



Greek
Investment
Forum

CORPORATE PRESENTATION

June 2015

 **THRACE GROUP**

A WORLD OF MATERIALS & SOLUTIONS



**Converting polypropylene into a
World of Material & Solutions for over 35 years**



THRACE GROUP
A WORLD OF MATERIALS & SOLUTIONS

2 BUSINESS UNITS

TECHNICAL FABRICS



PACKAGING SOLUTIONS



**THRACE GROUP
AT A GLANCE**



Converting **100k MT of PP** per year



Operations in **11 countries**



28 different production technologies



52% production / 17% sales in Greece



Sales network in **80 countries** / Sales in **24 market segments**

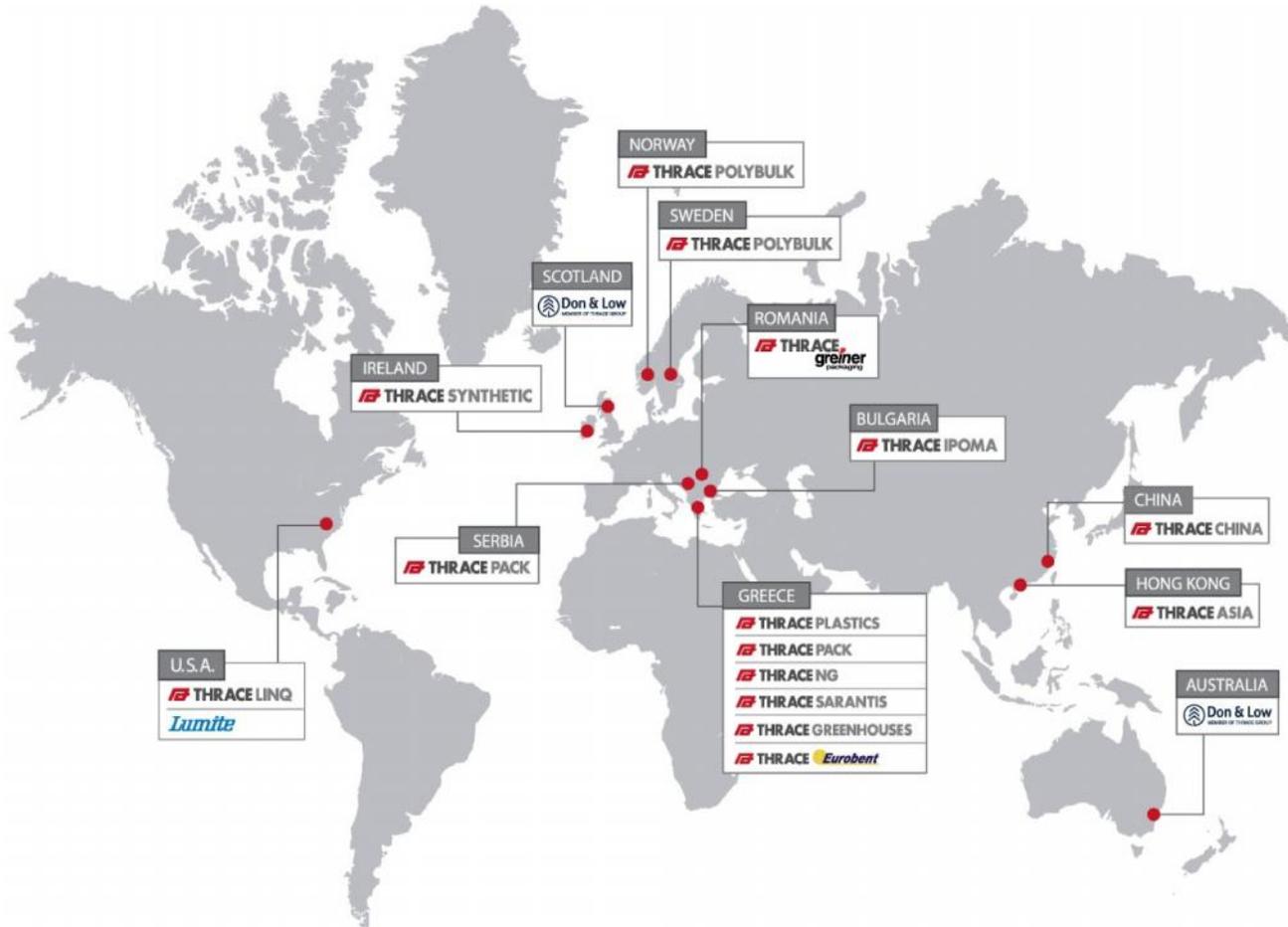


FY 2014 Group Sales **293 mil €** / CAPEX **13 mil €**

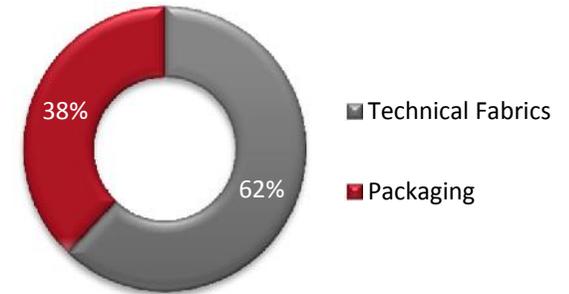


1,663 employees

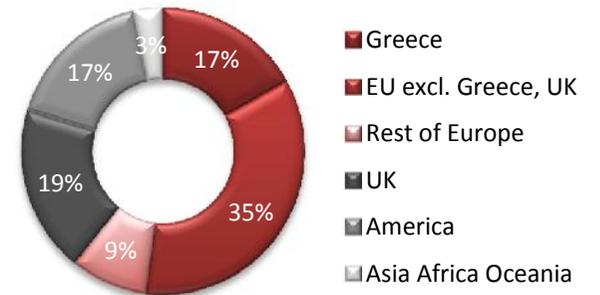
THRACE GROUP | DIVERSIFICATION



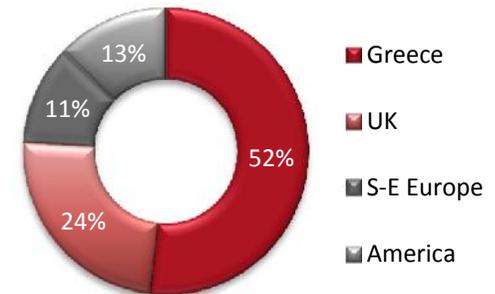
Sales – BU Contribution*



Sales Geographical Breakdown*



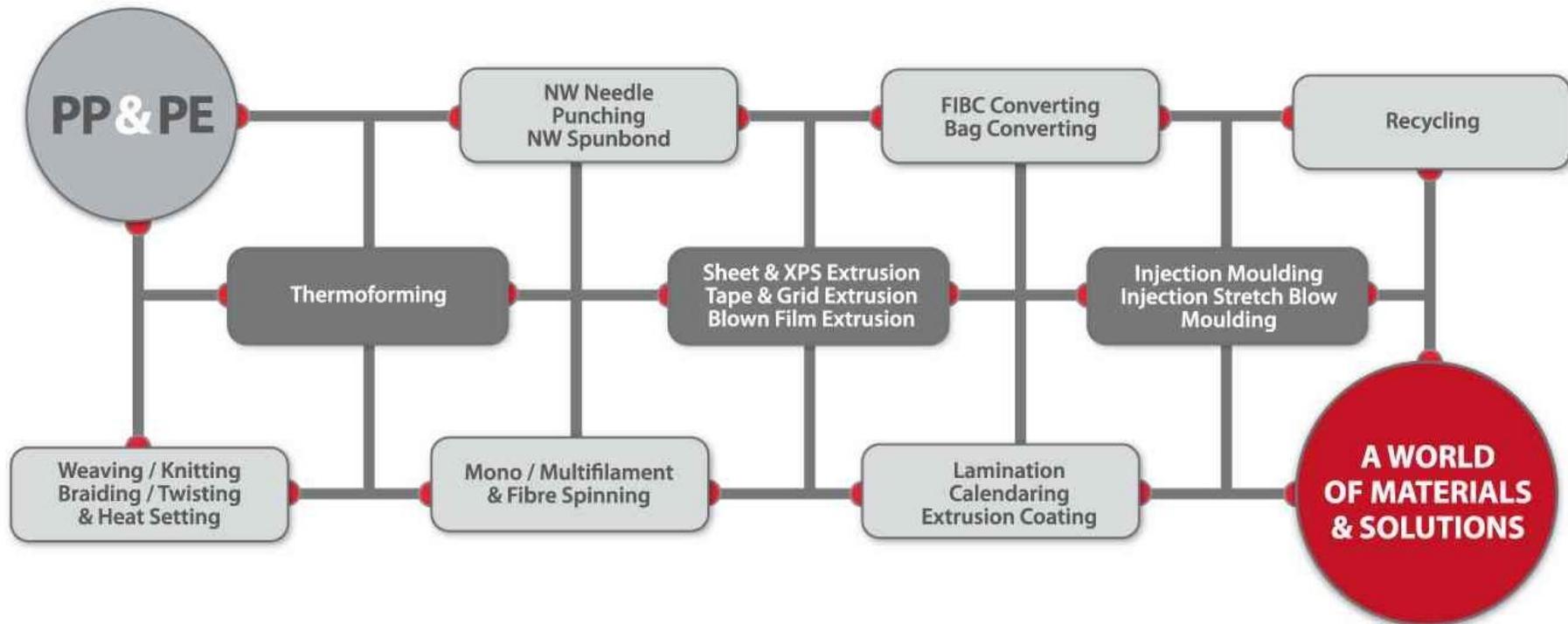
Production Geographical Breakdown*



*FY 2014 figures

28 different production technologies from processing to finishing

Innovation | Vertical integration | Flexibility | Cost effectiveness



