Corporate Office: 510, A Wing, Kohinoor City C-I Kirol Road, Off L.B.S. Marg, Kurla (W) Mumbai - 400 070, India T: +91 22 6708 2600 / 2500



16/02/2024

To **BSE Limited** Phiroze Jeejeebhoy Towers, Dalal Street, Mumbai - 400 001.

To National Stock Exchange of India Limited Exchange Plaza, Bandra Kurla Complex, Bandra (E), Mumbai - 400 051.

Scrip code : 509152

Symbol: GRPLTD - Series: EQ

Dear Sir / Madam,

Sub: Investor Presentation

Pursuant to regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we enclose herewith Investor Presentation on the unaudited financial results of the Company for the guarter and nine months ended 31st December, 2023.

The aforesaid presentation has been uploaded on the Company's website viz., www.grpweb.com

You are requested to take the above information on your records.

Thanking you,

Yours faithfully,

For GRP Ltd.

JYOTI SANCHETI

Digitally signed by JYOTI Date: 2024.02.16 14:12:15

Jyoti Sancheti

Company Secretary & Compliance Officer

encl.: a/a



T: +91 2646 250471 / 251204 / 650433

www.grpweb.com



PRODUCING SUSTAINABLE MATERIALS FOR A CIRCULAR ECONOMY

Disclaimer



This presentation and the accompanying slides (the "Presentation"), which have been prepared by **GRP Limited** (the "Company"), have been prepared solely for information purposes and do not constitute any offer, recommendation or invitation to purchase or subscribe for any securities, and shall not form the basis or be relied on in connection with any contract or binding commitment whatsoever. No offering of securities of the Company will be made except by means of a statutory offering document containing detailed information about the Company.

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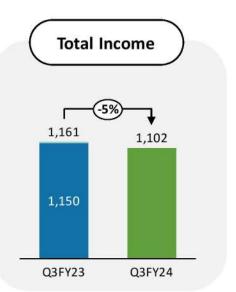
Certain matters discussed in this Presentation may contain statements regarding the Company's market opportunity and business prospects that are individually and collectively forward-looking statements. Such forward-looking statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties and assumptions that are difficult to predict. These risks and uncertainties include, but are not limited to, the performance of the Indian economy and of the economies of various international markets, the performance of the industry in India and world-wide, competition, the company's ability to successfully implement its strategy, the Company's future levels of growth and expansion, technological implementation, changes and advancements, changes in revenue, income or cash flows, the Company's market preferences and its exposure to market risks, as well as other risks. The Company's actual results, levels of activity, performance or achievements could differ materially and adversely from results expressed in or implied by this Presentation. The Company assumes no obligation to update any forward-looking information contained in this Presentation. Any forward-looking statements and projections made by third parties included in this Presentation are not adopted by the Company and the Company is not responsible for such third party statements and projections.

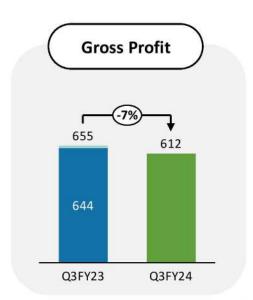


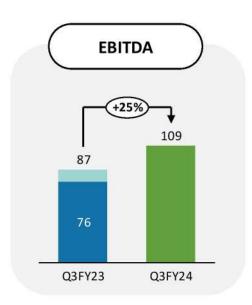
Q3FY24 Performance (YoY) - Consolidated

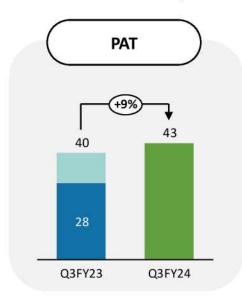


(in Rs. Mn)









Income from sale of JV

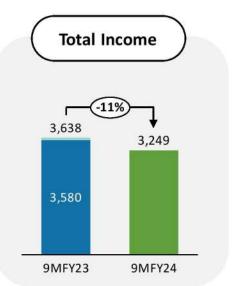
Key Highlights

- The total revenue includes a component of ocean freight passthrough which has reduced from Rs 108mn to 35mn Y-o-Y, resulting in an overall reduction in revenue
- ✓ The volume has increased by 7% from the previous quarter of the last fiscal year
- ✓ The gross margin, factoring in freight adjusted revenue, has seen a 5% uptick, primarily attributed to a 16% decrease in raw material costs
- PAT has surged by 53% excluding a one-time gain of 11mn from asset sale in the previous year. This improvement is primarily driven by increased EBITDA, largely stemming from reduced expenses, including a 17% decrease in Material costs (RM + Packing), 9% reduction in Wages, 13% in consumables and repairs, and lower freight costs.

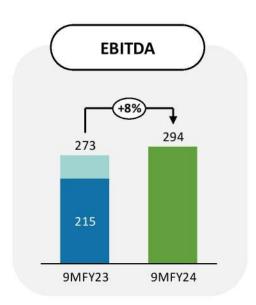
9MFY24 Performance (YoY) - Consolidated

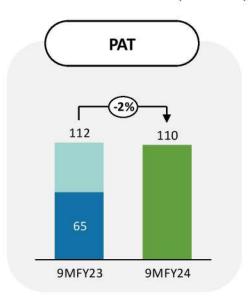


(in Rs. Mn)









Income from sale of JV

Key Highlights

- The decline in income is predominantly attributed to the reduction in the ocean freight passthrough component, decreasing from Rs 452mn to Rs 100mn Y-o-Y
- ✓ The YTD Gross margin, adjusted for ocean freight, has experienced a 5% increase, mainly due to 9% reduction in raw material costs.
- EBITDA has risen in comparison to 9MFY23, driven by cost reductions in raw materials and energy savings achieved through the switch to wind energy starting Apr'23
- ✓ PAT has grown by 69%, excluding a one-time gain of 47 million from the sale of investments and assets (net of taxes) in 9M FY23

Operational Highlights





The gross margin adjusted for ocean freight has experienced a 5% increase, mainly due to a decrease in raw material costs. This decline in RM costs is driven by decreased demand from China, a fall in crude oil prices, and a rise in the import of raw materials into the country.



