

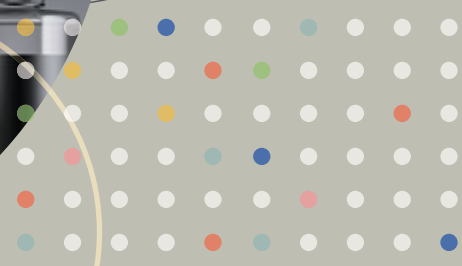
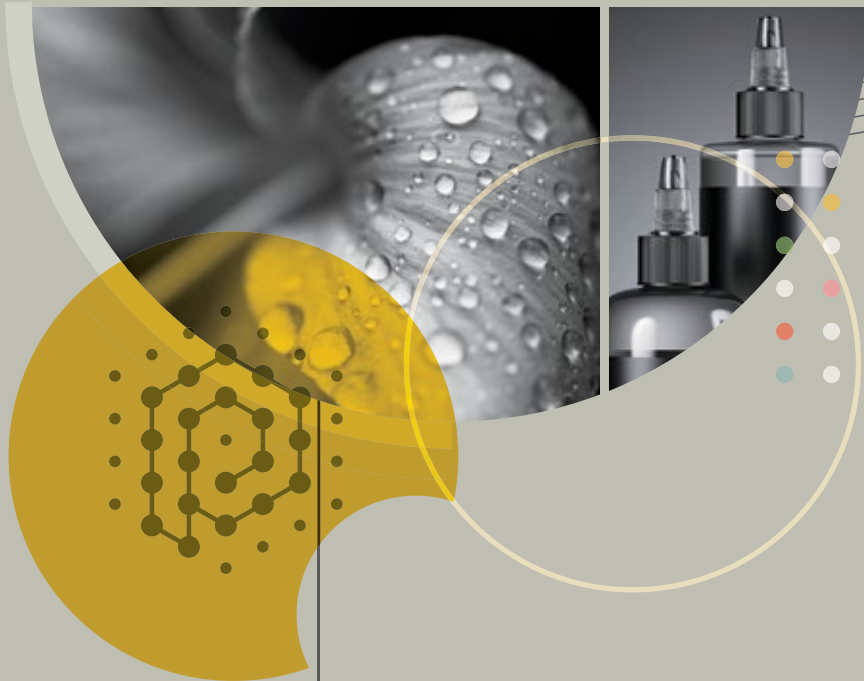
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A N N U A L R E V I E W



Plastics | SA

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C H A I R P E R S O N ' S M E S S A G E

Fresh from a visit to the 2022 K-Show I was proud to be part of one of the World's most innovative industries and the way it is dealing with the environmental pressures, turning negatives into positives. Europe appears to be less burdened by the emotional onslaught against plastics than we are in South Africa.

The high cost of energy is driving a trend which is vaguely evident here, but gaining momentum. The war in Ukraine has helped to drive up electricity costs in Europe to as much as R17/ kwh. We pay circa R3/kwh.

Plastics are gaining ground against other materials in a world where global warming and increasing emissions of CO₂ are the biggest existential threats. Recycling and the circular economy are important themes at the moment as are a new generation of electrically efficient machinery and I am happy to say that these trends are taking shape in South Africa as well.

The Extended Producer Responsibility Scheme (EPR) is slowly gaining traction as South Africa's supply chains register and start paying the levies that will be deployed by PROs such as PETCO and POLYCO to increase collections and help fund new recycling infrastructure.

The lack of electricity continues to be a major constraint in the industry. Despite the Government, the private sector has once again taken the challenge by the horns and investment in renewables and generators will now gain momentum. It is a fact that the returns on the investment in renewables are quite attractive and that as electricity prices change to reflect the real costs of energy and infrastructure, we will understand why energy efficiency is such a big deal.

Become part of this solution. There is so much that can be done to change our trajectory.

Plastics|SA is therefore in good shape. There is lots to do and provided we are positive and embrace the solutions, our future looks bright.

Thank you to our Board for your leadership and to the Executive Team, led by Anton Hanekom, for your commitment to uplifting and supporting the South African plastics industry.

We wish you all of the best for 2023. I urge you to make a greater contribution to uplift and change lives, to educate and impart skills and to embrace the circular economy so that we are not burdened with additional legislation.

May the wind always be behind us!

Jeremy Mackintosh

Chairperson Plastics|SA Board



NOTE FROM THE EXECUTIVE DIRECTOR

Economic challenges and constraints have had an ongoing impact on the industry during the 2021/22 financial year. Despite these challenges, the industry has continued to seek innovative ways to address both the expectations and the hurdles.

Plastics|SA has faced its own challenges, one of which is the publicity resulting from the vast amounts of visible litter strewn across our country and its waterways. One of this year's focal points was this scourge, which remains a matter of increasing national and global concern. Plastics|SA joined many countries from around the globe in adopting the resolution of the UN Environment Assembly to end plastic pollution and will engage in multilateral talks on the issue. We are advocating for a science-based, complementary plastic strategy that seeks to eradicate unnecessary plastic and considers the overall environmental impact of various plastic alternatives. To this end, many of our Sustainability projects and Communications campaigns have focused on inland catchment areas, where the marine litter originates, as well as education, in order to change mindsets and behaviour. Our Fit for Purpose campaign highlighted the relevance and contribution of plastics in the protection of our planet's resources.

A matter of extreme concern, and which underpins the current litter epidemic in South Africa is the human behaviour and the country's broken waste management systems. Despite seeing a greater awareness around the need for recycling, the embrace of a circular economy, and best practice waste management legislation, the fact remains that 39% of households in South Africa do not have access to a regular waste management service, including 1.6% of households with no facilities at all. Only 22% of all local plastics waste is available as recycle to the local market. We need to continue with our efforts to change the traditional, linear mind-sets of "use and dispose" so that we can keep materials in the value chain for as long as possible.

Sadly, the lack of functional infrastructure to collect post-consumer waste, will inevitably lead to even more plastic waste in the environment. We have created a municipal training project proposal and hope to soon be training municipal waste managers for the future.

In 2021 a brand new Technical Operations function was created to meet the growing demand for technical and industry information that is up-to-date, region specific and easily accessible. Plastics|SA is intent on further expanding its technical skills and knowledge base this year in order to offer ongoing technical support and information to its members and the industry at large. We will continue to grow the team with a strong focus on research and development, industry statistics, trade analytics and industry growth.

*The Training Division's identity and strategic direction came under review and in line with an ever-evolving industry, the new **Academy for Learning and Development** will now include a focus on future skills in the South African plastics industry as well as the extension of our services and offerings into the rest of Africa.*

It's been another year of exciting opportunity and growth as we navigated the fast-changing plastics landscape. As we enter a new year, I would like to take this opportunity to thank the Board and the entire Plastics|SA Team for their dedication to the success of Plastics|SA. Each member played a valuable part in keeping this ship afloat during the turbulence of the past two years.

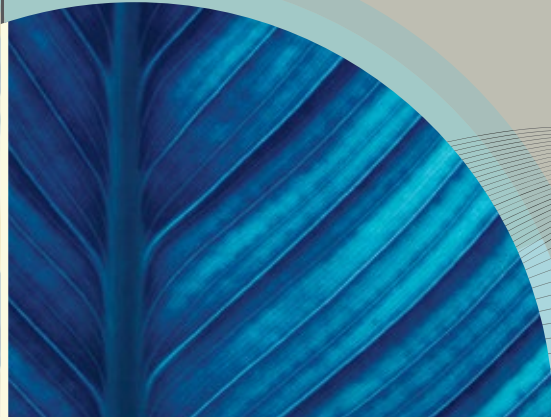
Anton Hanekom
Executive Director
Plastics|SA



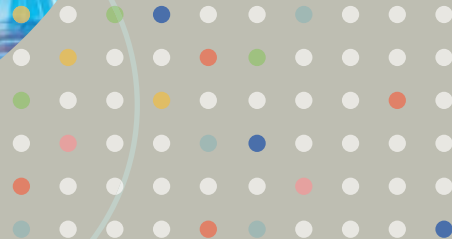
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Plastics | SA



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Plastics|SA, the umbrella organisation for the South African plastics industry is registered as a non profit company (NPC). It is funded by membership fees based on sales of locally manufactured and imported plastics raw material and other contributions and sponsorships from industry associations. Most of the income is derived from our training activities within the Plastics Industry.

Plastics|SA represents all sectors of the South African Plastics Industry including polymer producers and importers, converters, machine suppliers, fabricators and recyclers.

Together with our associations we play an active role in the growth and development of the South African Plastics Industry and strive to address plastics related issues, influence role players and make plastics the material of choice.

Our Vision

To enable a vibrant and sustainable plastics industry in South Africa

Valued and respected
by local and international industry, customers, suppliers, government, community and employees;

Supporting environmentally responsible actions
that benefit industry and society;

Developing the skills
needed through accredited training programmes;

Promoting the use of plastics as the material of choice.

Roughly
60 000 people
employed by the SA plastics industry

R 68 billion
(2.3%) contributed directly to GDP

20% contributed to the Manufacturing GDP (2020)

More than
R 2 billion injected into the informal sector through the purchase of recyclable plastics waste (2020)

Board Members 2021 | 2022

	Representing	Company
Jeremy Mackintosh <i>(Chairman)</i>	PCA	Polyoak Packaging (Pty) Ltd
Thokozani Masilela <i>(Deputy Chairman)</i>	Government	The Department of Trade, Industry and Competitiveness
Grant Heroldt	ARMSA	Hero Roto
Mike Myers	EPSASA	EPSASA
Malan Mudaly	Importer	The Dow Chemical Company
Gregory Schneider	Importer	Ultra Polymers
Debbie van Duyn	PCA	Isowall SA (Pty) Ltd
David Rule	PISA	PlastiColors
Anton Hanekom	Plastics SA	Plastics SA
Jan Venter	SAPPMA	SAPPMA
Johann Conradie	SAPRO	Myplas
Mark Berry	Safripol	Safripol
Gerome Marrian	Sasol SA	Sasol Base Chemicals

