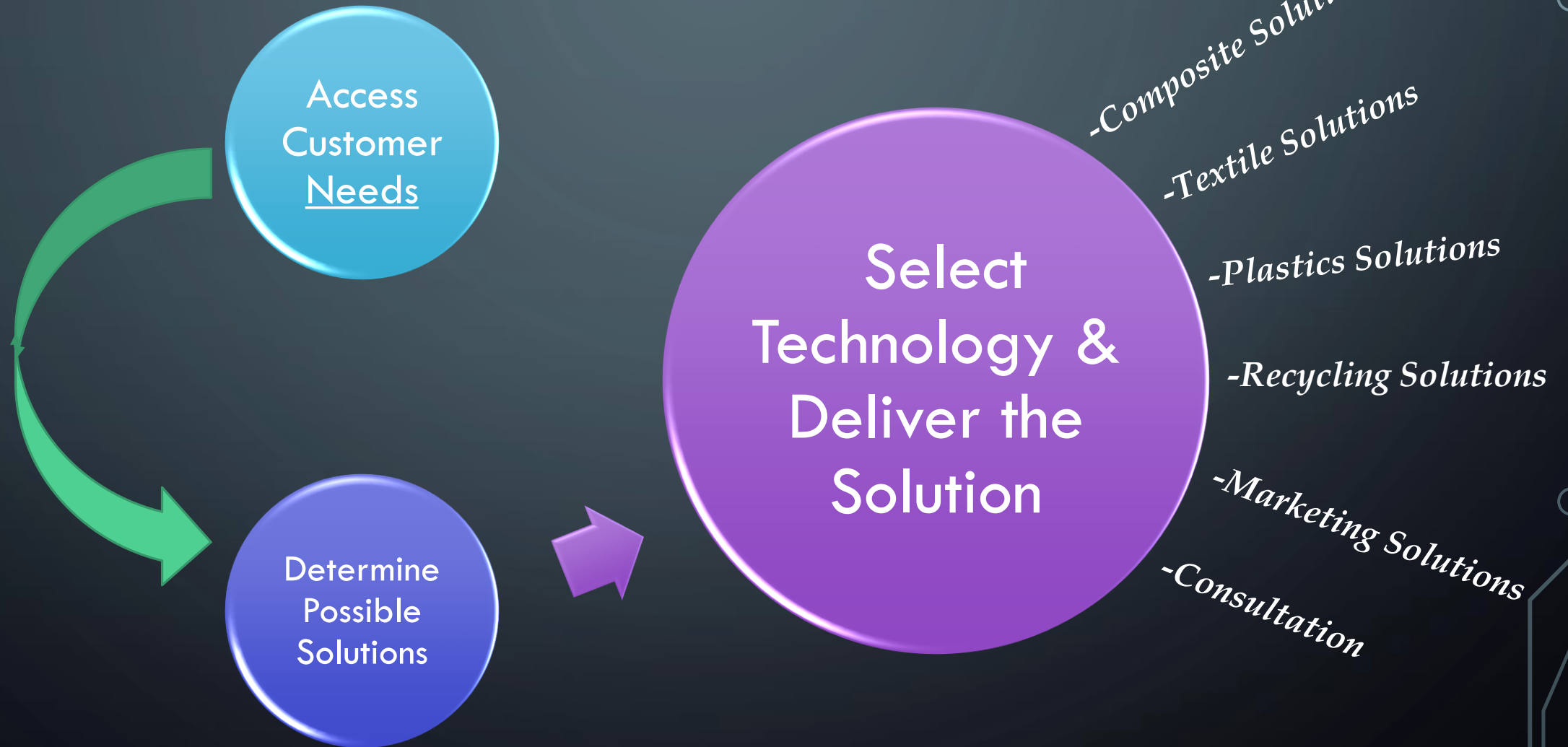
PLAST



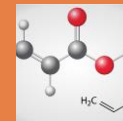
CORDNPLAST

INDUSTRIAL SOLUTIONS LTD

*Cordnplast is an Engineering company,
providing industrial solutions for its customers
in Textile and Plastics;*