There is a continual enhancement in the EBITDA of the reclaim business, attributed to reduced conversion costs, facilitated by improved manpower efficiency and savings in energy costs



The profit margins were positively impacted by ocean freight reduction from high of 16% of export sales in YTDFY23 to 5% of export sales in YTDFY24.



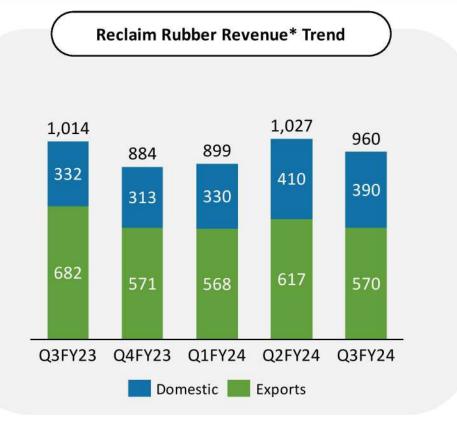
After the fire incident, the non-reclaim businesses have recovered to normalcy, and there is a continuous improvement in the order book. Revenue and profitability levels are now equivalent to those of the previous years

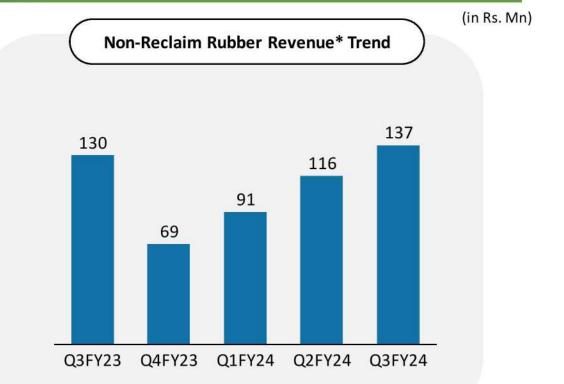


Investments in renewable energy have started to yield results, with savings realized during the 9 months of the year. Further to this, capex is being allocated to renewable bio-fuel systems which are expected to contribute to the bottom-line from Mar'24

Segment Wise Quarterly Performance Trend - Standalone







Key Highlights

- ✓ Local volume in the Reclaim sector has witnessed a 20% increase, while export volume has decreased by 4% compared to the previous year's Q3.
- Non-reclaim business has rebounded to levels before the fire incident, with its share rising from a low of 7% in Q4 of FY23 to 12% in Q3 FY24

Segmental Financial Highlights - Standalone



(in Rs. Mn)

	Reclain	Rubber	Non-Reclaim Rubber	
Particulars (in Rs. Mn)*	Q3FY23	Q3FY24	Q3FY23	Q3FY24
Total Income	1,026.3	964.6	136.1	138.2
Raw Material	427.5	423.7	82.4	71.5
Other Expenses	530.7	452.2	35.4	43.8
EBIDTA	68.0	88.6	18.2	22.8
EBIDTA Margin	6.6%	9.2%	13.4%	16.5%

Key Highlights

- ✓ The Y-o-Y expansion of 260-bps in EBITDA margins for Reclaim Rubber can be attributed to decreased ocean freights, lower raw material costs, and enhanced operational efficiency
- ✓ The Non-Reclaim Rubber business witnessed a 310-bps improvement in EBITDA, driven by a 9% increase in volume.

Profit & Loss Statement - Consolidated



Profit & Loss (Rs. Mn)	Q3FY24	Q3FY23	Y-o-Y	Q2FY24	Q-o-Q	9MFY24	9MFY23	YoY
Revenue from Operations	1,097	1,143	-4%	1,144	-4%	3,234	3,555	-9%
Other Income	5	18		4		14	84	
Total Income	1,102	1,161	-5%	1,148	-4%	3,249	3,638	-11%
Cost of Goods Sold	490	506		541		1501	1,621	
Gross Profit	612	655	-7%	608	1%	1,747	2,018	-13%
Gross Profit Margin	56%	56%		53%		54%	55%	
Employee Cost	138	152		131		407	418	
Other Expenses	365	416		362		1046	1327	
EBIDTA	109	87	25%	115	-5%	294	273	8%
EBITDA Margin	10%	7%		10%		9%	8%	
Depreciation	33	30		30		90	96	
Finance Cost	19	16		19		56	47	
РВТ	57	40	42%	66	-14%	148	130	14%
Тах	14	1		20		39	18	
PAT	43	40	9%	47	-8%	110	112	-2%
PAT Margin	4%	3%		4%		3%	3%	

Balance Sheet - Consolidated



Assets (Rs. Mn)	Sep-23	Mar-23
Non-Current Assets	1,410	1,248
Property, Plant and Equipment	1,073	940
Capital work in progress	153	110
Right of use assets	82	83
Investment Property	10	10
Other Intangible assets	1	1
Intangible assets under development	1	1
Financial Assets		
(i)Investments	1	1
(ii)Others	0	0
Other Non-Current Assets	90	102
Current Assets	1,644	1,620
Inventories	435	464
Financial Assets		
(i) Investments	160	157
(ii)Trade receivables	780	707
(iii)cash & cash equivalents	3	6
(iv)Bank balances other than mentioned	1	1
(v)Other Financial assets	128	142
Current Tax Assets (Net)	3	13
Other Current Assets	134	130
Total Assets	3,054	2,867

Liabilities (Rs. Mn)	Sep-23	Mar-23
Equity Share Capital	13	13
Other Equity	1,503	1,461
Equity attributable to owners of the Company	1,516	1,474
Non-Controlling Interests	0	0
Total Equity	1,516	1,474
Non-Current Liabilities	340	389
Financial Liabilities		
(i)Borrowings	196	249
(ii)Lease Liabilities	5	5
(iii)Other Financial liabilities	1	1
Provisions	23	17
Deferred Tax Liabilities (Net)	115	117
Current Liabilities	1,198	1,004
Financial Liabilities		
(i)Borrowings	743	634
(ii)Lease Liabilities	3	4
(iii)Trade Payables	188	155
(iv)Other Financial Liabilities	26	42
Other Current Liabilities	222	154
Provisions	16	16
Total Equity & Liabilities	3,054	2,867



Tyre Graveyards are Increasing across the Globe



8 Billion people in the world



1.7 Billion new tyres produced a year



Creating huge

TYRE GRAVEYARDS...