TECHNICAL FABRICS DIVISION TECHNOLOGIES
PACKAGING DIVISION TECHNOLOGIES



TECHNICAL FABRICS

BUSINESS UNIT

TECHNICAL FABRICS BUSINESS UNIT | PRODUCTS BY APPLICATION



GEOSYNTHETICS



CONSTRUCTION



**AGRI/HORTICULTURE
AQUACULTURE**



**LANDSCAPE-
GARDENING**



SPORT & LEISURE



MEDICAL & HYGIENE



FILTRATION



**FURNITURE &
BEDDING**



AUTOMOTIVE



PACKAGING FABRICS



**ADVANCED FABRICS/
COMPOSITES**



FLOOR COVERING



INDUSTRIAL FABRICS



**ARNO WEBBINGS/
STRAPS/ ROPES**



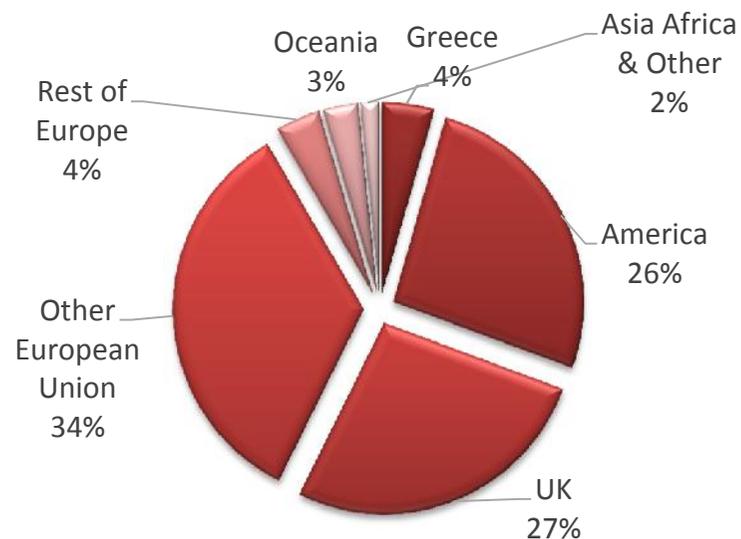
**INDUSTRIAL YARNS &
FIBERS**

- **Changi Singapore Airport**
- **Liverpool (John Lennon) Airport, UK**
- **Khasab Port Extension Project, Oman**
- **Terminal 5, London Heathrow Airport, UK**
- **Palm Jumeirah, Dubai, United Arab Emirates**
- **Ionian Motorway, Greece**
- **Athens Underground Metro, Greece**
- **Landfill in NW Thessaloniki, Greece**
- **Kolkata Airport, India**
- **Chicago O'Hare Airport, USA**
- **Palma de Mallorca Airport, Spain**
- **E65 Motorway, Greece**
- **High Speed Railway UTE-AVE, Cornella, Spain**
- **Main Road Embankment, Shenzhen, China**
- **New International Airport, Dubai, United Arab Emirates.**