Management Team



Anton Hanekom
Executive Director



Douw Steyn
Director: Sustainability



Kirtida Bhana
National Training Executive



Annabe Pretorius
Technical Operations Executive

Partnerships

Producer Responsibility Organisations



Raw Material Suppliers



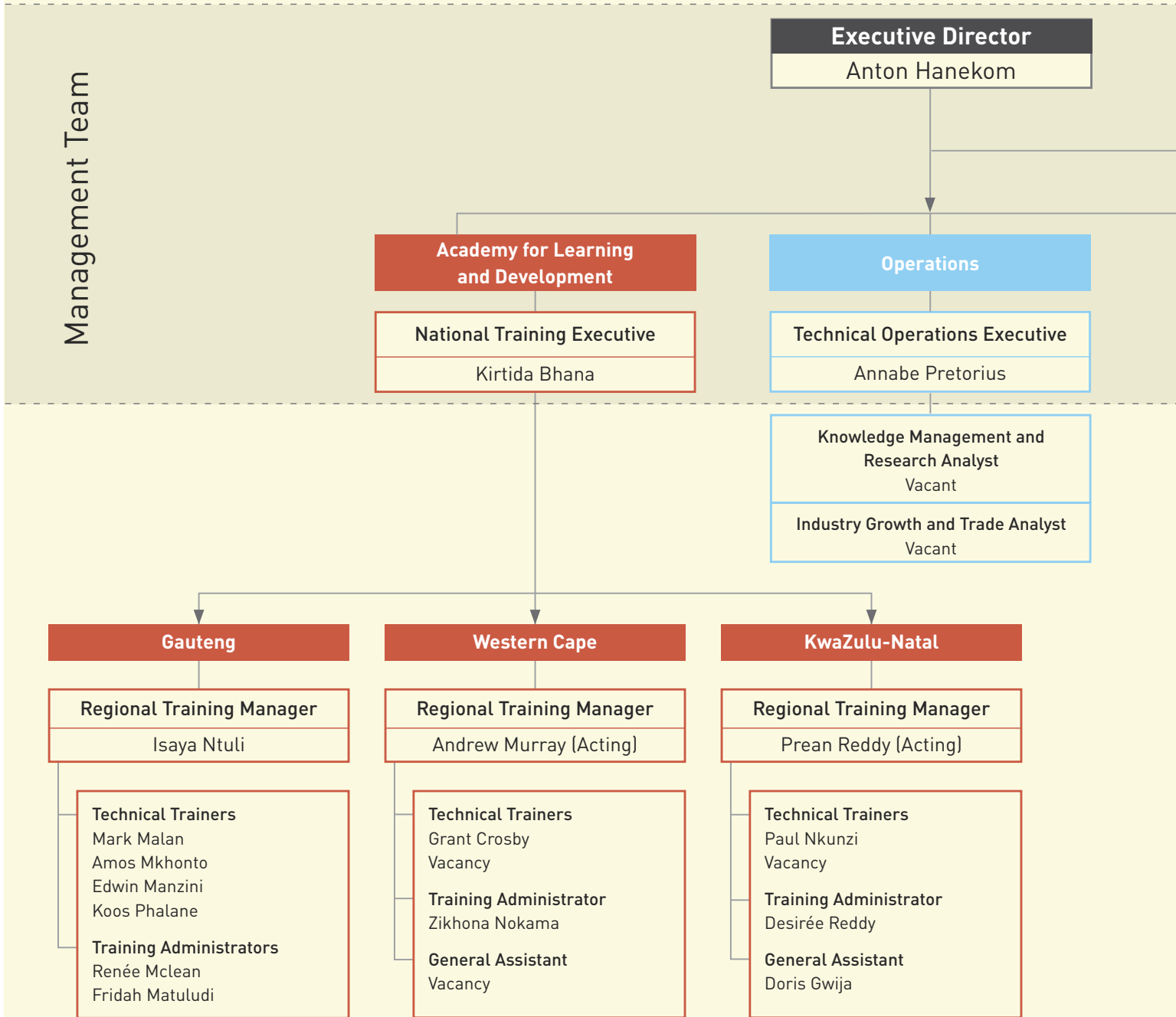
Recyclers

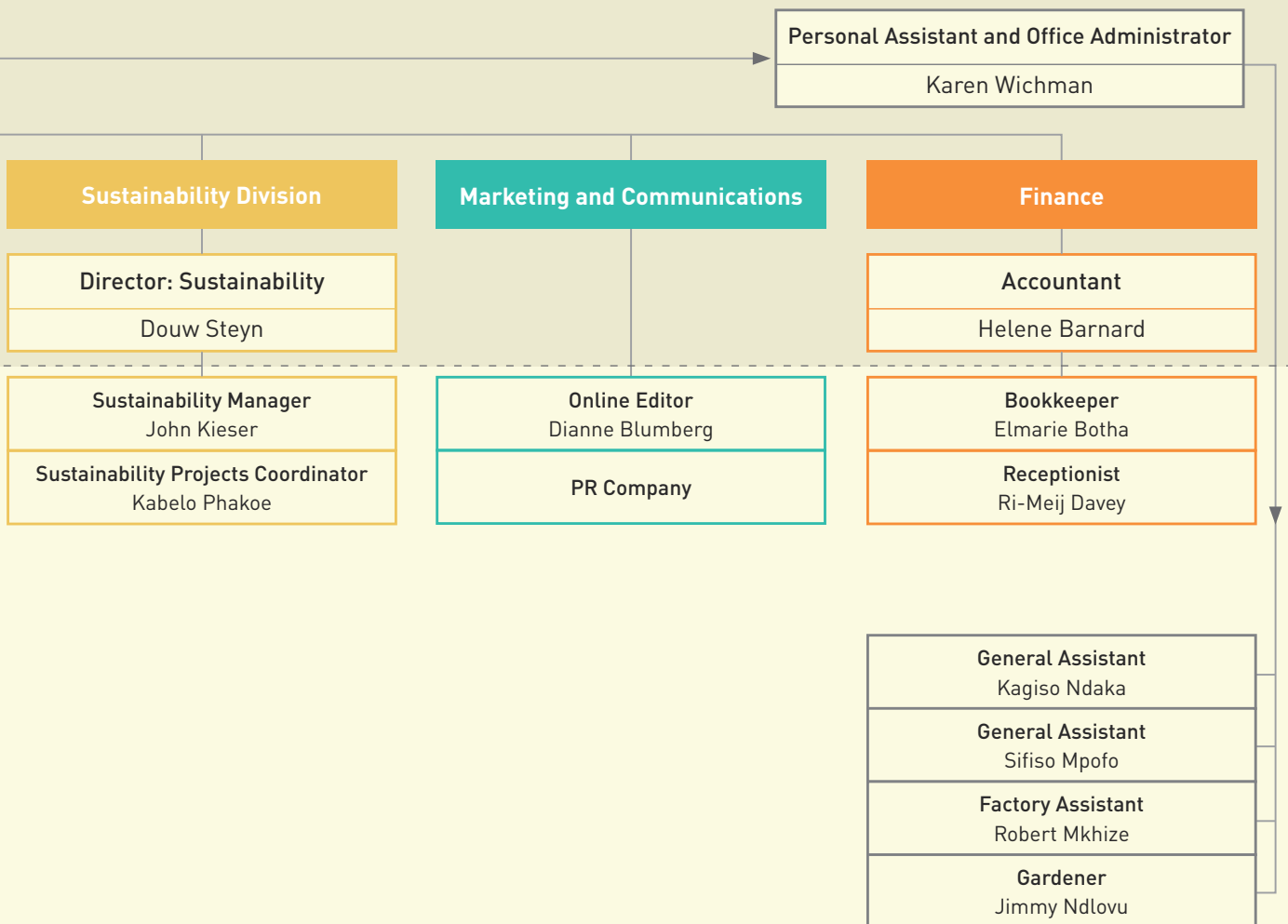


Importers



Plastics|SA Structure 2021 | 2022





industry growth and trade support

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STRATEGIC OBJECTIVE

To create and enable access to information about the local and international trade environment, for the development of sustainable and inclusive growth of the industry.

To influence decisions within political, economic, social and industrial networks in favour of growth, support and protection of the Plastics Industry in South Africa.

INDUSTRY GROWTH AND TRADE SUPPORT

PlasticsSA participates in many committees, action groups and discussions with various government departments and associations and the Industry Growth and Trade Support Division addresses matters that have an impact on the South African plastics industry.

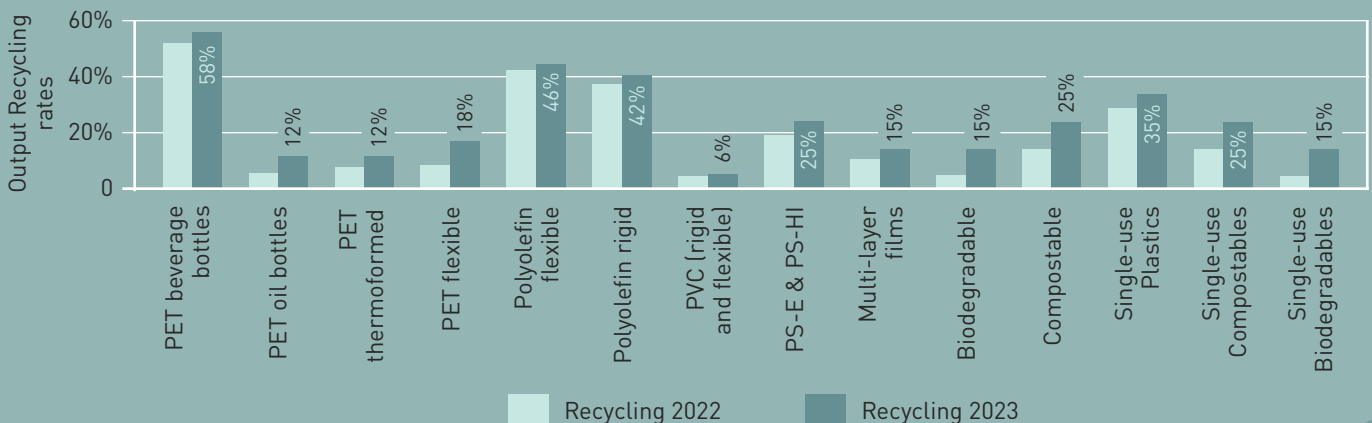
The Plastics Master Plan was submitted to the DTIC minister and we now await feedback.

Trade Statistics are important for tracking progress or trends in the local industry. We work closely with SARS in terms of the identification of errors, misinformation and the misalignment of imports.

Developing, updating and aligning Standards relevant to the plastics industry is done through various technical committees and working groups and includes packaging, environmental management, FRP, household and electrical appliances, compostability and plastics in general. International Liaison takes place through the ISO and ARSO committees.

Extended Producer Responsibility (EPR)

DFFE's new Section 18 Regulations to the Waste Act, which came into effect on 5 November 2021, make EPR mandatory for all producers and importers of packaging. Producers, local manufacturers, brand owners and importers, are required to register with the Department of Forestry, Fisheries and the Environment (DFFE) and establish and implement an extended producer responsibility scheme or join / create a EPR Scheme. The new Section 18 regulations are a welcome step forward towards a more collaborative approach between government and industry. Reporting against the gazetted targets started in January 2022. As an industry, we are committed to continue working closely with government as this process unfolds. To date, 884 Producers and 24 PROs have registered with DFFE for the Paper and Packaging Sector.





I N D U S T R Y G R O W T H A N D T R A D E S U P P O R T

Fixing South Africa's Broken Waste Management System

Over the past five years, awareness around the need for recycling and a circular economy has grown, thanks to ongoing marketing and educational campaigns. However, we need to continue with these efforts to change the traditional, linear mind-sets of "use and dispose" in order to keep materials in the value chain for as long as possible.

The latest figures from Stats SA show that more than 39% of South Africans do not have access to formal waste management systems and rely on their own means of waste disposal.

Working closely with all relevant stakeholders, including the various levels of government, Producer Responsibility Organisations (PROs) and educators, Plastics|SA's projects in these areas encompass waste management and recycling education, training and awareness. Despite all of this, the fact remains that many products will not be collected while the country's waste management system remains broken.

Discussions with CSIR, PRO Alliance and DFFE are ongoing to find a suitable plan of action. This topic was also a focus point at the Africa Water, Waste & Green Energy Conference 2022 in Cape Town.