1.4 Billion vehicles on the road

Over 1 Billion waste tyres generated per year



...Presenting a HUGE OPPORTUNITY



Huge tyre graveyards that can be seen from space





GRP uses end-of-life tyres to recycle and manufacture



Reclaim rubber, Engineering plastics, Die-cut products & Polymer Composite products

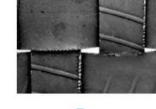
















...To Reduce, Reuse & Recycle









POLYMER COMPOSITE

- Manufactured from 100% recycled rubber and plastics
- Product is environmental friendly, strong and durable as a substitute to wood & concrete

REUSE



CUSTOM DIE FORMS Custom die forms engineered from end of life truck and bus bias tyres used in application where low cost solutions are a necessity like door mats, impact resistance products and agriculture equipment

RECLAIM RUBBER Produced from end of life tyres, automotive inner tubes, automobile profiles and moulded rubber products to produce consistent quality reclaim rubber

RECYCLE



ENGINEERING PLASTICS

 Recovery and Reuse of polyamide from endof-life tyres, a key competitive advantage is the continuous availability of in-house raw materials

Global & Indian Tyre Industry Performance



Global Tyre Market

Particulars	Europe	North & Central America	South America	Asia (Excl. China & India)	Global market*
OE tyres	11%	9%	3%	10%	9%
RT tyres	-4%	0%	9%	-4%	0%
	Tı	uck tire, CY23 (% chan	ge Y-o-Y, in no. of ty	res)	
OE tyres	5%	-4%	-25%	3%	11%
RT tyres	-7%	-15%	6%	-3%	-2%

* Including China

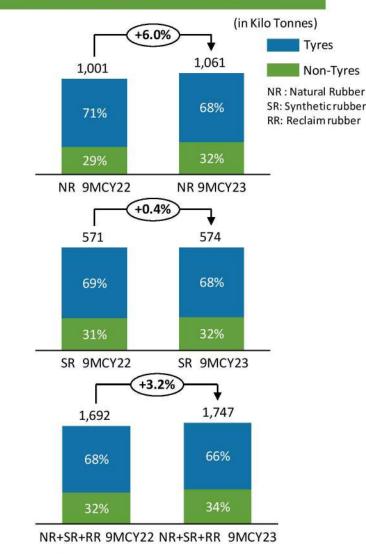
Global Tyre trends

- ✓ PC/LT OE grew by 9%, returning to its 2019 level with RT demand remaining flat
- The drop in SA Truck OE demand is a continuation of the introduction of a new anti-pollution standard in Jan'23, which had led to early purchases in 2022
- ✓ Truck (RT): In Europe, demand was penalized by freight business affected by the economic slowdown, particularly in Northern Europe

Indian market

- ✓ There is an uptick in non-tyre segment consumption of natural and synthetic rubber
- ✓ Total absolute consumption in tyre remains flat, with a degrowth in the share
- ✓ However, there has been a surge in tyre demand in Q4 CY24

Indian Rubber Consumption



Positive and Sustainable Outlook...



MoEFC has introduced EPR norms for waste tyres

'Extended Producer Responsibility' means responsibility of producer of tyres to ensure environmentally sound management of waste tyres as per the provisions of this regulation

✓ The obligations to recycle waste tyre drives circularity and thereby, presents a positive outlook for GRP and industry in general

What it means to recyclers?

- ✓ It provides a larger opportunity to support manufacturers to handle their waste better
- ✓ Streamlines sourcing of waste tyres being generated in the country
- ✓ Secures credit for contributing to circular economy

Proposed EPR targets for manufacturers or importers of new tyres

Year	% of the quantity of new manufactured or tyres imported in year
FY23	35%, FY21
FY24	70%, FY22
FY25	100%, FY23
FY25+ (Year Y)	100%, Year (Y-2)

For Units established after 1st Apr. 2022, the EPR obligation shall start after two years (Y) and shall be 100% of the new tyres manufactured or imported in the year (Y-2)





Our Business

GRP in a Nutshell



About GRP

- GRP was established in 1974, it is a diversified Indian corporation manufacturing and providing high quality sustainable materials to global polymer product companies
- ❖ GRP operates 5 business vertical (Reclaim Rubber, Engineering plastics, Custom Die Forms, Polymer composite & Repurposed Polyolefins)
- ❖ GRP has 6 manufacturing units across India with an installed capacity to handle around 87,000 tons/annum* to service the needs of the global polymer industry and help save valuable resources of the planet
- ❖ GRP has a highly structured Integrated management system consisting of IATF 16949:2016, ISO 9001: 2015, ISO 14001:2015 and ISO 45001:2018 for all its reclaim rubber manufacturing units. Reclaim Rubber products are also all REACH Certified for EU Zone