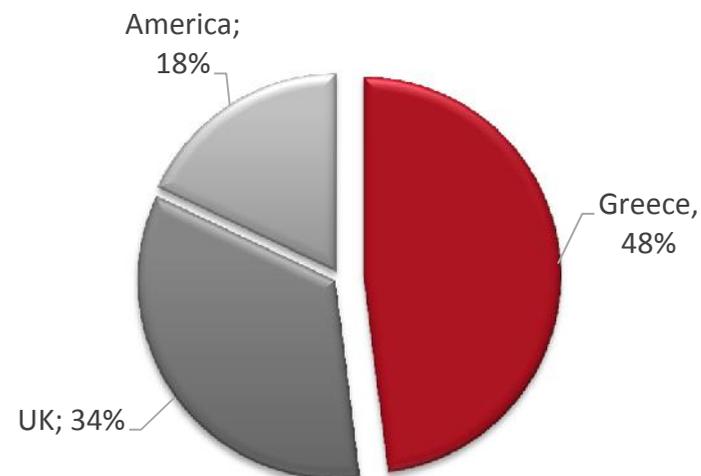


TECHNICAL FABRICS BUSINESS UNIT | OVERVIEW

Sales Breakdown



Production Breakdown



Key P & L Items * (amounts in €'000)	FY 2011	FY 2012	FY 2013	FY 2014	Q1 2014	Q1 2015
Sales	161.772	168.647	163.513	187.416	41.868	46.633
y-o-y Change %		4.2%	-3.0%	14.6%		11.4%
EBITDA	14.818	18.498	9.497	13.958	2.544	5.352
EBITDA Margin	9.2%	11.0%	5.8%	7.5%	6.1%	11.5%

* Results consolidate proportionally the JVs

TECHNICAL FABRICS BUSINESS UNIT | COMPETITION



PACKAGING SOLUTIONS

BUSINESS UNIT

 **THRACE GROUP**
A WORLD OF MATERIALS & SOLUTIONS

PACKAGING BUSINESS UNIT | PRODUCTS



FIBC/FILLING SOLUTIONS



BAGS/FFS FILMS



**PALLET COVERING/
PACKAGING FILM**



**CONTAINER LINERS/
CARGO PROTECTION**



FABRICS



**INJECTION/BUCKETS/
PAILS/CONTAINERS**



**THERMOFORMING
CUPS**



**EPS CONTAINERS &
TRAYS**



CRATES



**5 GAL BOTTLES &
CAPS**



BAG IN BOX



GARBAGE BAGS



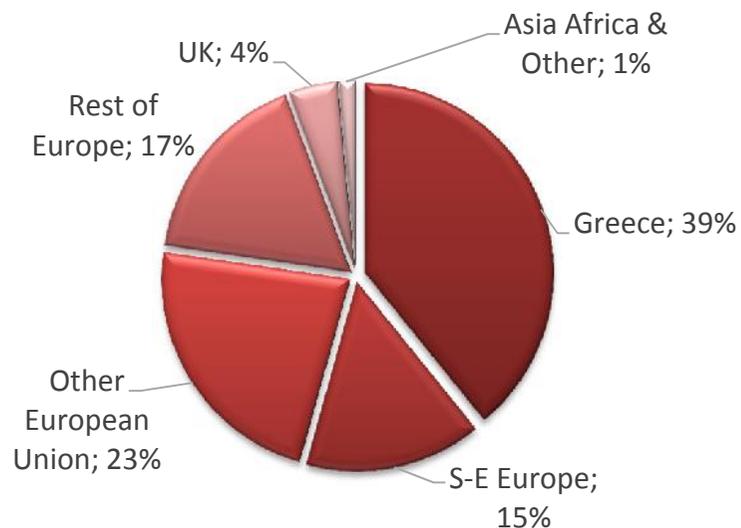
ROPES & TWINES

PACKAGING BUSINESS UNIT | KEY CUSTOMERS

PACKAGING BUSINESS UNIT | OVERVIEW

Sales Breakdown



Production Breakdown



Key P & L Items * (amounts in €'000)	FY				Q1	
	2011	2012	2013	2014	2014	2015
Sales	106.725	109.108	112.062	116.098	26.553	27.383
y-o-y Change %		2.2%	2.7%	3.6%		3.1%
EBITDA	7.078	6.032	10.683	12.077	3.025	3.316
EBITDA Margin	6.6%	5.5%	9.5%	10.4%	11.4%	12.1%

* Results consolidate proportionally the JVs

PACKAGING BUSINESS UNIT | COMPETITION



Huhtamaki



POLARcup



WOLF PLASTICS



The background of the slide features a 3D rendering of various financial charts, including a bar chart with several bars of increasing height, a line graph with a fluctuating white line, and a pie chart with several slices. The charts are rendered in shades of gray and white, creating a professional and data-oriented aesthetic.

FINANCIALS

Statutory Financial Statements: The change of standards with regard to the consolidation of joint ventures (IFRS 10, 11 and 12) resulted into the change of the consolidation method. IFRS 11 abolishes the concept of the proportional consolidation of the jointly controlled entities. Instead, the jointly controlled entities are now consolidated with the Equity method.

FINANCIALS | FY 2014 KEY P&L FIGURES (STATUTORY)

P&L	2014	2013
amounts in thousand Euros		
Turnover	278,182	251,216
Gross Profit	51,313	44,014
EBIT	14,658	8,830
EBITDA	23,518	17,722
Adjusted EBITDA*	21,894	17,722
EBT	10,088	6,003
EAT&MI	6,502	2,486

Margins (%)

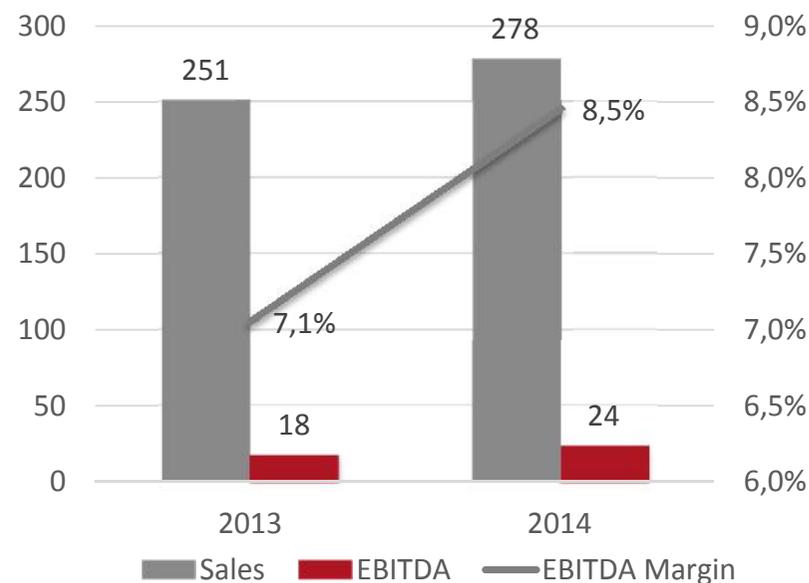
Gross Profit Margin	18.4%	17.5%
EBIT Margin	5.3%	3.5%
EBITDA Margin	8.5%	7.1%
Adjusted EBITDA Margin*	7.9%	7.1%
EBT Margin	3.6%	2.4%
EAT&MI Margin	2.3%	1.0%