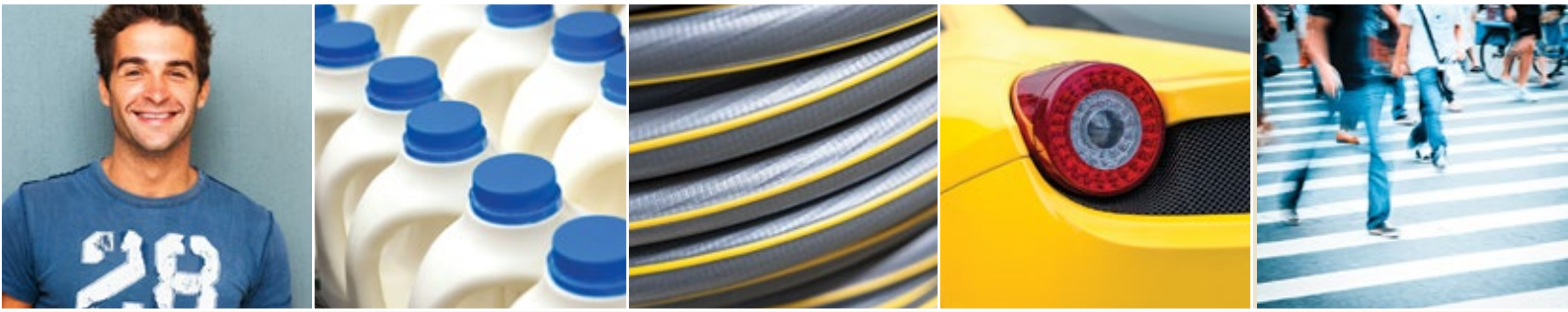
General Industry Meeting April 2022

Plastics|SA held a hybrid General Industry Meeting where industry members and stakeholders could share their concerns on industry issues and help shape the policy and plans for the plastics industry of the future.



New Technical Operations Division

In January 2022, Plastics|SA appointed Annabé Pretorius as Technical Operations Executive. This brand new position will meet the growing demand for up-to-date technical and industry information that is region specific and easily accessible.



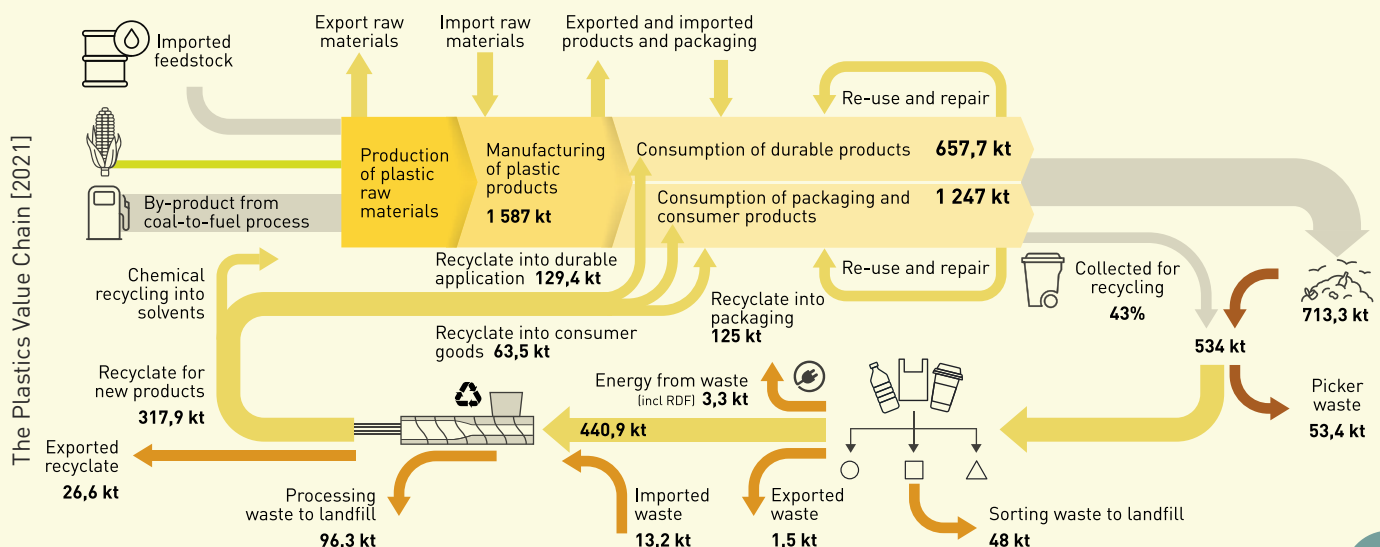
Circular Economy for Plastics

The circular economy is about recognising and capturing the value of plastics as a resource offering benefits to the economy, the environment and society in general. Transitioning to a circular economy is vital.

Although the circular economy is a highly effective concept for preventing plastics from ending up in landfill or polluting our oceans while we continue to enjoy their benefits, additional measures are also necessary. These include stopping the prevention of any pellet loss from our operations (Operation Clean Sweep), ensuring the proper disposal of post-consumer plastics waste for increased collection and sorting as well as raising greater awareness within our industry and civil society (Plastics|SA and PROs).

Whilst eliminating leakage and the increased use of secondary materials is one part of the picture, the widespread adoption of renewable feedstock completes this picture. Since the aim of a circular economy is to keep materials in use for as long as possible, it must by definition require a new level of collaboration along the value chain.

The plastics value chain in South Africa is long and complex. Schematically it can be represented as follows:





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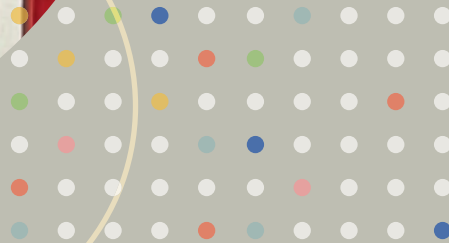


research and knowledge management

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4



S T R A T E G I C O B J E C T I V E

*To research economic indicators and industry statistics critical to the industry
and to collaborate and influence research projects.*

To manage access to industry information in a knowledge hub.

R E S E A R C H A N D K N O W L E D G E M A N A G E M E N T

Plastics – part of our lives

Plastics offer numerous benefits to society.



Help feed the world in a safe
and sustainable manner



Contribute to energy
efficient buildings



Allow great fuel savings
in all transportation



Can even save
our lives

Plastics are key in innovation and in reducing energy demand while reducing greenhouse gas emissions. As an essential part of society, the plastics industry must ensure that plastics are sustainable and continue to have a positive impact on people and on the planet.



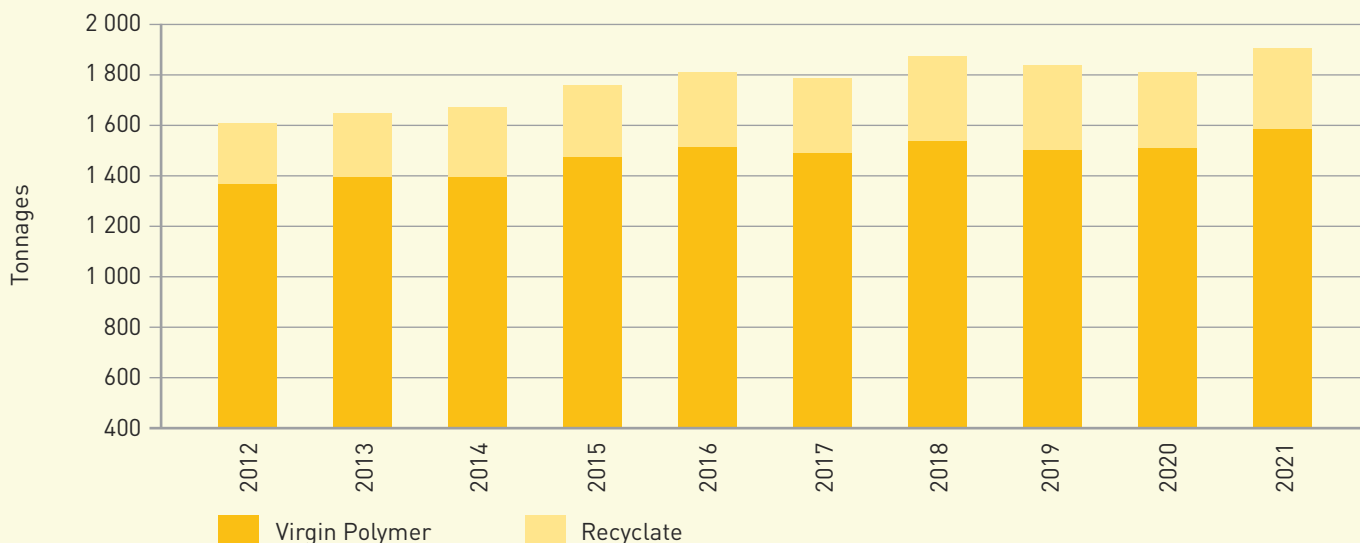
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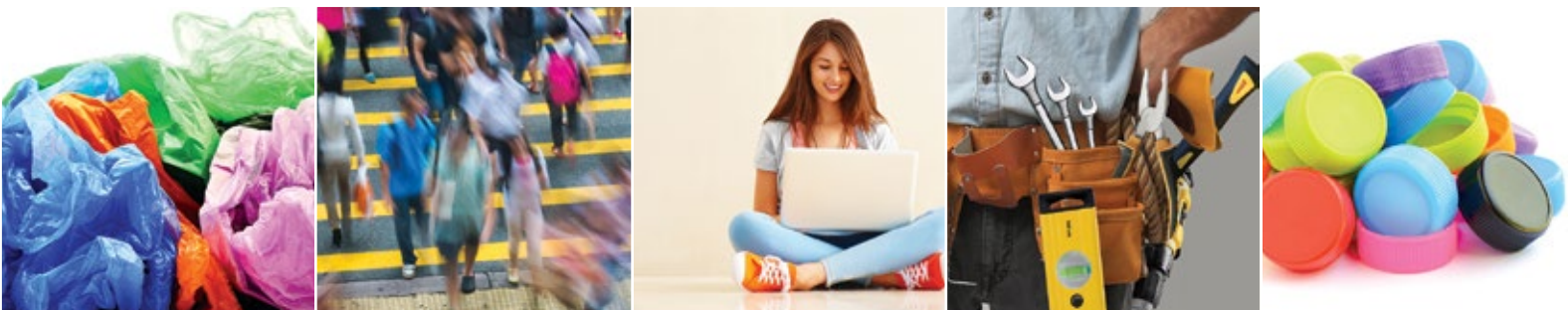
Domestic Consumption

In 2021, South Africa converted 1 904 924 tons of polymer into plastics products, an increase of 4.7% from 2020; similar to the growth in the Gross Domestic Product (GDP) of 4.9% for the same period.

This is the total of locally produced polymers, nett imported polymers and recycled polymers sold to local converters in South Africa, virgin and recycled. Locally recycled polymer made up 21.7% of the virgin consumption, an increase from 20.6% in the previous year.

Polymer consumption data is calculated from locally produced virgin tonnages and the information obtained from the South African Revenue Services (SARS) for imported and exported polymers. Recycled polymer consumption data is obtained from sales of recyclate from the plastics recyclers into the local market. Domestic polymer consumption is only based on polymers locally converted into plastics products and semi-finished products.