Founded in 1974

Listed in 1977

Headquartered in Mumbai

Supplies to 8 out of top 10 global tyre companies

35% of India's Export in reclaim rubber & 16% share in Indian Market

300+ customers and export presence in 60+ countries

Our Values



Sustainability



Trust

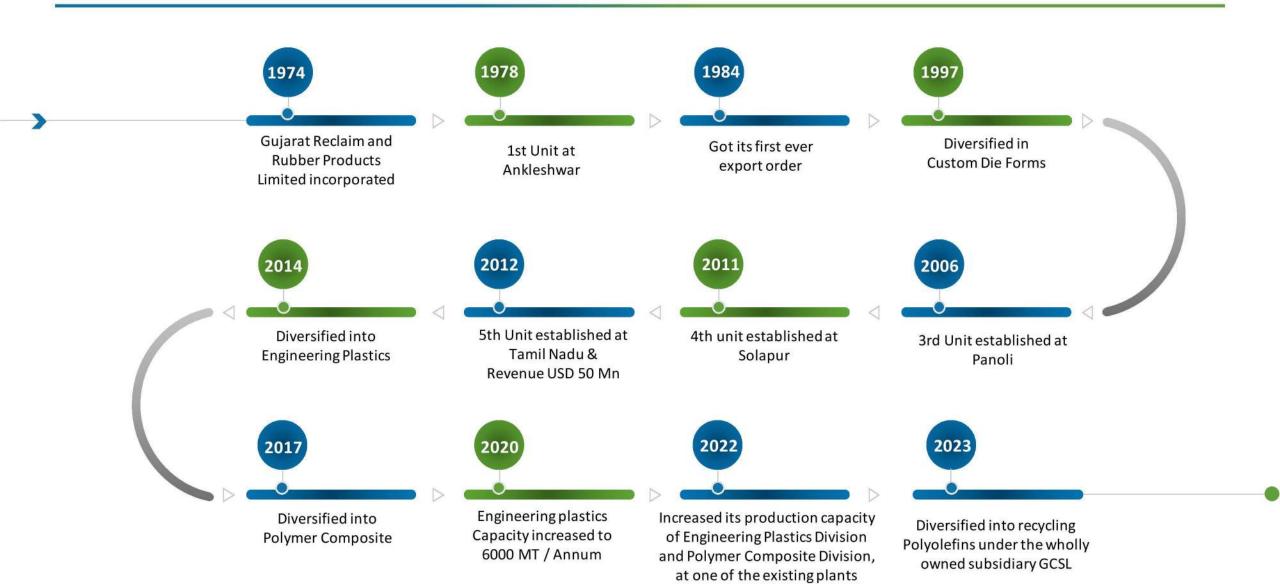
Commitment

Commitment

Integrity

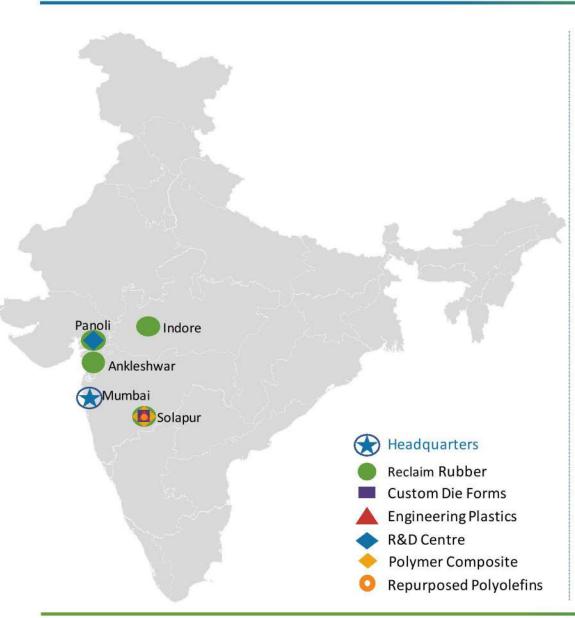
Gearing Up Towards Fifth Decade & Counting





Strategically Located State of the Art Facilities









Our Solapur Facility - Maharashtra

Our Ankleshwar Facility - Gujarat



Our Panoli Facility - Gujarat

Our Indore Facility - Madhya Pradesh

Research & Development Capabilities





> Expansion in new product categories

new products

Margin Improvement Automation of processes

Environment friendly –zero discharge

Application

Customer Relationship



- Developing new application across diversified industries
- Products designed based on customer application needs

Diversified Product Applications Across Business Verticals...



Reclaim Rubber





Diversified Product Applications Across Business Verticals...



Engineering Plastics

Custom Die Forms

Industry Applications

Consumer Automotive

Electrical & Electronics Industrial

Applications

Link Mats Door Mats

Industrial Mats Dock Bumpers



Reprocessed Nylon Glass Filled



Reprocessed Nylon Unfilled



Modified Nylon



Door Mats



Harvestor Pads



Dock Bumpers

Diversified Product Applications Across Business Verticals...



Polymer Composite

Repurposed Polyolefins

Industry Applications

Commercial transportation

Livestock transportation

Military and Government

Oil fields

Applications

Paint Pail

Lubricant Pail

Automotive battery cover

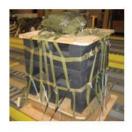
Pallets



Transportation floor beds



Oil rigs set back areas



Air drop pallets



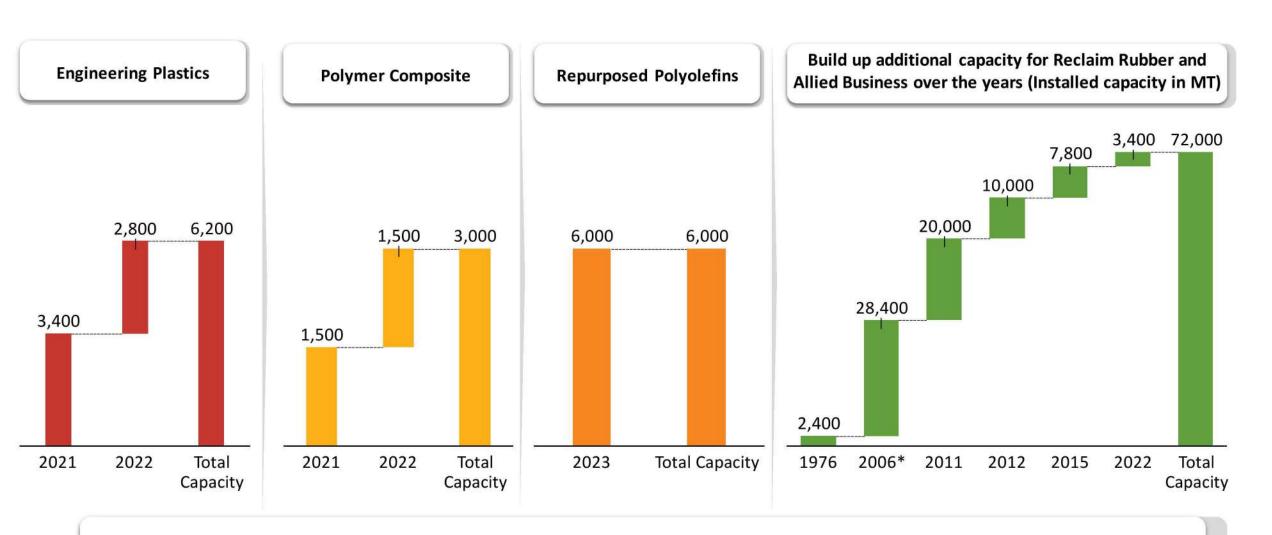
Paint & Lubricant Pail



Automotive battery cover

Capacity Addition and Capital Expenditure





During the fiscal year FY23, 6000 MTPA capacity is added under Repurposed Polyolefins