Cash Flows

Cash Flows from Operations	12,223	10,118
Cash Flows from Investments	(9,642)	(5,628)
Cash Flows from Financial Activities	(11,767)	(8,075)
Cash & Cash Equivalents	32,879	41,622
FCF	6,906	8,933

Improved Group Financial Performance driven by:

- Increased sales mainly due to strong demand of TF BU in Europe and in the US,
- Effective control of fixed costs mainly due to higher production volumes, and
- Improved product mix in both sectors



*Excluding FX Differences of € 1,165 and profit from the sale of assets of € 459

FINANCIALS | FY 2014 KEY BALANCE SHEET ITEMS (STATUTORY)

B/S	2014	2013
amounts in thousand Euros		
Non Current Assets	100,556	87,401
Current Assets	146,366	159,186
Total Assets	246,922	246,587
Debt	65,658	73,061
Cash & Cash Equivalents	32,879	41,622
Net Debt	32,779	31,439
Equity	112,453	113,706

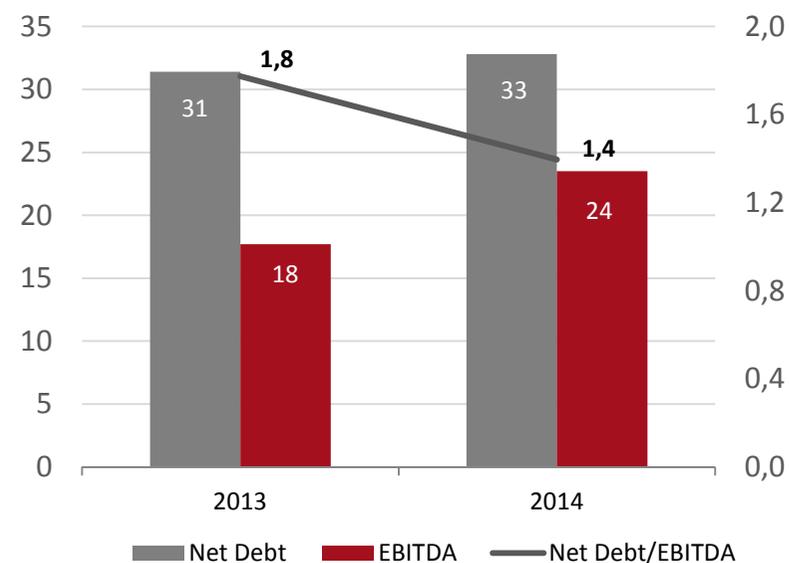
Key Ratios

Net Debt/Sales	11.8%	12.5%
Net Debt/EBITDA	1.4	1.8
EV/EBITDA	3.9	1.8
ROCE	11.2%	6.2%
ROE	5.9%	2.2%
ROIC	7.7%	3.7%

Working Capital

Avg Inventories Days	82	92
Avg Trade Receivables Days	66	72
Avg Suppliers Days	50	53

CAPEX	2014
amounts in thousand Euros	
Market Preservation	4,392
Market Growth	7,679
Cost Saving	763
Total CAPEX 2014	12,834
out of which:	
CAPEX of Greek Subsidiaries	8,800
CAPEX of subsidiaries abroad	4,034



FINANCIALS | Q1 2015 (STATUTORY)

	Q1 2015	Q1 2014	Δ %	
TURNOVER	66,572	62,456	6.6%	↑
GROSS PROFIT	14,404	11,886	21.2%	↑
EBITDA	7,845	4,635	69.3%	↑
EAT & MI	2,680	1,031	159.9%	↑
NET DEBT	35,746 (Net Debt 31.03.2015)	32,779 (Net Debt 31.12.2014)	9.1%	↑
NET DEBT / EBITDA	1.14 (Net Debt 31.03.2015/ Annualized EBITDA)	1.39 (Net Debt 31.12.2014/ EBITDA)		