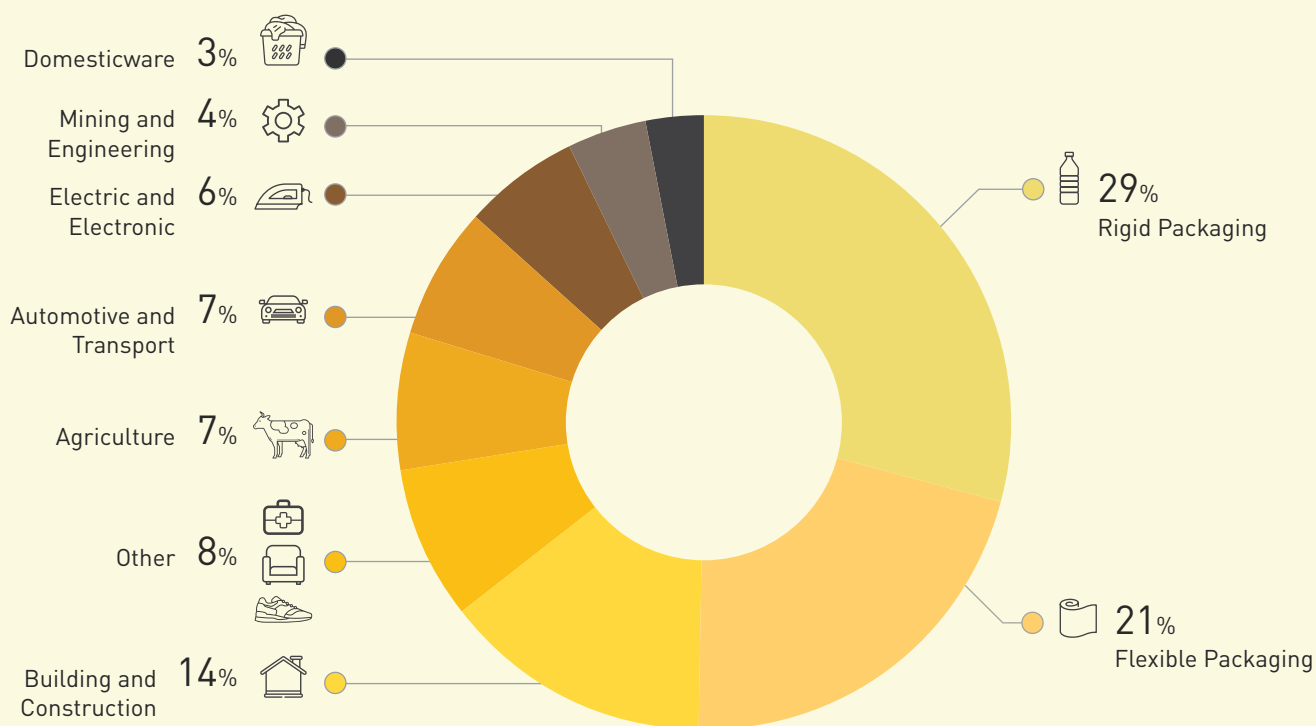


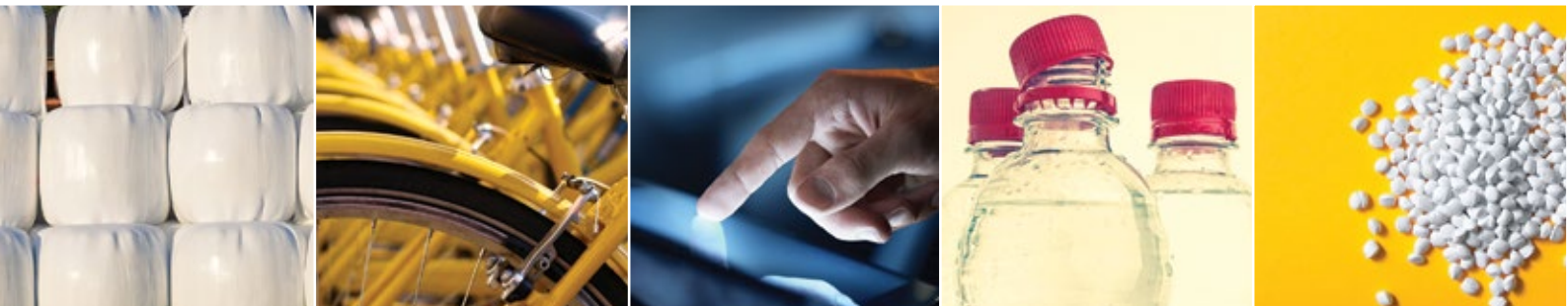


Market Sectors

Plastics converters mainly manufacture packaging. Rigid packaging makes up 29% of the local market and flexible packaging 21%. The Building and Construction sector represents 14% of locally produced products. The demand for rotational moulded water tanks that peaked in 2019 and 2020, dropped off and Agriculture now represents 7% of the domestic market, slightly less than the two previous years. Automotive and Transport applications also represent 7% of the domestic market.

Both Mining and Engineering and Electric- and Electronic applications have gained one percent respectively in their individual market sectors.



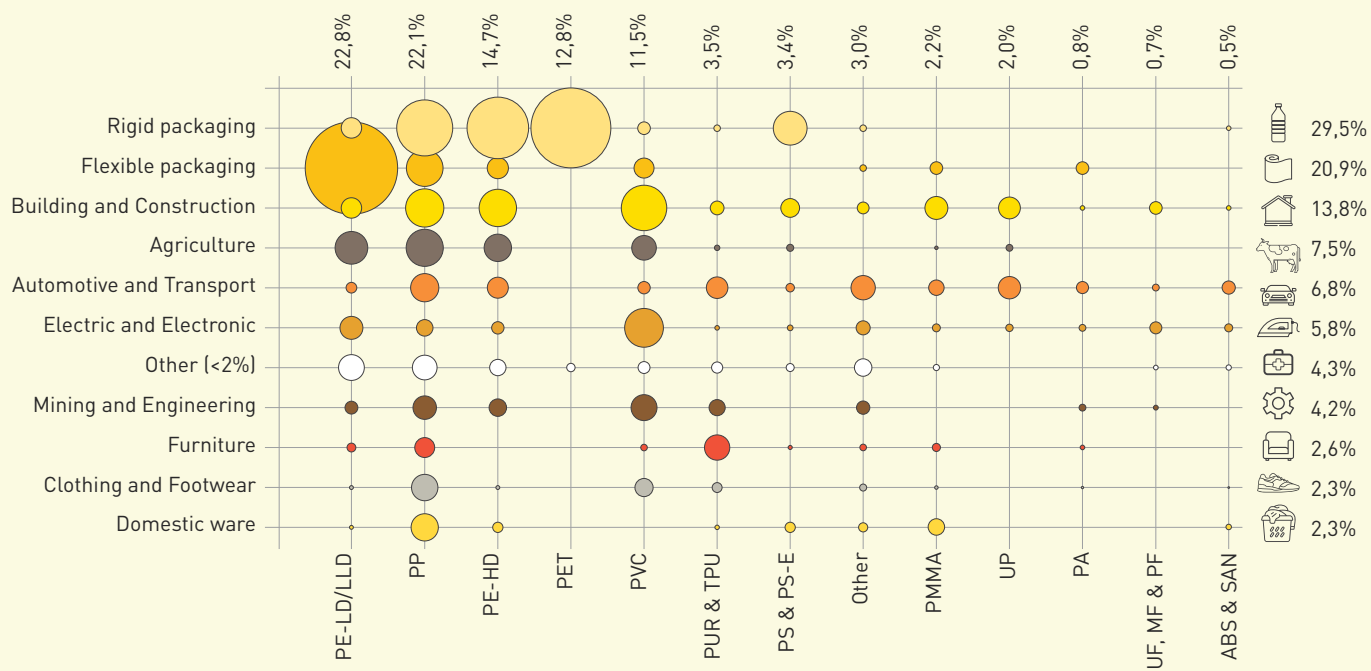


R E S E A R C H A N D K N O W L E D G E M A N A G E M E N T

Plastic Materials

Commodity materials (Polyolefins, PVC, PET and PS) make up 87% of the domestic virgin consumption. Most of the engineering polymers and specialty commodity grades not locally produced, were imported by agents and representatives as well as directly by convertors.

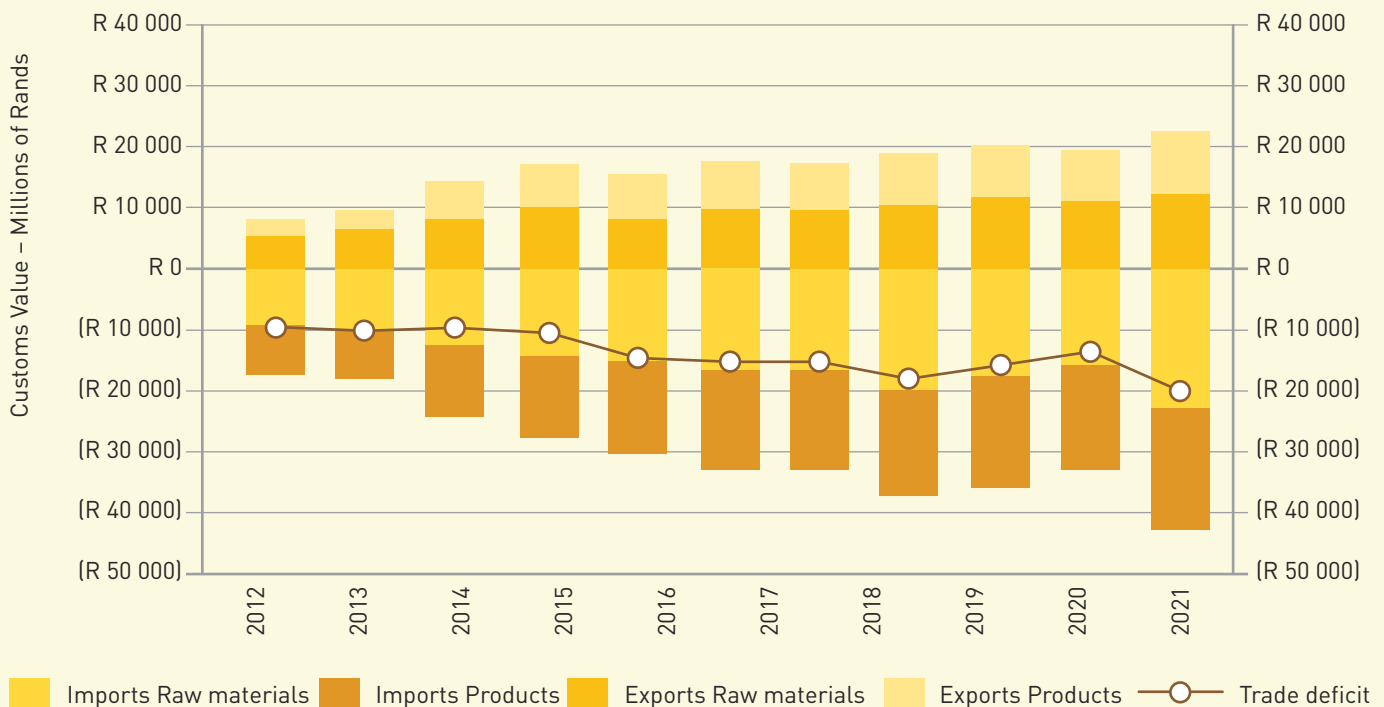
Recycled materials (recyclate) are locally converted into plastic products. Some are good enough to complement virgin polymers and many others have unique markets that have developed over the years, suitable for the quality of available recyclate. In a circular economy, quality recyclate will replace (complement) many more virgin applications.