Reputed Tyre and Non-Tyre Customers



apollo	GROWING TOGETHER	BRIDGESTONE	© ntinental <u></u> ⁵
CEAT	MRF	Unbeatable! IT'S TIME TO ROLL	JETYRE TOTAL CONTROL
IRELLI	TRELLEBORG	ЖҮОКОНАМА	CARLISLE,
CAMSO	bandag	TATA STEEL	SUMITOMO RUBBER INDUSTRIES

Reputed Tyre and Non-Tyre Customers



* HUTCHINSON®	E Goldmedal® SWITCH TO THE AMAZING	DSM	HORIZON ADDIS TYRE
₹ KORYO °	MARANGONI 3335°		Mitas
melos 🐦	Innovation for Customers	ORIENTAL CONVEY ALL THE WAY	Nilkamal® India's Favourite Furniture
Mobil	Sempertrans () A MEMBER OF THE SEMPERIT-GROUP	VEYANCE" TECHNOLOGIES	

Global Partnerships for Business Growth





Polymer Composite

Contract Manufacturing with an American company since 2017 to manufacture polymer composite products in India

Custom Die Form

Contract manufacturing with an American company since 2000 to manufacture products for absorbing vibration and sound

Board of Directors





Rajendra Gandhi Managing Director

More than 40 years in General Management. Graduate engineer from Indian Institute of Technology, Mumbai. Also, a director in Steelcast Ltd.



Harsh Gandhi
Joint Managing Director

16 years in various Managerial positions. OPM program from Harvard Business School, USA & holds a Bachelor of Science in Management Purdue University, USA



Hemal Gandhi Executive Director

More than 10 years in Branding and Corporate Communications. Pursued her studies at SVT college, Mumbai & completed the women entrepreneurship programme at IIM Ahmedabad and Science of well being online course from Yale University

Board of Directors





Rajeev Pandia
Independent Director

More than 40 years and been influential in Strategic Planning, Project Evaluation & Management, Technology Transfer. Pursued Bachelor in Technology (Ch.Eng.) IIT, Mumbai, & has obtained his Masters in Science from Stanford University, USA. Also, a director in Excel Industries Ltd & The Supreme Industries Ltd.



Vivek Asrani Independent Director

More than 37 years in the business of industrial stapling, nailing and fastening systems, and Kaymo Industries, manufacturing staple pins He is a Science Graduate from St. Xavier's College and has also done LLB.



Anshul Mittal
Independent Director

More than 20 years experience in Mittal Group and also had been Chairman of CII MP State Council. Graduate from Purdue University, USA, in Bachelor of Science (Industrial Engineering) and completed his training with OTIS Elevators, U.S.A



Saurabh Shah Independent Director

More than 20 years of experience as advisor in the fields of public equity investments, private equity, capital markets and Merger & Acquisition in India.

Pursued MBA from the Stern School of Business at New York University. Also, a director in Citicorp Finance (India) Ltd.

Awards & Accolades















EcoVadis CSR Rating 2017: BRONZE 2019: SILVER



Quality Circle Forum of India Award (2012)
For 5S Competition from Vadodara Chapter for its
Ankleshwar & Panoli Units



Finalist, Parivartan Sustainability Leadership Award (2011)



Supply Chain Leader Award (2010) At Logistics 2.0



Silver Certificate of Merit (2008)









At GRP, we are committed to transitioning from a 'recycled material company' to a 'Sustainable Raw Material Company'. Therefore, embracing the certifications, partnerships required for achieving that status. Plus embracing the UN's Sustainability Development Goals

Sustainable Development Goals (Adopted By GRP)



GRP believes in 'giving back to the society and the planet', it has shown a high level of engagement across following six out of the seventeen SDGs adopted by all UN member states to build a better world for people and planet



Yoga sessions

Health camps

Power nap at H.O

Wellbeing awareness sessions

Birthday celebrations



Educational donations at Orphanage Homes, Visually impaired school and School for special needs children

Providing support for special need adults

Mobile Education Vans



20 % increase in recruitment of women across locations

Initiatives like celebration of men's and women's day



Drinking water stations and toilets for girls

Water coolers at plants



Way ahead with solar energy as a sustainable solution

Investments in Wind solutions

Introduction of greener technologies in GRP



Responsible packaging-Reduction in Wooden pallet consumption

Recycling, reusing and reducing EoL tyres, plastics and converting into sustainable materials through multiple verticals

CSR – Impact Positive Initiatives



At GRP, CSR contributes in shaping the 'How' and the 'Why' of almost every activity we undertake. Over the years, we are happy to have played a role in giving back to the community through our products as well as our CSR activities. We are grateful to have witnessed the positive impact of our efforts; in making a long-lasting difference to the people of India and the world at large



- Mobile vans for elementary education
- Vocational training for adult education
- Merit based scholarship to support University Education
- Strengthen / support existing institutes engaged in providing primary, secondary and higher level education



SUSTAINABLE LIVELIHOOD

- Vocational training aimed at employability
- Supporting initiatives around Yoga, meditation and self-help
- Awareness programs for clean living/housing facilities
- Awareness programs on hygiene, safe water
- Encouraging plantation of trees through self help groups of women



HEALTHCARE

- Primary healthcare centres
- Mobile healthcare projects
- Healthcare through awareness programs
- Blood donation camps



WOMEN EMPOWERMENT

- Girl child education upto University
- Supporting groups for women empowerment
- Building toilet for better women hygiene
- Rewards to women leaders who created positive change in villages



Manufacturer of Sustainable Products through 5 Business Verticals







GRP produces high quality reclaim rubber from end-of-life tyres, tread peelings, natural rubber and butyl tubes, moulded rubber products for use in both, tyre and non-tyre rubber products to deliver technical benefits and cost savings to its customers



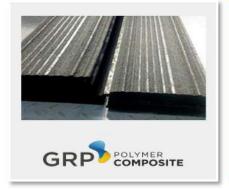
GRP Engineering plastics is a sustainable material solution provider for challenging engineering applications. Our sustainable solutions are based on unfilled, and glass reinforced Polyamide 6 (PA 6), Polyamide 66 (PA 66) and Polybutylene terephthalate (PBT)