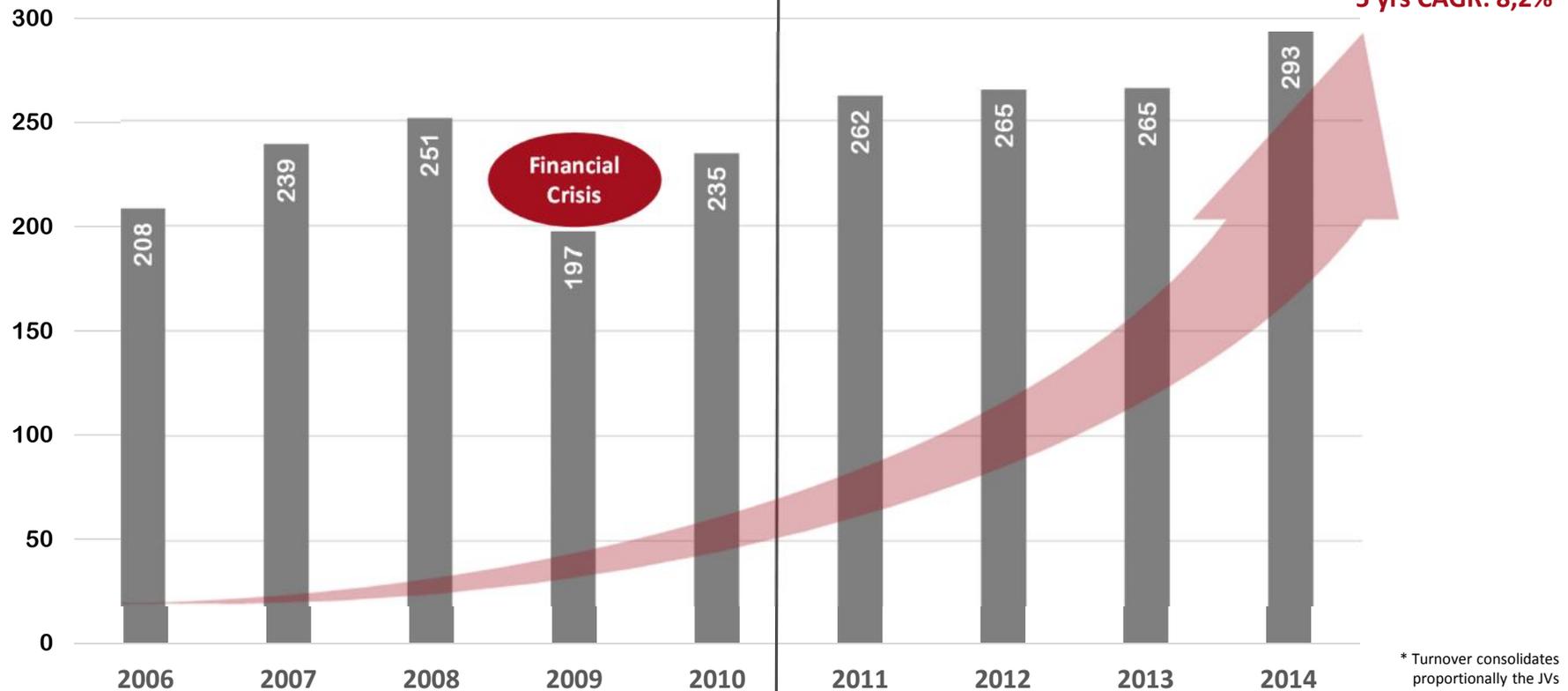


STRATEGY

Pursuing **profitable growth** through
investment in **capacity & innovation**

THRACE GROUP | SALES DEVELOPMENT 2006 – 2014

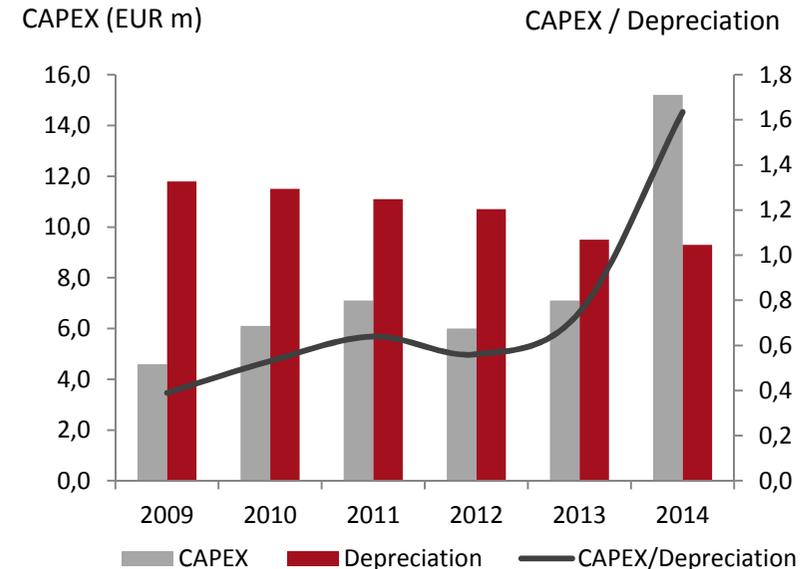
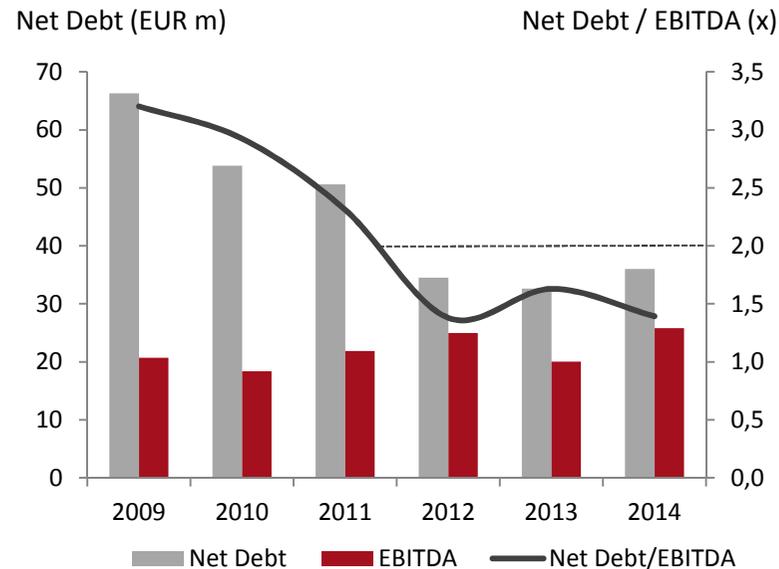
Turnover (EUR m) *



- Profitable and cash generating growth
- The Group was already a multinational company but with the foundations of a family-owned business

- Building the foundations (people & systems) to support operations and future growth
- Divesting from loss-making business and business that did not fit into the strategic objectives

THRACE GROUP | FROM FOCUS ON DEBT TO FOCUS ON GROWTH



Net Debt Reduction of more than €33m since 2009

- Limited investments due to the global economic uncertainty
- Strong performance and Cash flows enabled reduction in Net Debt
- Net Debt / EBITDA below 2x since 2012 – special attention is given to this KPI

CAPEX of more than €30m for 2015 (orders already placed)

- CAPEX for 2016 – 2019 is expected to exceed depreciation
- Net Debt and Cash position allows to implement Group's investment plan
- Net Debt / EBITDA to continue not to exceed 2x for the period 2015 – 2019

Profitable Growth

Market-driven Organic growth

- Increase Capacity
 - Geographical expansion
-
- Focus on two major growth markets:
 - Nonwovens (spunbond & needlepunch)
 - Expand the Rigid Packaging in SE Europe

Value Capture (increase margins)

- Further reduce production cost
- Improvement of Product Mix (shift of sales to the high margin products)
- Development of new high margin products
- Going downstream to the production chain
- Development of Branded Consumer products

Investment Plan 2015 – 2019

Product Development Plan

Process Improvement Plan

Increased R&D

Enhance Innovation

OUR VISION

To be the most **valuable partner for our customers and suppliers** and to consistently increase **shareholders' value** while ensuring **a prosperous future for all individuals working in the THRACE GROUP**



BOARD OF DIRECTORS

- Constantinos Chalioris:** Chairman & CEO
Theodosios Kolyvas: Executive Vice-Chairman
George Braimis: Executive Member
Dimitris Malamos: Executive Member
Vassilis Zairopoulos: Non-Executive Member
Stephen Duffy: Non-Executive Member
Christos Chiatis: Independent Non-Executive Member
Petros Fronistas: Independent Non-Executive Member
Constantinos Gianniris: Independent Non-Executive Member
Ioannis Apostolakos: Independent Non-Executive Member

AUDIT COMMITTEE

- Christos Chiatis:** Independent Non-Executive Member,
Chairman of the Committee
Constantinos Gianniris: Independent Non-Executive Board Member
Ioannis Apostolakos: Independent Non-Executive Board Member

The Company, in compliance with the provisions and regulations of Law, compiled and applies its own Corporate Governance Code, the text and the content of which are generally available to the website of the Company www.thracegroup.com.

SUPPLEMENTARY MATERIAL

Group's **Production Plants**
and **Product Range** per Business Unit

THRACE GROUP | TECHNICAL FABRICS PRODUCTION PLANTS



Thrace Nonwovens & Geosynthetics S.A.
Xanthi, Greece



Non-wovens plant
[Needle punch]

Non-wovens plant
[Spun bond]

Wovens plants



Products: Polypropylene woven flat and circular fabrics, needlepunched and spunbond nonwoven fabrics, staple fibres, multifilament yarns and tapes, HDPE tape and monofilament nets, polypropylene ropes, webbings, monofilament yarns, vapour control layers, roofing membranes and specialty textile materials

Areas of Applications: Geosynthetics, agri & horticulture, building construction, industrial fabrics, packaging, furniture & bedding, filtration, disposables, medical, workwear.