Trade Balance

Despite two large polymer producers in South Africa, the tonnages of polymer imported still exceed the exports, i.e. a trade deficit. In 2021, the total trade deficit was R20.5 billion whilst the total value of the domestic industry was estimated at R83.2 billion, resulting in a deficit of 25%. The largest three contributors to the deficit in raw materials in 2021 were PE-HD, PE-LLD and chemicals used to make polyurethane foams; combined contributing 45% to the total material trade deficit.

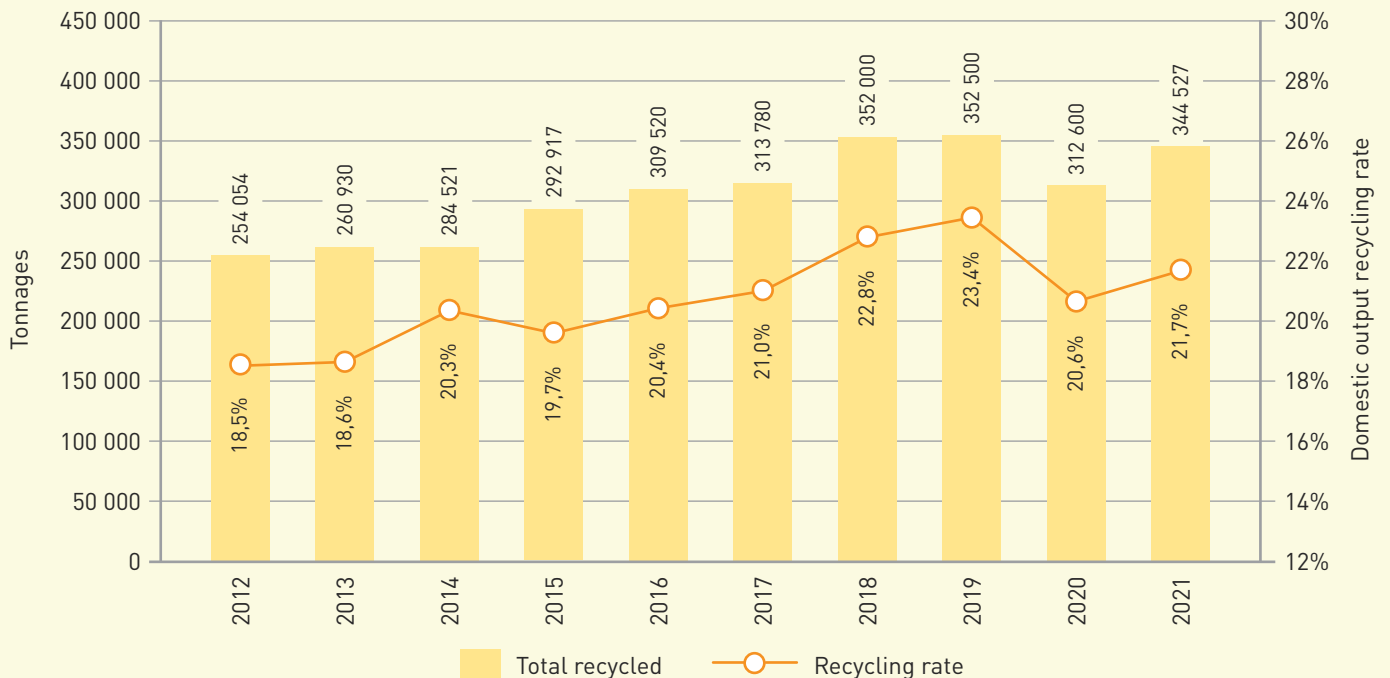


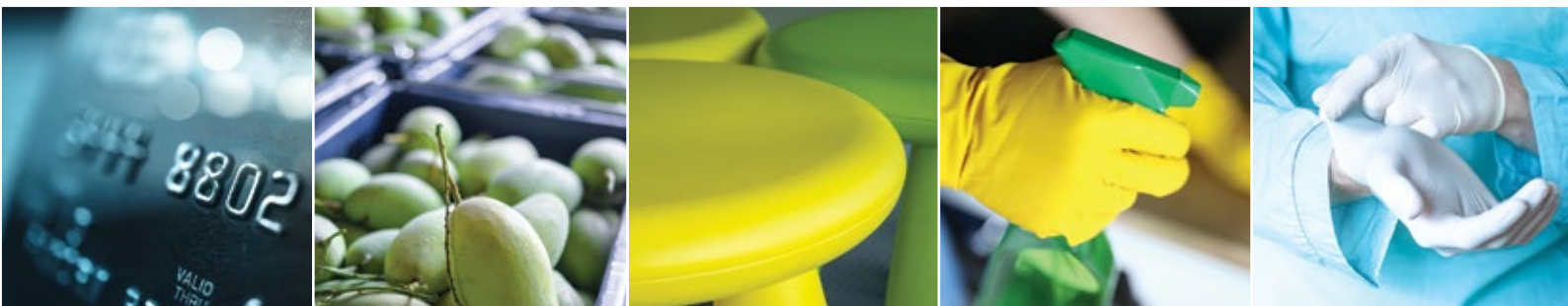


R E S E A R C H A N D K N O W L E D G E M A N A G E M E N T

Plastics Recycling

In 2021, South Africa recycled 344 527 tons of material into raw material, 10% more than in 2020 in terms of tonnage turned into raw material. Recycling, especially the collection of recyclables, has started to recover since the first year of Covid in 2020, but has not yet reached the levels of 2019. Recyclers, as with other manufacturing companies, suffered economic challenges, e.g. load shedding and the increasing cost of transport and energy. (Recycling consumes large amounts of energy, especially recycling material sourced from landfill. Recyclables also need to be transported to the reprocessing plants to ensure economic quantities.)





Materials recycled into new raw material in 2021 in South Africa

	Rigid	Flexible	Packaging	Non-packaging	Total 2021
PE-LD	411	102 203	102 614	14 071	116 685
PE-HD	44 699	2 281	46 980	19 504	66 484
PP	27 835	5 898	33 733	29 479	63 212
PET	59 240		59 240	3	59 243
PVC-P	100	360	460	13 741	14 201
PVC-U	564		564	7 478	8 041
Other	291	4 822	5 112	1 858	6 970
PS-E	2 449		2 449	394	2 843
PS	236		236	2 339	2 575
ABS	37		37	2 122	2 159
PMMA				956	956
PA				724	724
PC				251	251
ASA				182	182
	135 862	115 564	251 425	93 101	344 527



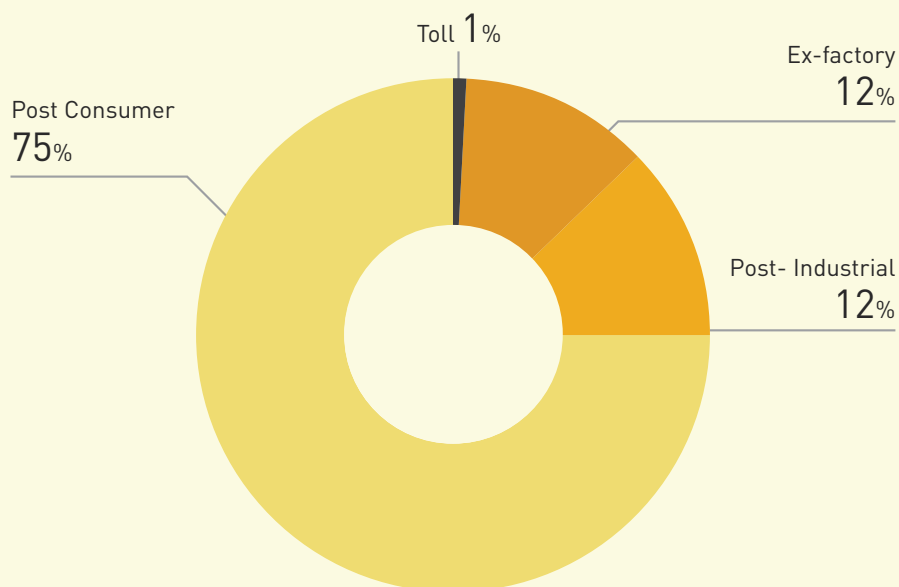
R E S E A R C H A N D K N O W L E D G E M A N A G E M E N T

Collection and Sourcing of recyclable waste

Where do the plastics recyclers source their incoming materials? Recycling facilities deal with large quantities of one or two materials at most, on a daily basis. Different plastics cannot be mixed. Extrusion grade and injection grade should be separated as the recycle is used for different conversion processes, i.e. different grades should not be mixed.

Sorting of incoming materials is labour intensive and increases processing costs. Recyclers do minimal sorting.

There are two aspects to the sourcing of incoming materials: where it was collected and who ultimately supplies the sorted, compacted material to the recycler.



In 2021, 75% of all incoming recyclables sold to the reprocessing plants were from post-consumer sources, including landfill harvesting, kerbside picking and buyback centres.



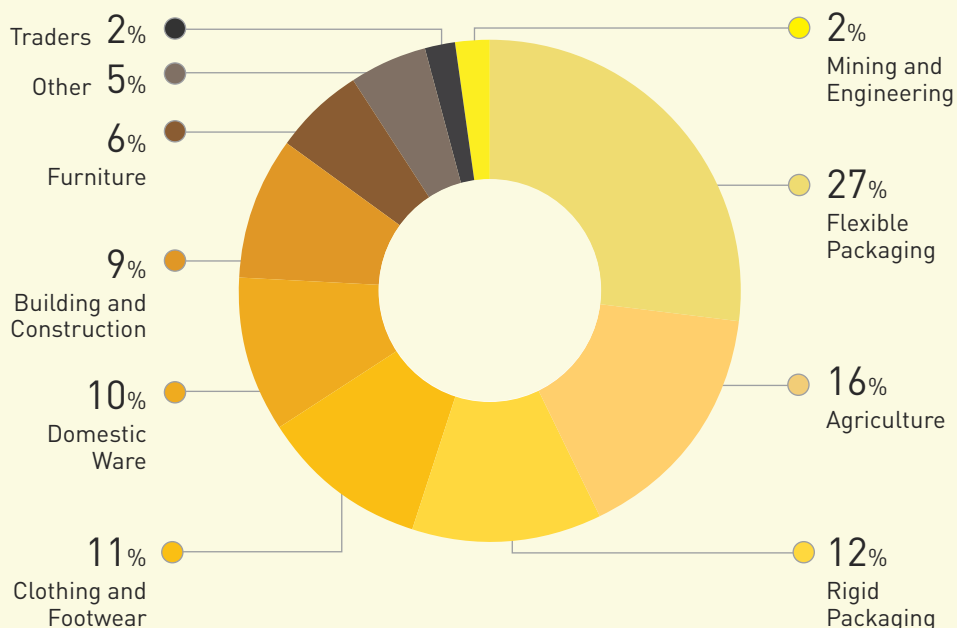
Recyclate Markets

Successful recycling and increasing recycling rates depend on increasing market demand. End markets for recyclate were taken for granted as the demand for recyclate exceeded the supply of recyclable incoming materials for many decades. In the past 3 to 4 years, recyclers have had to work harder to find sustainable markets for their recyclate. Plastics converters are the recyclers' main clients and the manufacturing sector of the plastics industry was under major strain as the overall economic climate was depressed. The price of virgin dipped in 2018, improved slightly in 2019 and dipped again in 2020, followed then by massive price increases in 2021, resulting in unsteady recyclate demand.