COMPONENTS



PLASTICS



TEXTILES &
COMPOSITES



CONSULTATION

With our LT Partners; we are able to produce and supply,



PA66, PA6

PE, PP, PVC

ABS, PC

TPU

BIOPLASTICS

rPET

GLASS FILLED

MINERAL FILLED

FLAME RETARDANT



PLASTICS

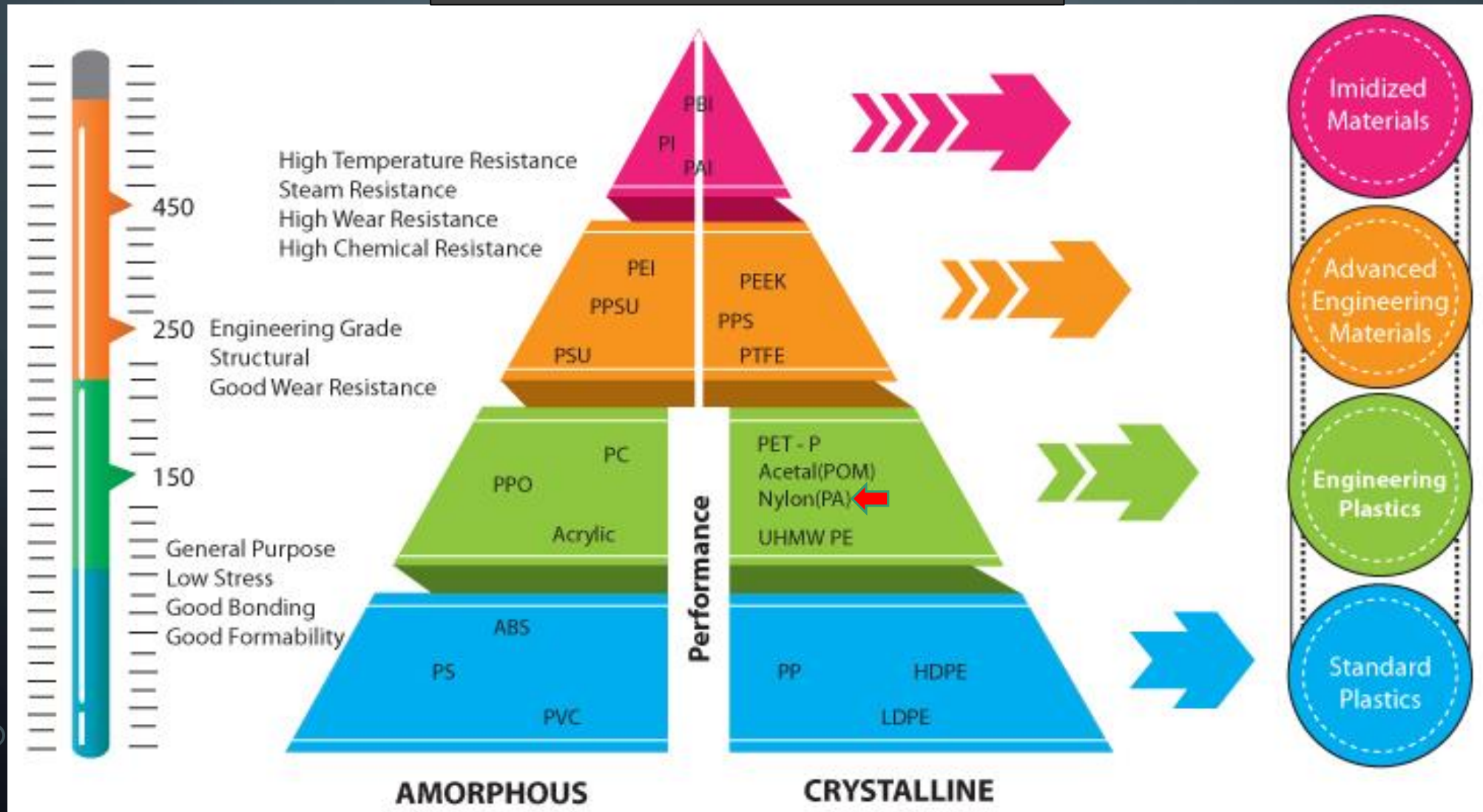


We make Projects with our customers to recycle their Wastes and Side-products to help them reduce their production costs.

NYLON 6 or PA 6

It is a **semi-crystalline** polyamide characterized by tenacity, elongation, transparency, softness, flexibility and resistance to **abrasion**. It is used for making threads, nets, ropes, and knitted garments as well as many **injection molded parts**.

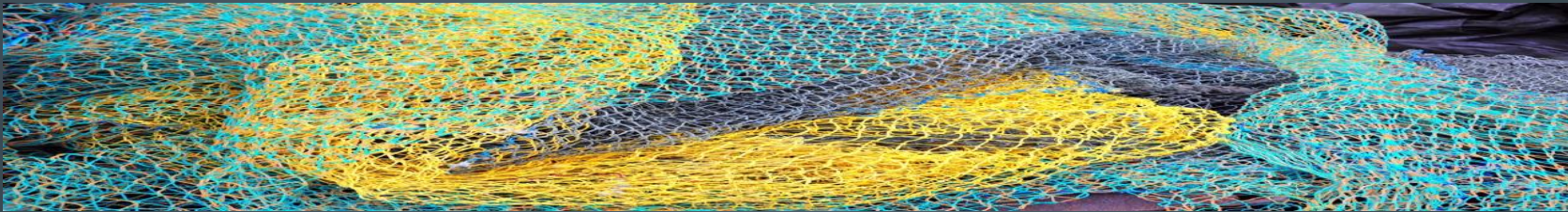
The Plastics Pyramid



ARTICLES:

-NYLON-6 obtained from fishing nets waste seems to be valid for recycling, as they can be processed for different potential industrial applications without any remarkable loss of main properties.