Markets: Thrace NG exports all over the world, in more than 80 countries



Don & Low Ltd
Forfar, Scotland



Non-wovens plant
[Spun bond]

Wovens plant



Products: Woven polypropylene, nonwoven polypropylene, nonwoven polyethelene, polypropylene yarns, armordon

Areas of Applications: Floorcoverings, horticulture, medical, furniture & bedding, goesynthetics, industrial textiles, industrial yarns, construction, composites

Markets: the products are sold internationally with key markets being Europe and North America.

THRACE GROUP | TECHNICAL FABRICS PRODUCTION PLANTS

THRACE LINQ
MEMBER OF THRACE GROUP



Thrace Linq Inc.
Summerville, SC USA

Non-wovens plant
[Needle punch]



Products: Geosynthetics including Silt Fence, Woven Slit Film, Medium Strength, Monofilaments, Civil Nonwovens, Paving Fabrics, Environmental Nonwovens. Agricultural including Agrotextiles Groundcover and Landscape. Industrial Fabrics including Absorbency

Areas of Applications: Agriculture, Automotive, Construction, Filtration, Furniture & Bedding, Laminates, Packaging

Markets: North America, Mexico, Central and South America

Lumite



Lumite Inc.
Alto, GA USA

Wovens plant



Products: Mining/solids separation, waste water treatment, municipal water filtration, pool and spa filtration, swimming pool covers, trampolines, backpacks, protective vests, military gear, footwear, ground cover, shade fabric, greenhouse film, turf reinforcing mats, geo tubes and antiviral screening.

Areas of Applications: Horticultural, Industrial, Recreational, Geotextiles and Military

Markets: Key markets are North, Central and South America. Lately increasing presence in China and Australia

THRACE Eurobent
MEMBER OF THRACE GROUP



Thrace Eurobent S.A.
Xanthi, Greece

GCL plant



Products: GCL (Geosynthetic Clay Liner)

Areas of Applications: The base and surfaces seals for landfill sites, Canals and storage reservoirs, Tank storage sites, Composting plants, Biotopes, Tunnel and building seals, Filtering and storage reservoirs, Run-off basins, Roads leading through environmentally sensitive areas

Markets: **Mainly** European market and Turkey. Targeting Arabian peninsula, Latin America

THRACE GROUP | PACKAGING PRODUCTION PLANTS



Thrace Plastics Pack S.A.
Ioannina & Xanthi, Greece

Injection plant
Ioannina

Thermoforming plant
Ioannina

Injection plant
Xanthi



Thrace Plastics S.A.
Xanthi, Greece

Films plant
Garbage bags plant



Products: Injection Moulded Containers, Thermoformed Cups & Lids, Thermoformed Drinking Cups, Bags in Box, 5 Gal. Polycarbonate Bottles.

Areas of Applications: Industrial packaging for the Paint/Chemical Industry and Consumer Packaging for the Food industry

Markets: The main market of Thrace Pack has traditionally been South East Europe, but over the past decade it has become a considerable player in Northern and Western Europe. Lately Thrace Pack has expanded its activities towards new markets, such as Africa and the Gulf based areas.

Products: PE Bags, FFS film, FIBC liners, Shrink film, Top Cover, Stretch Hood and Shrink Pallet Cover Film.

Areas of Applications: Wide range of packaging solutions for chemicals, animal feed, minerals and foodstuff.

Markets: Mainly in Greece. Through its close collaboration with its subsidiaries, Thrace Plastics Co S.A. has created a solid sales network in Great Britain, while targeting the markets of the rest of Europe.

THRACE GROUP | PACKAGING PRODUCTION PLANTS



Thrace Ipoma A.D.
Sofia, Bulgaria



Injection plant

Thermoforming plant

FIBC plant



Products: Rigid packaging (pails, containers), Crates (general purpose, soft drinks and beer), Chairs, Stadium seats, FIBCs, Big Bags.

Areas of Applications: Industrial use; food, chemical and paints production industries; meat, bread and agricultural processing; fertilizers and bulk materials handling etc.

Markets: The main markets of Thrace Ipoma have traditionally been Bulgaria, Eastern Europe and the Balkans, but over the last decade we successfully expanded and sell all over Europe.



Thrace Greiner SRL
Sibiu, Romania



Injection plant



Products: Round and oval buckets and lids, with IML finishing. Oval or rectangular containers with IML finishing. Full range of rounds buckets between with offset printing.

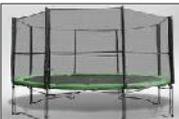
Areas of Applications: Food Industry (dairy products, ketchup & mustard, ice cream, nutritive bases/substances), Paints industry

Markets: The main market of Thrace Greiner Packaging SRL is Romania but the Company is exporting to the wider area of SE Europe.

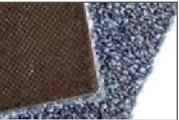
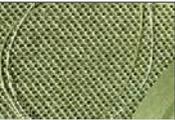
THRACE GROUP | TECHNICAL FABRICS PRODUCT RANGE AND APPLICATIONS

Product Family	Products				Applications
 <p>GEOSYNTHETICS</p>	 <p>Nonwoven Geos</p>	 <p>Erosion Control Mats</p>	 <p>Slit Fences</p>	 <p>Geobags / Gtextile tubes</p>	<p>WHERE: Roads, railways, paving, landfills, mines, river banks, channels, pipe inlet/outlets, construction sites, slopes and shorelines, foundation walls, offshore breakwater construction.</p> <p>WHY: Filtration, separation, erosion control, drainage, leachate collection, methane gas collection functions.</p>
 <p>Woven Geos</p>	 <p>Geogrids</p>	 <p>Drainage nets</p>	 <p>GCL</p>		
 <p>CONSTRUCTION</p>	 <p>Stadium Seats</p>	 <p>Roofing Membranes</p>	 <p>Housewraps</p>	 <p>Scaffoldings</p>	<p>WHERE: Stadiums, sports halls, entertainment venues, roofs, walls, timber and steel framed constructions, floor slabs, driveways, precast units, buildings, pools, construction sites, athletic courts, demolition sites, work zones, highways, ski trails, lift lines.</p> <p>WHY: Vapor control, breathability, reflectability, crack control of concrete, rubbish or debris containment, protection from driving rain and wind, crown safety and control functions.</p>
 <p>Concrete Fibres</p>	 <p>Road Safety Nets</p>	 <p>Vapor Control</p>			
 <p>FILTRATION</p>	 <p>Liquid Filtration</p>	 <p>Air Filtration</p>	<p>WHERE: Chemical processing, mining, sugar refining, water filtration, waste water treatment, beverage and pool/spa, vacuum cleaners, respirators, cartridges</p> <p>WHY: Dewater ores, clarify waste water and purify swimming pool and drinking water, air filtration, respirators filters.</p>		