Since 2012, the amount of recyclate produced in South Africa increased by 36%. Consequently, the proportion of recycled content used in new products has increased from 14.8% in 2012 to 16.7% in 2021. Individual company pledges and initiatives like the SA Plastics Pact, industry initiatives, recycler actions, etcetera are fostering the use of recycled plastics in different sectors.

However, more needs to be done to accelerate the overall circularity of plastics.

Suitable end-markets are critical for the sustainability of the plastics recycling industry. Recyclate finds markets in almost all local market sectors. Only 7.7% of the recyclate was exported as raw material to plastics converters in Asia and in the SADC region.





communications

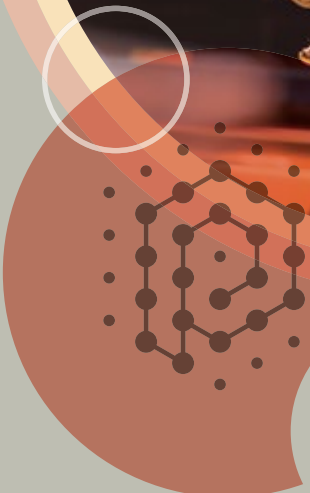
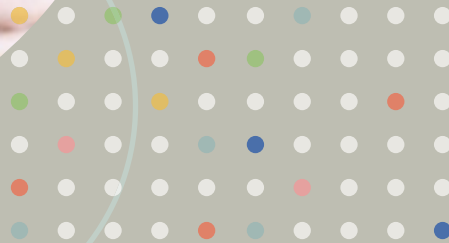
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STRATEGIC OBJECTIVE

To manage the reputation of the Plastics Industry as a whole and to manage the Plastics|SA brand through the adoption of best communication practices.

COMMUNICATIONS

Communications Key Deliverables

Develop powerful communication strategies to inform, persuade and motivate the target audience across the value chain and stakeholder groups by:



Timeously communicating relevant news, issues and developments to industry



Building relationships with media houses to enable proactive engagement and response of the industry through the different media channels



Developing and maintaining a social media presence on the most appropriate social media platforms to maximize outreach



Developing communication channels across the value chain to share, engage and influence mindsets



Disseminating factual and transparent research data and facts on key topics that shape the plastics industry and assist in evidence based decision-making



Developing various high quality publications and other printed material to promote Plastics|SA, the industry and plastics as a material



and to act as a service provider to all the Plastics|SA functions, deliver on their strategic campaigns and gain maximum exposure



M A R K E T I N G A N D C O M M U N I C A T I O N S H I G H L I G H T S

Total Media Values (July 2021 - June 2022)



Total Media Coverage Value

R 10 132 104

Printed



R 3 321 289

Online



R 6 443 977

Broadcast



R 366 838



Social Media Reach (July 2021 - June 2022)



Total Social Media Reach

5 330 635



Advertising Campaigns

Fit for Purpose Campaign

Thanks to the durability and safety of plastic toys, sporting equipment, packaging and homeware, families can enjoy making the most of our beautiful weather. Whether you're camping, hiking or spending time on the beach this holiday, remember to pick up any litter lying around.

Leave only footprints behind!
Functional. Innovative. Trusted.



fit for purpose



Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.



Plastics offer innovative solutions to society's constantly evolving needs and challenges. Whether it is to stay connected, play sport, provide clean drinking water, preserve and protect food or help us live healthier, longer lives, plastics are a family of remarkable materials with science and innovation in their DNA. Versatile, durable, adaptable and recyclable, modern plastic applications are truly FIT for purpose!

Functional. Innovative. Trusted.

fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Plastics provide protection solutions that meet the specific needs of our society.

Bulletproof glass is made from glass and plastic which provide a layer of transparent protection. Bulletproof vests contain high performance plastics which are lightweight and comfortable, yet tough enough to resist a bullet by acting as a net-like device to stop the bullet. Protecting the lives of those who protect us.



fit for purpose

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Plastics|SA
www.plasticsinfo.co.za

Thanks to recycled plastics, clothing and accessories can now be fashionable, comfortable and kind to the environment. T-shirts, sweaters, shoes and accessories are made from recycled plastic bottles and even plastics that were removed from the oceans. Leading international brands use plastic-based materials such as faux-leather and micro suede to create signature styles that are transforming the fashion scene.

Functional. Innovative. Trusted.



fit for purpose



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fit for purpose



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Functional. Innovative. Trusted.



fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Thanks to polystyrene, modern day homes and buildings can be built and insulated to reduce energy loss. From concrete forms to walls, roofs and floors, EPS is the ideal, cost effective and easy-to-use material.

The first ever PS recycling hub, recently opened in Atlantis, Cape Town, now turns recycled polystyrene into bricks!

Functional. Innovative. Trusted.



fit for purpose



Plastics|SA
www.plasticsinfo.co.za

Hospitals and medical facilities rely on plastic to protect healthcare workers against cross infection and contamination. With excellent barrier properties, lightweight and impenetrable, plastics ensure a sterile environment.

Functional. Innovative. Trusted.



fit for purpose



Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

The protective and insulating qualities of plastic packaging play a significant role in every stage of the food production process: farming, processing, distribution, storage, retail and households. It extends the shelf life of fresh, nutritious foods, preventing unnecessary food waste and reducing greenhouse gas (GHG) emissions.

Functional. Innovative. Trusted.



fit for purpose



Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

The Fit for Purpose campaign focused on the value of plastics in our everyday life and highlighted recycled plastic products as well.



National Water Week
20 - 26 March 2022

Groundwater - Making the Invisible Visible.

Plastics play a key role in ensuring that uncontaminated water reaches farms, towns and cities - from the underground pipes to the tap fittings to the water tanks that preserve it.

fit for purpose

Functional. Innovative. Trusted.

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Thanks to the durability and safety of plastic toys, sporting equipment, packaging and homeware, families can enjoy making the most of our beautiful weather. Whether you're camping, hiking or spending time on the beach this holiday, remember to pick up any litter lying around.

Leave only footprints behind!

Functional. Innovative. Trusted.

fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Plastic does a lot more than give your car that sassy look! It provides safety in airbags, nylon seatbelts and polyethylene baby chairs. Replacing car parts with lightweight plastic significantly reduces weight, improves fuel efficiency and reduces carbon emissions. More and more recycled material is being included in the manufacture of cars thanks to the new Extended Producer Responsibility scheme.

Functional. Innovative. Trusted.

fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Plastics have become one of the most widely used materials in sports today. Tennis rackets, gym floors and mats, balls, bags, boxing gloves, clothing and footwear are all made from plastics that are able to withstand considerable physical stress without breaking. When it's time to be replaced, plastics can be reused and recycled into new applications. The podium at the 2020 Olympics in Tokyo, was made from recycled post-consumer plastic waste.

Functional. Innovative. Trusted.

fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Plastics offer innovative solutions to society's constantly evolving needs and challenges. Whether it is to stay connected, play sport, provide clean drinking water, preserve and protect food or help us live healthier, longer lives, plastics are a family of remarkable materials with science and innovation in their DNA. Versatile, durable, adaptable and recyclable, modern plastic applications are truly FIT for purpose!

Functional. Innovative. Trusted.

fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

When performance matters, don't pick a substitute

Plastics continue to be the most affordable, practical and fit-for-purpose solution for many uses in our modern world today. When used and recycled, plastics even contribute to creating a more sustainable world.

Functional. Innovative. Trusted.

fit for purpose

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

World Environment Day | 5 June 2022

World Oceans Day | 8 June 2022

Taking responsibility for our own waste and preventing it from ending up in the environment, is the right thing to do. Land-based waste eventually ends up in the oceans, impacting a fragile ecosystem that supports humanity and every other organism on earth.

#OnlyOneEarth

Let's take care of it!

REDUCE. REUSE. RECYCLE.

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

World Wetlands Day | 2 February 2022

World Whales Day | 20 February 2022

Plastics|SA and its partners are proud supporters of clean-ups at beaches, rivers and waterways and regularly donate bags, gloves and other resources required to help remove litter from these environments.

fit for purpose

Functional. Innovative. Trusted.

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

World Whales Day | 20 February 2022

Plastics|SA and its partners are proud supporters of clean-ups at beaches, rivers and waterways and regularly donate bags, gloves and other resources required to help remove litter from these environments.

fit for purpose

Functional. Innovative. Trusted.

Plastics|SA
www.plasticsinfo.co.za

Recycle your plastics.

Educating learners

Minimag. The magazine for kids.

Plastics at work www.cleanupandrecycle.co.za www.plasticsinfo.co.za

Let's clean up our playground!

Becoming part of the solution!

Have you ever noticed how many pieces of plastic litter our playgrounds? It's time to change and clean up our playgrounds!

Why should you help clean up the environment?

Plastic is everywhere and it's everywhere because it's so useful. But plastic litter can do a lot of harm. It can be dangerous to animals and people. It can also be ugly. We need to take responsibility for the plastic we use and make sure it doesn't end up in our playgrounds.

Activity

How many of each item can you find to pick up?

REUSE REUSE REUSE

Plastics at work www.cleanupandrecycle.co.za www.plasticsinfo.co.za

Smart cities for a smart youth!

Leading by example

SMART COMMUNITIES

Finding synergy

Ubuntu

Who are the key stakeholders?

How can they make a difference?

1. We need to solve problems
2. We need to create opportunities
3. We need to bring people together

REUSE REUSE REUSE

Plastics at work www.cleanupandrecycle.co.za www.plasticsinfo.co.za

Smart cities for a smart youth!

SMART COMMUNITIES

Caroline Reid Awards 2022

Smart communities

Living in a harmonious, safe and clean environment!

Let's been here to become smart youth, to that smart communities can become a reality.

Plastics at work www.cleanupandrecycle.co.za www.plasticsinfo.co.za

Let's recycle!

EASTER ACTIVITY

What do you need?

STEP 1: Cut out the paper and glue it to the back of the card.

STEP 2: Use a marker to draw a face on the paper.

STEP 3: Use a marker to draw a body on the paper.

STEP 4: Use a marker to draw a tail on the paper.

STEP 5: Use a marker to draw a hat on the paper.

STEP 6: Use a marker to draw a bow on the paper.

REUSE REUSE REUSE

Plastics - fit for purpose! www.plasticsinfo.co.za

Reduce your carbon footprint by reducing and recycling your waste!

Functional. Innovative. Treated.

REUSE REUSE REUSE

Plastics - fit for purpose! www.plasticsinfo.co.za

Cleaning up our water!

GREENWATER - MAKING THE INVISIBLE VISIBLE

THE WATER CYCLE

EVAPORATION

PRECIPITATION

CONDENSATION

PRECIPITATION

CONDENSATION

REUSE REUSE REUSE

This nationally distributed educational children's magazine benefits readers on a complete spectrum of educational content, which is presented using humour and vibrant artwork that appeals to all children and has achieved great success in the classroom as a teaching aid.



Plastics at work **Plastics | SA**

Planning for Plastics 2022

Make 2022 a year to reduce, reuse and recycle! Do, do, do, plan ahead and schedule clean-up events in your community.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31

LET'S CLEAN UP AND RECYCLE IN 2022!