(Ref: 2019 Wiley Periodicals, Inc. J. Appl. Polym. Sci. 2019,136, 48442)

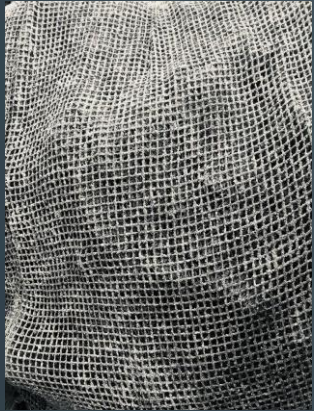


Critical factors:

- 1. Degradation due to exposure to sun light.*
- 2. The multifilament type is more susceptible than monofilament.*
- 3. The thicker the material the better is the resistance to photo-degradation.*
- 4. The practice of drying the nets in sunlight after fishing should not be done in view of the strength loss due to weathering.*

(Ref : Saly N. Thomas, C. Hridayanathan)








With our partner company, we convert PA6 fishnets and Ropes to Granules and sell to Local Compounders.



Properties	Typical Value
Density	1,16
Elongation	2%
Modulus	2500-3000 MPa
Isod Notched	4-7
Ash	3%
Humidity	0,50 %
Viscosity	2,5

- *Available Capacity: 1000 tons/year*
- *WASTE STREAMS WITH :*
 - PET : 0%*
 - PP : 3% max*
 - PE : 8% max*
 - Dyneema : 0%*
 - We sort, wash, shred, dry and melt*
 - No smell in our products*

Business Model Canvas for Recycling of Polyamides from Used Nets and Ropes

<p>Key Partners </p> <ul style="list-style-type: none"> - Eurocord Network - Rope Producers - Net Producers - Waste Collectors - Fish farms - Various Industries using ropes and net 	<p>Key Activities </p> <ul style="list-style-type: none"> • Waste collection • Separation • Cutting & Baling • Granulation 	<p>Value Proposition </p> <ul style="list-style-type: none"> • Recycled Polyamide production with consistent quality and competitive cost structure • No significant reduction in mechanical properties • No smell 	<p>Customer Relationships </p> <ul style="list-style-type: none"> • Consistent Recycled material supply • Potential to Serve Customers by using their own waste streams as raw material 	<p>Customer Segments </p> <ul style="list-style-type: none"> • Injection Molders • Compounders
<p>Cost Structure </p> <ul style="list-style-type: none"> • Waste Cost : 0,60 Eur/kg (collecting, separation, cutting & baling) • Transportation Cost (2 ways) : 0,35 Eur/kg • Granulization Cost : 0,75 Eur/kg • Total Cost : 1,70 Eur/kg 	<p>Revenue Streams </p> <ul style="list-style-type: none"> • Price rPA-6 in EU : 2,00 - 2,20 Eur / kg • Expected Profit : 0,30 Eur / kg; • Annual Profit with 1000 tons sale: 300.000 Eur / yr • Incentives from Authorities 			

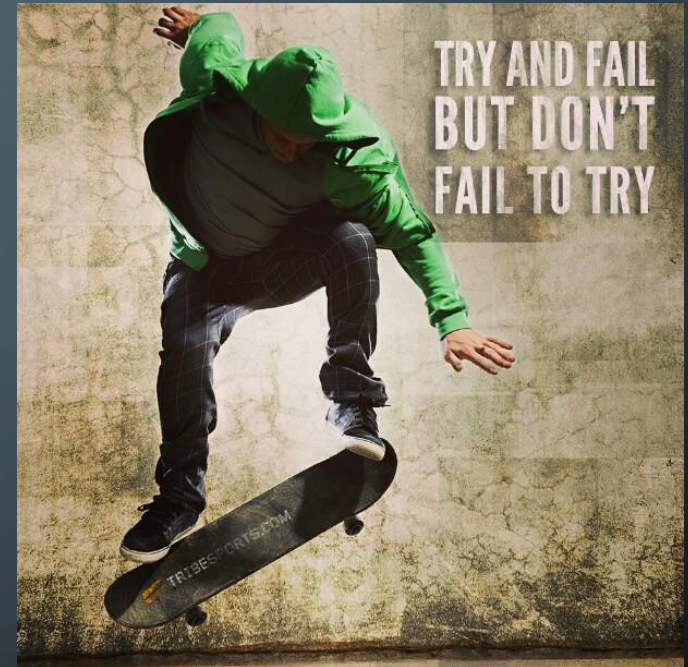
THE PLAN

EXPECTED COST : 1,70 Eur/kg
EXPECTED PROFIT : 2,00 Eur/kg min
ANNUAL PROFIT (1 kt) : 300.000 Eur min

-Work with Eurocord teams to understand more the cost structure of the Project

-Understand the Regulations

-Organize a Trial





CONTACT DETAILS

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