THRACE GROUP | TECHNICAL FABRICS PRODUCT RANGE AND APPLICATIONS

Product Family	Products				Applications
 <p>AGRI / HORTICULTURE AQUACULTURE</p>	 <p>Groundcover</p>	 <p>Root Barrier</p>	 <p>Weather Protection</p>	 <p>Mulching</p>	<p>WHERE: Greenhouses, gardens, nurseries and landscaped areas, Outdoor storage of straw bales & sugar beets, indoor storage of goods, harvesting, multiple agricultural applications, in anchor & mooring lines for small craft swings, lead ropes and rope ladders, ship docking, trucks, fish farming, fishing.</p> <p>WHY: Maintain even soil temperatures, Root control, rain, snow, wind, frost and hail protection, minimizing the risk of mould creation, breathability, prevent the growth of weeds, bird and insect protection, shading, Seed experimentation and breeding controlled pollination</p>
 <p>Cropcover</p>	 <p>Nets</p>	 <p>Cages / Shade</p>	 <p>Olive Collection</p>		
 <p>LANDSCAPE / GARDEING</p>	 <p>Landscape</p>	 <p>Gardenig /DIY Mini Rolls</p>	 <p>TerraHome</p>	<p>WHERE: Commercial venues and private gardens, floriculture, small greenhouses, landscaping, tree planting, paving.</p> <p>WHY: Weed growth prevention, erosion control, shading, protection, reparation, reinforcement, anti-freeze.</p>	
 <p>SPORT & LEISURE</p>	 <p>Trampoline Fabrics</p>	 <p>Pool Covers</p>	<p>WHERE: Trampoline mats, trampoline safety enclosures, aquatic trampolines and catamaran beds, Outdoor and indoor pools.</p> <p>WHY: Pool cover is used in conjunction with heavy springs, serving as a cover to keep out the elements during the off season. It also serves as a safety mechanism for protection against accidental falls into the water</p>		

THRACE GROUP | TECHNICAL FABRICS PRODUCT RANGE AND APPLICATIONS

Product Family	Products					Applications
 <p>FLOOR COVERING</p>	 <p>Carpet Backing</p>	 <p>Pile Yarns</p>	 <p>Carpet Tile Backing</p>	 <p>Carpet Warp – Weft Yarns</p>	<p>WHERE: Tufted Carpets, automotive, residential, contract, Carpet tile backing, Woven carpet production</p> <p>WHY: primary carpet backing to provide a base cloth to hold the yarn in place. Secondary carpet backing provides further pile-yarn stability and increases stability to the carpet structure, pile yarns for woven and tufted carpets, fibre distribution and shrinkage</p>	
	 <p>Underlay Substrates</p>					
 <p>FERNITURE & BEDDING</p>	 <p>Covering Separation</p>	 <p>Pocket Springs</p>	 <p>Tablecloth Fabrics</p>	 <p>Allershield Aquashield</p>	<p>WHERE: Furniture and Bedding Industry (pillow cases, neatening fabrics, separating layers, dust covers, cushion fabrics, pocket springs, bottom and back covers, quilting layers. It is also used as a home textile for table cloths, mattress covers, suit covers and curtain blinds), Bedding, medical, incontinence bedding laminate, allergy relief laminate</p> <p>WHY: allergy relief bedding, water resistance. anti-microbial or fire-retardant</p>	
	 <p>Bedding Reinforcement</p>					
 <p>ADVANCED FABRICS</p>	 <p>Armorweave[®]</p>	 <p>Armordon[®]</p>			<p>WHERE: Footwear, protective vests, aircraft and marine seats, backpack straps and backing, helmets and military gear, Ballistics, armour and security panelling, blast protection, personal applications, automotive exterior and interior panelling, luggage, loudspeaker cones, concrete shuttering</p>	

THRACE GROUP | TECHNICAL FABRICS PRODUCT RANGE AND APPLICATIONS

Product Family	Products				Applications
 <p>MEDICAL & HYGIENE</p>	 <p>Gowns & Drapes</p>	 <p>Instrument Tray Wraps</p>	 <p>Medical Wipes</p>	 <p>Ostomy Bags</p>	<p>WHERE: surgical masks, head covers, surgical coats, aprons, shoe covers, protective overalls and face masks, chemical suits, transport of medical instruments, preventing fluid or blood transfer. base carriers for the wipes industry, Ostomy, Bedding, medical, incontinence bedding laminate, allergy relief laminate</p> <p>WHY: Safety, protection, softness, high tensile strength & elongation, comfort, protects the skin from moisture build up, allergy relief</p>
 <p>AUTOMOTIVE</p>	 <p>Car Mats and Liners</p>	 <p>Seating</p>	 <p>Car Cover Fabrics</p>	 <p>Acoustic Absorbents</p>	<p>WHERE: Pull straps, seam reinforcement, seat backs, seat cover construction, car covers, upholstery backing, car mats, boot liners, under body shield</p> <p>WHY: covering and protecting car seats and in general producing upholstered seats, barrier and/or breathable properties, lightness, durability, sound absorption, safety, comfort, fuel efficiency, Oil, Diesel, Water Repellent, flame resistance</p>
 <p>ARNO WEBBINGS / STRAPS / ROPES</p>	 <p>Straps</p>	 <p>Ropes</p>	 <p>Webbings</p>	 <p>Text Webbings</p>	<p>WHERE: Car, bicycle & sail tie straps and webbings, luggage, ratchet & general purpose straps and webbings, high performance stainless steel buckles for automotive and marine applications. Multiple agricultural applications, anchor & mooring lines for small crafts, swings, lead ropes and rope ladders, ship docking, transportation</p> <p>WHY: ARNO patented non-slip steel buckles, strength, resistance to acids and alkalis, easy to splice</p>