... Manufacturer of Sustainable Products through 5 Business Verticals





GRP makes custom die forms engineered from end-of-life truck and bus bias tyres used in applications where low-cost solutions are a necessity like door mats, impact resistance products and in conveyor chain assemblies for agro equipments



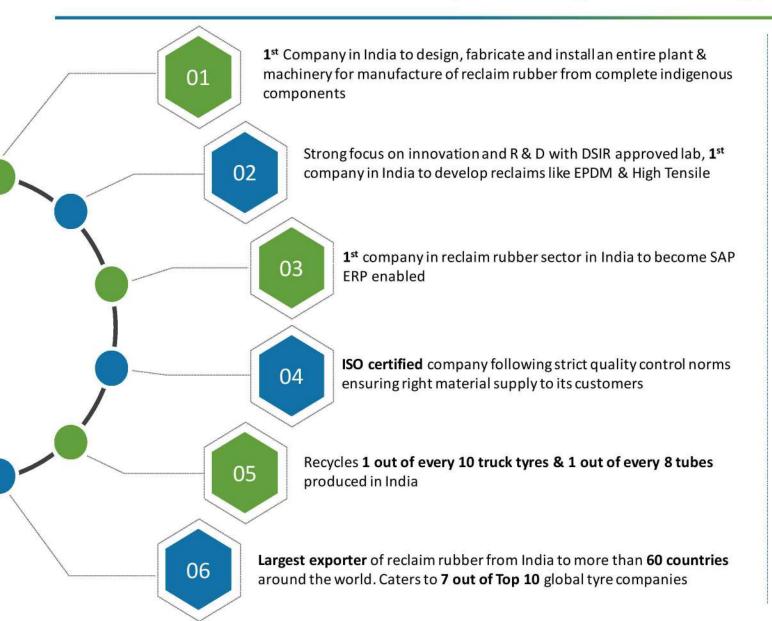
Composite material is produced using 100% recycled rubber and plastic. The products are eco-friendly and are stronger and more durable than wood. The products are well suited for application in sectors such as logistics, construction, oil & gas, aviation, marine, industrial and agriculture



Repurposed Polyolefins business is a sustainable and circular material solution provider for rigid packaging applications. Upcycle end of life polyolefin rigid packaging materials and convert it into raw materials with product performance equivalent to virgin raw materials.

Reclaim Rubber - Industry Leading Technology





VALUE PROPOSITION



- Cost-saving compared with virgin rubber
- Reduced energy consumption



- Alternative to hazardous landfills
- Substitutes natural rubber & crude based synthetic rubbers saving natural resources



PROCESSING

- Faster Mixing Cycle
- Improved extrusion rate
- Retention of good ageing properties
- Reduced splicing defects
- Controlled die swell

Reclaim Rubber – Cost Effective Alternative



PRODUCT OFFERING



Natural Rubber Reclaim

- ❖ Whole Tyre Reclaim
- Ultra High & High Tensile Reclaim
- * Natural Tube Reclaim



Synthetic Rubber Reclaim

- Butyl & Chlorobutyl Reclaim
- ❖ EPDM Reclaim



Speciality Rubber Reclaim

❖ NBR Polycoat

APPLICATIONS

Tyres & Tubes

Waterproofing & Matting

Belts

Adhesives

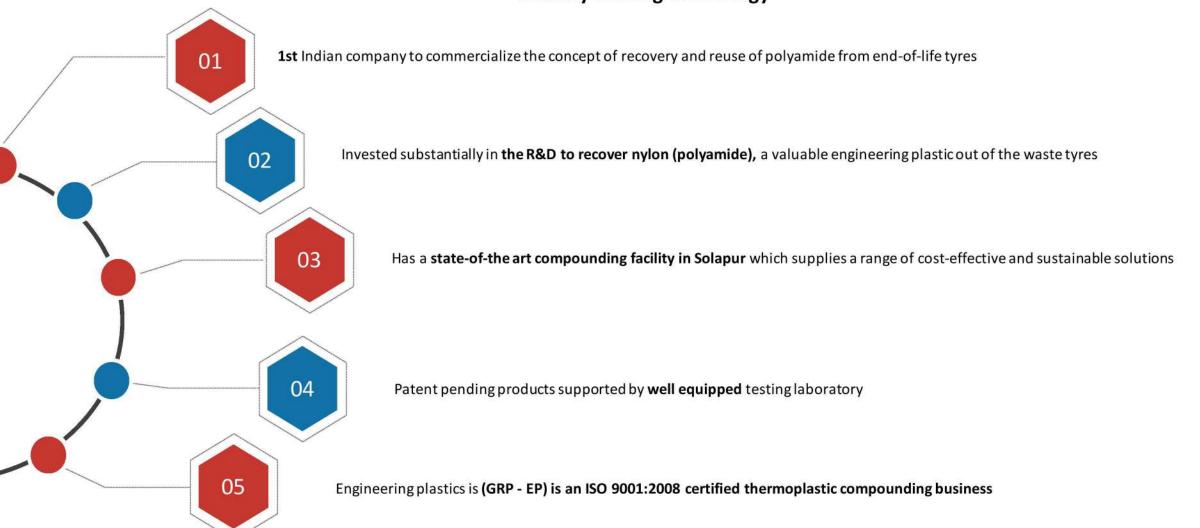


Tyre Industry - Largest Consumer of Rubber

Engineering Plastics – Valuable Engineering Plastic



Industry Leading Technology



Engineering Plastics – Valuable Engineering Plastic





Developed in-house process to recover nylon fiber from end of life tyres



Nylon fiber embedded with rubber is subjected to series of mechanical operations to separate rubber and nylon



Purified nylon fiber then converted to granules by Extrusion process



Separation of polyamide from scrap tyre results in "Pure Rubber" which in turn can be a useful raw material to make a Better Quality Reclaim

Recovered Polyamide is a useful raw material as an Engineering Plastic. It has a market which is well established and profitable

Target Market & Applications



AUTOMOTIVE

Fasteners, Clips, Bushes, Plugs, Cable Ties, Main fold, Sleeves.