Clean-Up And Recycle, South Africa! **Plastics | SA**

Ocean Wonders

How will the plastic in our oceans affect the marine life? How can we clean up our oceans? How can we reduce plastic waste? How can we recycle plastic waste? How can we reuse plastic waste? How can we think of other ways to reduce, reuse and recycle plastic waste?

Did you know?

- More than 10 million pieces of plastic are washed up on the world's beaches every year.
- It is estimated that 8 million tonnes of plastic waste are dumped in landfills every year.
- Plastic waste in the oceans can harm marine life and pollute the food chain.
- Plastic waste in the oceans can also contribute to climate change.

REDUCE REUSE RECYCLE

Plastics at play **Plastics | SA**

From lousy litter to recycled riches!

Remember, if you are not sure, do not touch it! Remember, if you are not sure, do not touch it! Remember, if you are not sure, do not touch it!

Great gift ideas

- Recycled paper Christmas cards
- Recycled paper Christmas stockings
- Recycled paper Christmas tree decorations
- Recycled paper Christmas tree ornaments
- Recycled paper Christmas tree garlands
- Recycled paper Christmas tree lights
- Recycled paper Christmas tree tinsel
- Recycled paper Christmas tree snowflakes
- Recycled paper Christmas tree stars
- Recycled paper Christmas tree baubles
- Recycled paper Christmas tree garlands
- Recycled paper Christmas tree lights
- Recycled paper Christmas tree tinsel
- Recycled paper Christmas tree snowflakes
- Recycled paper Christmas tree stars
- Recycled paper Christmas tree baubles

Keep Our Country CLEAN **Plastics | SA**

How to organise a safe clean-up

1. Choose a safe time and route for your clean-up.
2. Select a safe time and route for your clean-up.
3. During the clean-up.
4. After the clean-up.

Clean-Up & Recycle, South Africa!

Make 2022 a year to reduce, reuse and recycle! Do, do, do, plan ahead and schedule clean-up events in your community.

Plastics at work **Plastics | SA**

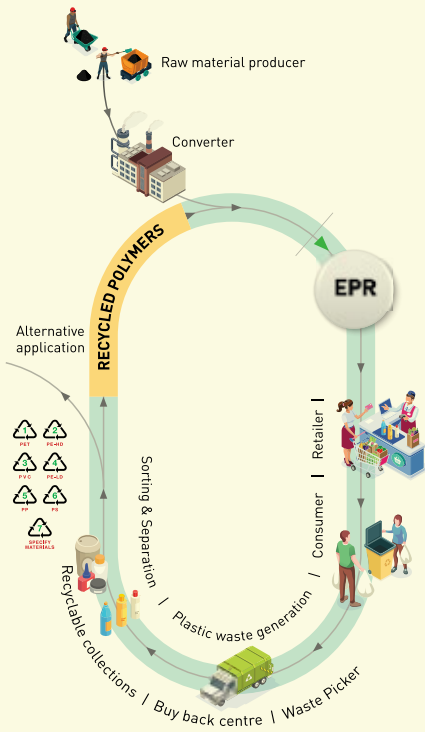
Plastics Industry supports Miss Earth SA on her green journey

Miss Earth SA is a role model for young women who are committed to environmental protection and sustainable living. She is a role model for young women who are committed to environmental protection and sustainable living. She is a role model for young women who are committed to environmental protection and sustainable living.

Latest Recycling Survey Highlights 2020

- Total plastic production of 1 739 500 tons
- 461 500 tons plastic waste collected for recycling
- 296 500 tons of plastic waste used in South Africa
- Recycling rate of 43.2%
- R 2.1 billion spent for plastic waste management
- 214 500 tons of plastic waste exported

More communication strategies



C L E A N - U P A N D R E C Y C L E

EPR

(Extended Producer Responsibility)

In order to raise awareness about the new Section 18 EPR the Section 18 Regulations to the National Environmental Management: Waste Act on 5 November 2021, which refers to the Extended Producer Responsibility (EPR) aspect of the National Environmental Management Waste Act (NEMWA), Plastics|SA's EPR campaign and video went a long way to educating our industry.

Inland Clean-up Day

Plastics|SA has been supporting clean-ups for the past 25 years and this year was no different! A video was produced, showcasing the dedication of the volunteers who protect our environment, *one bag at a time!*

ICC September 2021

Plastics|SA's 25th year of coordinating South Africa's participation in the International Coastal Clean-Up Day was once again a huge success. The ICC events and World Clean-Up Day took place on Saturday, 18th September 2021.



When performance matters, don't pick a substitute

Plastics continue to be the most affordable, practical and fit-for-purpose solution for many uses in our modern world today. When used and recycled, plastics even contribute to creating a more sustainable world.

Functional. Innovative. Trusted.

fit for purpose

Recycle your plastics.

SANBWA SOUTH AFRICAN NATIONAL BOTTLED WATER ASSOCIATION
www.sanbwa.org.za
Make a clear choice.

Plastics|SA
www.plasticsinfo.co.za

Plastics|SA supported Miss Earth SA

For the year 2021/2022 Plastics|SA supported the activities of Miss Earth South Africa, Nompumelelo Maduna.

Plastics|SA and SANBWA joint Campaign

After two years of limited sports, faithful rugby supporters took to the stadiums in their droves for the 2022 rugby season. Conscious of the impact that large spectator events such as the rugby season of 2022 have on the environment, Plastics|SA and the South African National Bottled Water Association (SANBWA) teamed up to raise awareness of discarding plastics responsibly. An advertising campaign educating future sports players and enthusiasts was developed and shared in SA Rugby Magazine and on social media platforms.

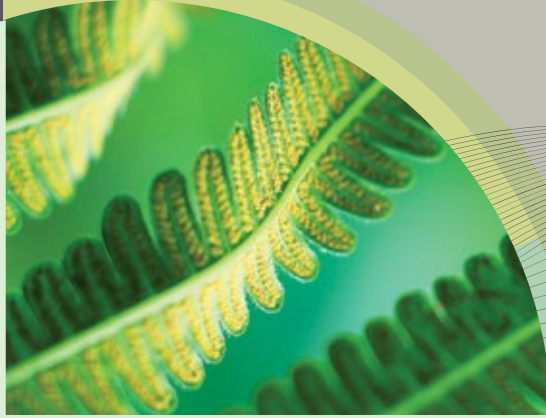


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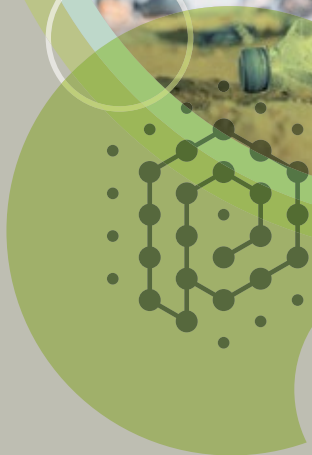
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sustainability

Functional. Innovative. Trusted.



6



S T R A T E G I C O B J E C T I V E

To enable a sustainable South African Plastics Industry for people, profit and planet through collaborative and coordinated platforms.

S U S T A I N A B I L I T Y

Key Focus Areas and Deliverables

Waste Management
and Recycling

Influence Human
Behaviour

Product Stewardship
and EPR

Resource
Efficiency

Advocacy, Stakeholder Engagement and Networks

Plastics|SA's Sustainability Division partners with local and international stakeholders to ensure that we are part of the global movement addressing plastics pollution, whether on land, in rivers or in the oceans.



Global networks



National,
provincial
and local
government



Business and
industry



Environmental
organisations



Waste
management
industry



Informal sector



Producer
Responsibility
Organisations



S U S T A I N A B I L I T Y

OCS - Operation Clean Sweep



Plastics|SA signed the Global Declaration on Marine Litter in 2011, in order to address plastics pollution in the environment.

The OCS Programme assists the Plastics Industry to recognise the importance of preventing the loss of plastics resin into the environment.

The following organisations are signatories of Operation Clean Sweep® (OCS)

Associations and PROs:

- PETCO
- POLYCO
- Polystyrene Association of SA
- SA Vinyls Association
- SAPPMA
- PCA
- SAPRO

Converters:

- Polyoak
- Berry Astrapak
- Plastic Bubbles
- Neptun Boot

Raw materials:

- Sasol
- Safripol

Recyclers:

- Myplas
- Tufflex

Logistics:

- Unitrans Supply Chain Solutions



Clean-up and Recycle South Africa

KwaZulu - Natal Flood Relief Assistance

After heavy rains and the subsequent floods in KwaZulu - Natal during April 2022, the plastics industry, coordinated by PlasticsISA, worked with existing partners in the Durban area, to remove the massive amounts of litter and other debris and restore waste management facilities affected by the floodwaters, such as buy-back centers and litter booms. Our clean-up partners included Durban Solid Waste, Inkwazi Isu - KZN South Coast Project, Clean Surf Project, Durban Green Corridor and Tri-Eco Tours. The teams focused on the Umgeni River catchment, the harbour areas and the South Coast of Durban.

Thank you to the organisations that supported the clean-up operations: PlasticsISA, PETCO, POLYCO, Safripol and Coca-Cola.

14 September *declared* National River Clean-up Day

As part of PlasticISA's River Catchment Project, National River Clean-up Day was launched in response to the many enquiries received from the public, municipalities and corporates who wanted to get involved in Clean-up and Recycle Week, Recycling Day SA, International Coastal Clean-up and World Clean-up Day. Research has shown that 80% of ocean litter originates inland and makes its way to the ocean via the various waterways.

Inkwazi Isu - KZN South Coast Project

Fish Eagle Project - (Inkwazi Isu)

The Alliance to End Plastic Waste (AEPW), eThekweni Municipality, corporate stakeholders - PlasticsISA, Coca-Cola Beverages SA, PETCO, POLYCO, SASOL, Dow Chemicals, Polystyrene Association of SA Health Foundation and the local communities are standing together to clean up the Durban South Coast environment and get plastic waste out of the sea, rivers and roadsides and back into the plastics value chain.

By identifying and facilitating strategic partnerships and collaboration in the collection and processing of recyclable plastics, the KZN Marine Waste Network South Coast (Inkwazi Isu Project), hopes to provide improved environmental education and training, the development of collection and recycling infrastructure to assist collectors and recyclers and ultimately to develop a new locally based value chain for plastics waste.