THRACE GROUP | TECHNICAL FABRICS PRODUCT RANGE AND APPLICATIONS

Product Family	Products				Applications
 <p>INDUSTRIAL FABRICS</p>	 <p>Tarpaulin</p>	 <p>Lamination – R. Substrates</p>	 <p>Passenger Transport</p>	 <p>Industrial Workwear</p>	<p>WHERE: protect stacks of big-bags and palletized products, Thrace Group tarpaulins can also be used for other protection purposes, Lamination substrate, construction, packaging, composites, automotive, composites hoses, environmental liners, Airline, passenger transport, surgical masks, head covers, surgical coats, aprons, shoe covers, protective overalls and face masks, chemical suits, FIBC manufacturing</p> <p>WHY: protect packed bulk products from the sun, rain, snow, ice, wind and dirt, stability, strength and reinforcement to products, Absorbency</p>
 <p>Defense</p>	 <p>Absorbents</p>	 <p>FIBC Fabrics/ Components</p>	<p>WHERE: Filtration fabrics, slings, industrial, braided ropes, webbings, sewing, nets, belts, Cable filling, cable identification, Filtration fabrics, slings, braided ropes, webbings, sewing, nets, belts, Woven and tufted carpets for various end-use applications (automotive, residential, contract), Woven carpet production, Sewing, slings, industrial, braid ropes, webbings, nets, belts, filtration, PP Staple Fibres make them suitable for a variety of applications: geotextiles, filtration products, furniture & bedding materials, automotive fabrics and textiles for other industrial uses.</p> <p>WHY: resistance to acids and alkalis, easy identification of a variety of cabling products, high tenacity, chemical resistance and flexibility, smooth performance during sewing</p>		
 <p>INDUSTRIAL YARNS - FIBRES</p>	 <p>Monofilament Yarns</p>	 <p>Cable Fillers</p>		 <p>Cable Identification</p>	 <p>PP Yarn for filtration</p>
 <p>PP Carpet face Yarns</p>	 <p>Sewing Yarns</p>	 <p>PP Carpet Weft Yarns</p>	 <p>PP Staple Fibers</p>		
 <p>PP Yarns for Webbings</p>	 <p>Curtain Header Tape</p>	 <p>PP Tapes</p>			

THRACE GROUP | PACKAGING PRODUCT RANGE AND APPLICATIONS

Product Family	Products			Applications
 <p data-bbox="248 576 575 683">INJECTION/BUCKETS/ PAILS/CONTAINERS</p>	 <p data-bbox="591 464 770 533">Round and Oval</p>	 <p data-bbox="777 464 956 533">Square and Rectangular</p>	 <p data-bbox="963 464 1142 533">Special Containers</p>	<p data-bbox="1346 347 2065 464">Food: baking ingredients, biscuits, confectionery, desserts, dairy products, yellow fats, ice cream, pet food, seafood, salads, sauces, soups, salt, jams, honey</p> <p data-bbox="1346 464 2065 683">Non-food: paints, adhesives, coatings, construction materials, fertilisers</p>
 <p data-bbox="248 932 575 1038">THERMOFORMING CUPS</p>	 <p data-bbox="591 820 770 888">Cups and Lids</p>	 <p data-bbox="777 820 1142 888">Drinking Cups</p>		<p data-bbox="1346 703 2065 794">Dairy products, yellow fats, confectionery, ice cream, jams</p> <p data-bbox="1346 794 2065 1038">Water and beverages, cold coffee, beer</p>
 <p data-bbox="248 1287 575 1372">CRATES</p>	 <p data-bbox="591 1176 770 1244">General Purpose</p>	 <p data-bbox="777 1176 1142 1244">Bottle Crates</p>		<p data-bbox="1346 1059 2065 1114">Agricultural products, bread, meat</p> <p data-bbox="1346 1114 2065 1372">Beer, soft drinks, alcoholic drinks, other bottled drinks/water</p>

THRACE GROUP | PACKAGING PRODUCT RANGE AND APPLICATIONS

Product Family	Products				Applications
 <p>FIBC / FILLING SOLUTIONS</p>	 <p>Reel Bags for auto filling</p>	 <p>1 & 2 Loop Bags</p>	 <p>4 & 5 Loop Bags</p>	 <p>Filling Solutions</p>	<p>Reel bags, loop bags and automatic filling systems which are developed for automatic (or not) filling lines suitable for a big range of bulk products: fertilisers, fish-feed, seeds, resins, chemicals, powders etc.</p>
 <p>BAGS – FFS FILMS</p>	 <p>PP Woven Bags</p>	 <p>PE Knitted Bags</p>	 <p>Heavy Duty Bags</p>	 <p>FFS Films</p>	
 <p>PALLET COVERING / PACKAGING FILM</p>	 <p>Shrink Hood</p>	 <p>Stretch Hood</p>	 <p>Shrink Film</p>	 <p>Pallet Cover/Hood</p>	<p>Shrink hood is commonly used as an overwrap on many types of packaging, including boxes and pallets. Stretch Hood and Pallet Hood is mainly used in palletisation as it is designed to provide excellent load protection, load stability and load visibility along with good line speed, capital cost and cost per pallet. Shrink film is commonly used as an overwrap on many types of packaging, including boxes, cartons and pallets.</p>

THRACE GROUP | PACKAGING PRODUCT RANGE AND APPLICATIONS

Product Family	Products				Applications
 <p>CONTAINER LINERS/ CARGO PROTECTION</p>	 <p>Dry Bulk Containers L.</p>	 <p>Liquid Bulk Containers L.</p>	 <p>Cargo Protection</p>	<p>The DBCL and LBCL are used for protecting dry or liquid bulk products when transporting and storing them in sea containers</p> <p>The desiccant products are designed to absorb and neutralize moisture that may accumulate in cargo spaces.</p> <p>The dunnage bags protect many types of cargos such as pallets, big-bags, boxes and rolls, during transportation in sea containers, trucks, railway wagons, etc.</p>	
 <p>GARBAGE BAGS</p>	 <p>Draw Tape</p>	 <p>Open Top</p>	<p>Draw tape is suitable for carrying goods or garbages.</p> <p>Open Top are ideal for small kitchens, bathrooms and office bins</p>		
 <p>EPS CONTAINERS & TRAYS</p>	 <p>Trays</p>	 <p>Absorbent Trays</p>	 <p>Venti Food Containers</p>	 <p>Leek-free Food Containers</p>	<p>Fruit, vegetables and meat</p> <p>Fish, Meat and Poultry products</p> <p>Cooked food (hot & cold)</p>

THRACE GROUP | PACKAGING PRODUCT RANGE AND APPLICATIONS

Product Family	Products	Applications
 <p>BAG IN BOX</p>	 <p>Metalized & Taps</p>  <p>PE & Glands</p>	<p>Wine and Spirits, Siders, Pulps</p> <p>Dairy products, edible oils, food service mixes (i.e. egg mix)</p>
 <p>ROPES & TWINES</p>	 <p>3/4 Strand Ropes</p>  <p>Twines</p>	<p>Ideal for multiple agricultural applications. Additionally, they can be used in anchor & mooring lines for small craft swings, lead ropes and rope ladders, ship docking, trucks Strapping of breeder.</p>
 <p>5 GAL BOTTLES & CAPS</p>	 <p>5 Gal Bottle</p>  <p>5 Gal Bottle w Handle</p>  <p>Non split Cap</p>  <p>Bottle Rack</p>	<p>Water, water dispensers</p>

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