INDUSTRIAL

Washers, Spacers, Industrial Bobbins, Conveying Trays, Gears



CONSUMER GOODS

Furniture Components, Couplers, Domestic Gas Accessories



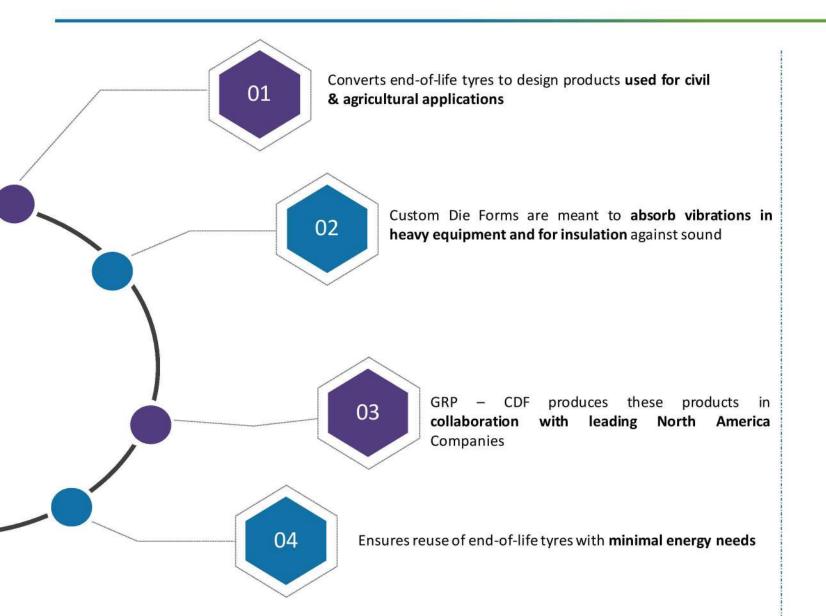
Computer Peripherals, Fuse Box, Switch Housing



Window Door Components

Custom Die Forms – Diverse Product Portfolio





Products





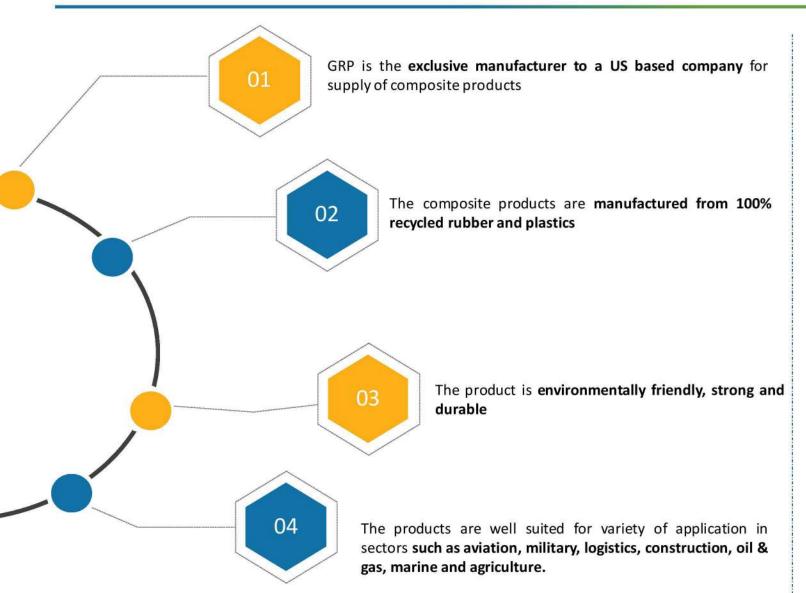


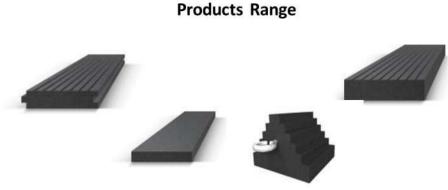


- Link Mats
- Industrial Mats
- Door Mats
- Dock Bumpers

Polymer Composite







Products benefits & features	Composite	Wood
Impervious To Fluids	✓	×
Excellent Grip	✓	×
U V Resistant	✓	×
Cost Effective	✓	×
Durable, Long-lasting, Light Weight	✓	×
Will Not Rot, Crack, Or Splinter	✓	×

Repurposed Polyolefins



INFINITE CYCLE ENABLING CIRCULAR ECONOMY:



VALUE PROPOSITION



- Helping customers fulfill their circularity aspirations
- Helping brand owners to fulfill their EPR (Extended Producer Responsibility) obligations



- Saving valuable natural resources by way of upcycling
- Leveraging maximum value from a single end of life (EOL) product



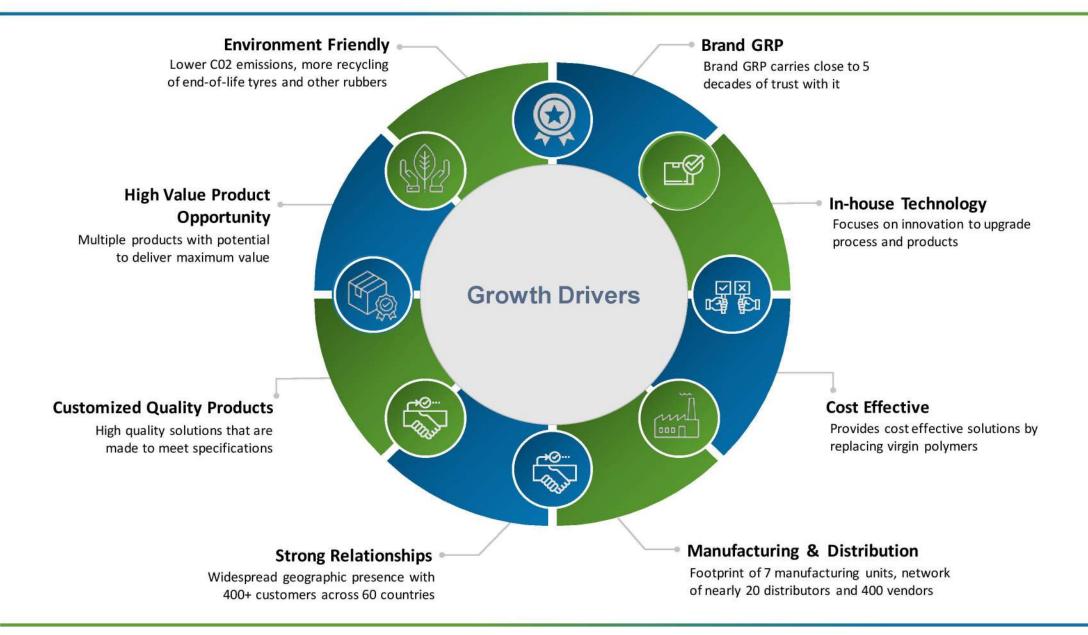
PROCESSING

Helping customers to replace 50 -100% virgin RM without compromising product performance & processability