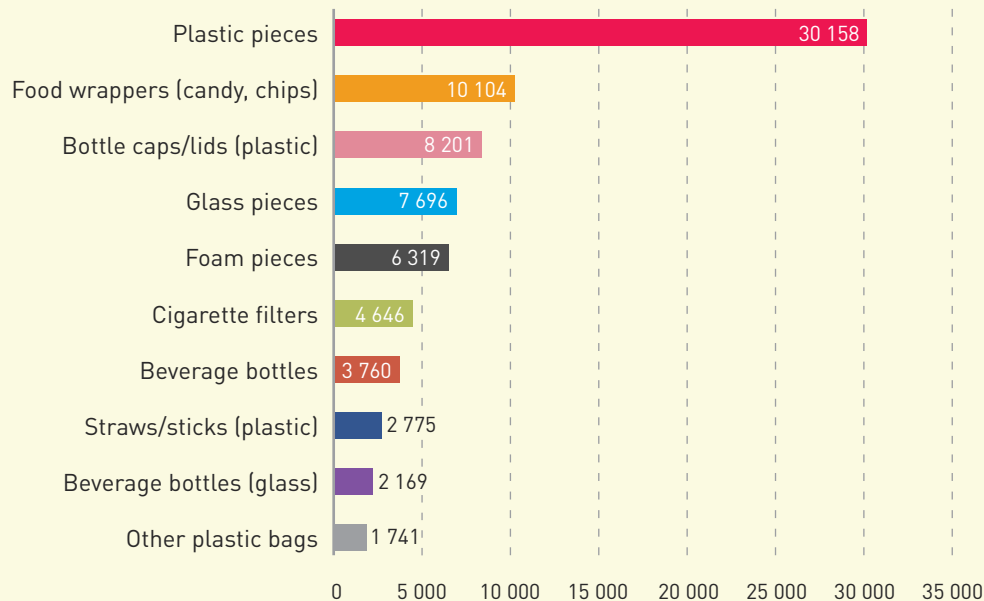
S U S T A I N A B I L I T Y

International Coastal Clean-up 18 September 2021

Despite the challenges of the Covid virus and related lockdowns, Plastics|SA's 25th year of coordinating South Africa's participation in the International Coastal Clean-up Day, was once again a huge success.

Top ten items collected in 2021

South Africa



World

1. Cigarette butts
2. Plastic bottles
3. Food wrappers/ chip packets
4. Other
5. Plastic bottle tops
6. Grocery bags
7. Straws and Stirrers
8. Takeaway containers
9. Metal beverage cans
10. Glass beverage bottles



SA Facts



Covered **358** kms
along the coastline



60 000
volunteers



500 000 bags
sponsored for the campaign



400 000 bags at approx 3 kg each
= **1 200** tonnes of waste removed



More than **450** clean-up
events countrywide

Thank you to our sponsors and volunteers who made this possible.

For more info visit www.cleanupandrecycle.co.za



S U S T A I N A B I L I T Y

Clean-up Warriors

These unsung heroes, in communities around South Africa, tirelessly protect the environment and make a difference in the quality of community life. They do it to create awareness of the plight of many of our waterways and oceans affected by litter originating inland.

This year's recipients of the 2022 Caroline Reid Awards

Sulandi van den Heever has coordinated the clean-ups in the Lambert's Bay area for the last decade.

GEESE, and in particular **Cilla Bromley**, has been pivotal in organising clean-ups in the Glencairn and Simon's Town areas, for more than a decade.

The **Izame Zabantu Nature Helpers** are dedicated to removing the pollution that flows via the Black River, into the canals in Paarden Island in Cape Town.

Birdlife South Africa branch in the Overberg, under the auspices of Dr. Anton Odendal take on some of the most sensitive clean-up actions on the coast.

The **Lower Breede River Conservation Trust**, Witsand, is very proactive in keeping one of the largest rivers in the Western Cape managed and policed in conjunction with provincial and local authorities.

Safripol has been a supporter of Plastics|SA's Clean-up and Recycle Week for the past 10 years. They sponsor the Durban Green Corridor clean-ups and litterbooms on the Umgeni River.

Through **CityZen**, Najen Naidoo has been helping communities of Johannesburg's Northern suburbs fight neighbourhood deterioration and economic depression with the help of volunteers and other partners, by creating greener, cleaner and safer areas, one clean-up at a time. Najen inspires active community participation in reducing littering and turning the waste picked up during clean-up campaigns into sustainable job opportunities through recycling and upcycling programmes.



New Appointment



We welcome **Kabelo Phakoe**, who was appointed in February 2022 as Sustainability Projects Coordinator for the Inland Regions.

Lead by **Dalu Cele, Clean City SA** unites the citizens of Johannesburg in working together towards restoring the city by conducting sustainable clean-up campaigns and making real change in the lives of the residents and the environment.

Tri Eco Tours: Sphiwe Rakgabale is the clean-ups and litter booms coordinator at Durban Green Corridors, managing the Umgeni and Uhlanga litterbooms.

Durban Green Corridors supports clean-ups and litterbooms in the Umgeni River area, co-creating open green spaces within the city of Durban and promoting community green deeds.

Eco Care Trust gathers valuable information on the aquatic state of our freshwater eco-systems. Bernard Venter, a keen angler, distributes litterbags provided by Plastics|SA, to visitors at dams, rivers and angling competitions to educate people on the effects of litter on the waterways.

Illegal dumping has several negative outcomes including soil, water and air pollution. It is for this reason that **Luka Mashudu Makhado** created the **Soulbent Project** focusing on garden services and recycling. Luka and his team are dedicated to cleaning Gauteng, one illegal dump at a time.



learning and development

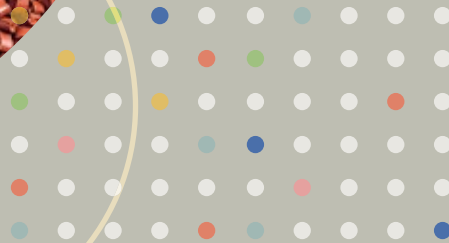
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22



7



STRATEGIC OBJECTIVE

To leverage the position of lead provider of technical skills as a high value, strategic partner for skills development and capacity building with a South African and African footprint in the Plastics and related sectors.

LEARNING AND DEVELOPMENT

Key Deliverables



Provide technical qualifications through the delivery of Skills Programmes, Learnerships, Recognition of Prior Learning and unique customized solutions on NQF Levels 2-5.



Empower and capacitate people to improve productivity and efficiencies in their business.



Build dynamic and professional partnerships with relevant stakeholders.



Play an instrumental role in shaping people's lives for employability.



LEARNING AND DEVELOPMENT

New Training Offerings

MPACT

Quality Performance in Plastics Manufacturing (SP 0050/06-17)

Mpact Versapak Paarl

Understand Production Process and Quality Principles in Plastics Manufacturing (SP 023808-17)

Gold Sun Industries (Pty) Ltd Atlantis

Understand Production Process and Quality Principles in Plastics Manufacturing Skills Programmes (SP 023808-17)

Specialised Training

Peter Cracknell

August 2021

Online Injection Mould Design – Short Course

Highlights of the Programme included

'The Injection Moulding Machine and its influence on Mould Design'; 2 and 3 plate design and construction, prototype moulds, mould construction materials, runnerless moulds, fault appraisal and plastic product design for injection moulding machinery.

June 2022

Online Plastic Part Design Programme

Peter Cracknell's programme focused on the unique nature of plastics and how to effectively design with them to ensure ease of production and efficiencies.

Cross Border Training

Nampak

Botswana

WBHO (Online)

Botswana

Langer Heinrich Uranium

Namibia

Duys Moçambique (Online)

Mozambique



Retrenchment Assistance Programme (RAP)

The Training Division of Plastics|SA was awarded a discretionary grant by merSETA to train and upskill retrenched workers from the plastics industry.

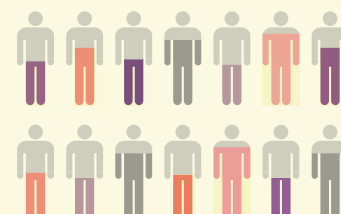
17 learners are being funded for Learnerships and 8 learners for Skills Programmes offered at our regional training centres. Learners are equipped with in-demand technical manufacturing skills while they earn stipends for the duration of their training. Enrolment will be ongoing over the next three years.

Customised Training

Spilo(Paarl)
Management Overview for Extrusion of Polypropylene Monofilaments

No. Of Learners Trained

Total 3366





LEARNING AND DEVELOPMENT

Staff Development

Prean Reddy

Operations Management (Year 2)
– Production Management
Institute SA

Kirtida Bhana

Leadership in Board Governance
(6 Months) - Wits School of
Governance

Kirtida Bhana

Business Incubation Management
– African Business Incubation
Institute

Donations

Conro Precision

2nd hand 75 Ton Arburg
Injection Moulding Machine
(Western Cape)

Hestico (Pty) Ltd

2nd hand Maguire
Raw Material Gravimetric Dosing
and Mixing System
(Western Cape)

Myplas (Pty) Ltd

Raw Material for Injection
Moulding Practicals
(Western Cape)

Penflex

White Board Markers and
Highlighters
(Western Cape)

Plasti-weld

Welding rods
(Gauteng)

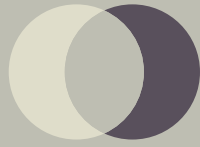
New appointments



Fridah Matuludi joined the Gauteng office as Training Administrator in November 2021.



Zikhona Nokama was promoted to Training Administrator in June 2022.



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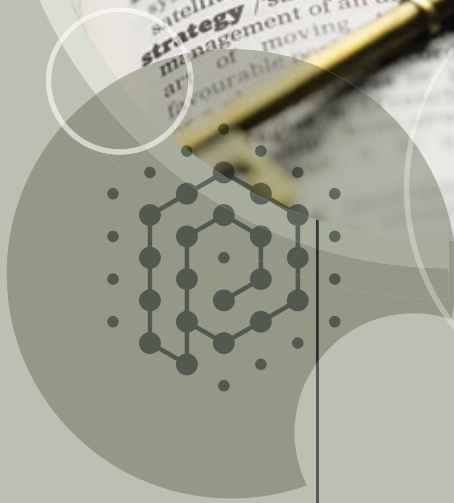
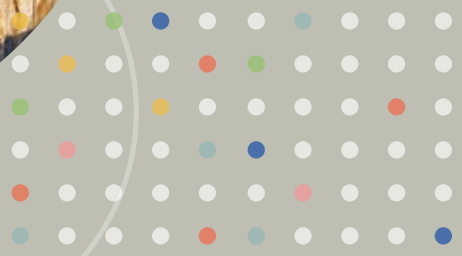
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financials

Functional. Innovative. Trusted.



8





Statement of **Financial Position** as at 30 June 2022

Figures in Rand	2022	2021
Assets		
Non-Current Assets		
Property, plant and equipment	6 860 914	7 268 999
Other financial assets	8 675 317	7 636 511
	15 536 231	14 905 510
Current Assets		
Trade and other receivables	3 336 365	4 004 336
Other financial assets	124 147	127 932
Cash and cash equivalents	19 123 041	16 223 975
	22 583 553	20 356 243
Total Assets	38 119 784	35 261 753
Equity and Liabilities		
Equity		
Retained income	32 664 933	29 819 288
Liabilities		
Non-Current Liabilities		
Finance lease liabilities	246 988	-
Current Liabilities		
Trade and other payables	4 405 363	4 556 353
Finance lease liabilities	52 403	-
Provisions	750 097	886 112
	5 207 863	5 442 465
Total Liabilities	5 454 851	5 442 465
Total Equity and Liabilities	38 119 784	35 261 753

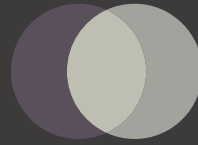


Plastics Federation of South Africa NPC (Registration number 1979/006067/08) Trading as **Plastics | SA**

ANNUAL FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2022

Statement of Comprehensive Income

Figures in Rand	2022	2021
Revenue	30 372 092	29 655 276
Cost of sales	(5 388 937)	(5 175 726)
Gross profit	24 983 155	24 479 550
Other income	1 632 414	1 891 817
Operating expenses	(24 607 257)	(22 831 183)
Operating profit	2 008 312	3 540 184
Investment revenue	906 181	457 884
Finance costs	(68 848)	(6 868)
Profit for the year	2 845 645	3 991 200



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