We Have Built Sustainable Business



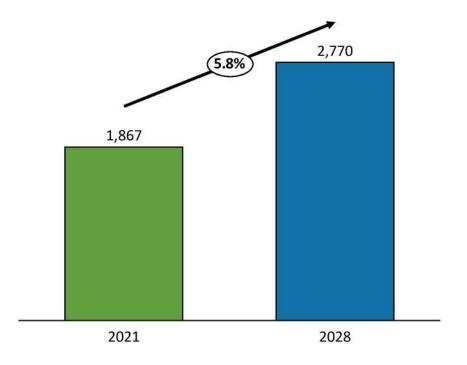


Demand Drivers for Reclaim Rubber



Global Reclaim Rubber Demand Global Reclaim Rubber market is expected to reach USD 2.16 billion by 2028

Global Reclaim Rubber Demand (Kilo Tonnes)



Global Demand Drivers

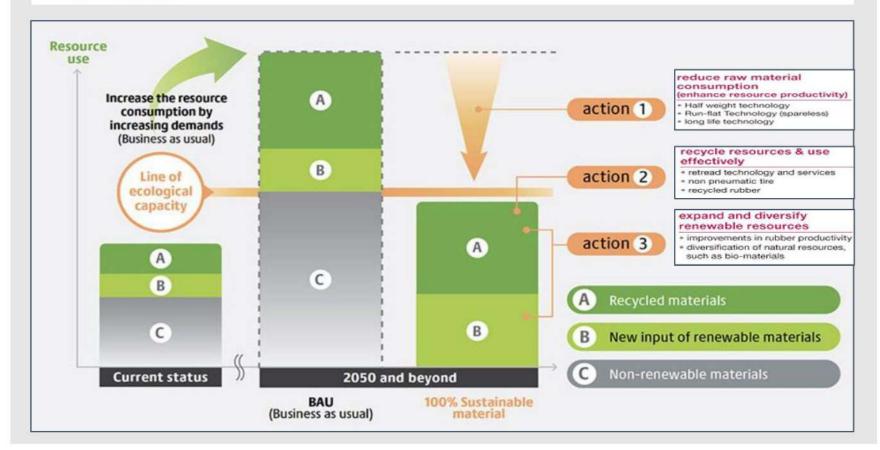
- ✓ Growing awareness regarding COST EFFECTIVE and ECO FRIENDLY alternatives for virgin rubber
- ✓ Owing to its versatility, durability, reduced pollution and low processing costs, WTR is expected to witness growth
- ✓ APAC to drive growth due to huge domestic market, availability of cheap and skilled workforce and rapid industrial development
- ✓ Governments across the globe are promoting sustainable materials as a substitute for conventional virgin rubber and the rising demand for reclaim rubber from end-use sectors
- ✓ Favourable regulations promoting sustainable and eco-friendly materials as substitutes for conventional virgin rubber is driving product demand

With Strategic Shift Towards Increasing Reclaim Rubber



BRIDGESTONE

To Reduce, Reuse and Recycle the use of fossil fuels and strategic shift towards Reclaim Rubber. By 2050 companies envisages higher use of Recycled Rubber







A concept in line with Michelin's "4R Strategy"

A firm believer that innovation should benefit the environment, Michelin has adopted a circular economy approach known as the "4R Strategy" (Reduce, Reuse, Recycle and Renew). This strategy guides not only Michelin's research and innovation, but also its partnerships and its participation in the overall sustainable mobility ecosystem. The aim is to offer products and services that are environmentally responsible throughout their life cycle. VISION is perfectly aligned with this approach.

By Major Tyre Manufacturing Companies



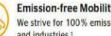


For our four sustainability focus areas we commit to visionary and bold ambitions – latest by 2050 and together with our value chain partners



Carbon Neutrality

We strive for 100% carbon neutrality along our entire value chain (products, operations, supply).



Emission-free Mobility and Industries

We strive for 100% emission-free mobility and industries.1



Circular Economy

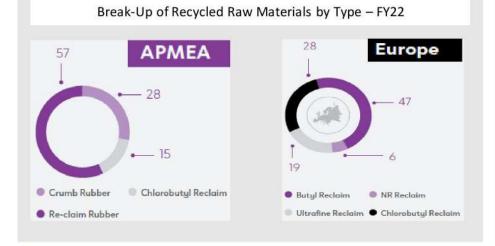
We strive for 100 % closed resource and product cycles.



Responsible Value Chain

We strive for 100% responsible sourcing and business partnerships.







Our Eco & Safety strategy starts from raw materials We push innovation to increase bio-based and recycled materials while decreasing fossils

OUR FOCUS ON 5R1 CIRCULAR ECONOMY



Re-think: Eco & Safety Design

Design outstanding products, processes and services in terms of performance, environmental impact, health and safety



Refuse

Avoid processes, products, services, materials that can be made redundant

Enhance chemicals safety through substitution

Anticipation of Raw Material & Chemicals HSE

Health, safety and hygiene risk prevention

Phase out of single use plastics

Reduce

Reduce use of resources, especially those not renewable

Reduce waste, air, soil and water emissions

CO, reduction, towards carbon neutrality

Fossil based / non-renewable materials reduction

Energy, water, waste reduction

Tyre Rolling Resistance reduction

Reuse

Reuse resources and products as much as possible

Prevent waste generation and resource depletion

Acceleration on plant closed loop water cycles

> Plant-scrapped material enhancement and reuse

Innovative materials based on nontyre production by-products



Recycle

Ensure that ELT2 are recovered or recycled

Enhance new solutions to maximize ELT secondary raw materials quality and performance

Increase in use of recycled materials

Tyre design to improve recyclability either in open or closed loop

R&D to support innovative industrial ecosystems valorizing ELT derived

Contact Us



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SGA Strategic Growth Advisors

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