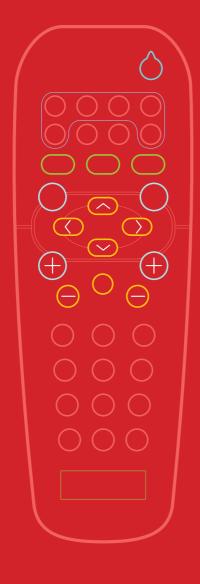


An Annual Review 2019 | 2020

Plastics | SA

 $\underline{www.plasticsinfo.co.za}$



Messages from the Chairperson and the **Executive Director**

06 Advocacy

Marketing and Communications

Sustainability



I wish life came with a remote. Fast forward the hard times, rewind back to the good times, pause the happy times and *stop* so it will restart.

UNKNOWN

Plastics|SA

- Board Members
- Exco Members
- Partnerships

05

Plastics|SA

Team

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Plastics Statistics

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Financial Overview

Chairperson's

MESSAGE



2019 was already a year fraught with challenges for the South African plastics industry. Then along came 2020 with the ravaging Covid 19 virus, which indirectly caused even more serious economic damage. However, it also disrupted the ongoing negative onslaught against

Plastics. The benefits of our materials in protective gear, medical equipment and packaging soon became evident as the virus wreaked havoc across the world.

Much of the economic damage was caused by the lockdown of economies worldwide and the tussle between saving lives and saving livelihoods eventually had to tip in favour of the latter.

Certain industries such as the hospitality and airline industries were decimated by the lockdown. Thankfully most manufacturers of essential products were spared the worst. The Plastics raw material sector was affected, with a drop in volumes, but we seem to have been largely spared by the essential nature of our industry and the lifting of elements of the lockdown.

Under the leadership of Minister Barbara Creecy, the Department of Environment, Forestry and Fisheries (replacing DEA) moved quickly to collaborate with industry on the development of the Extended Producer Responsibility Scheme (EPR). The Plastics Industry's submission falls under the Packaging SA umbrella.

It was a great show of co-operation between our PRO's (PETCO, POLYCO, SAVA and the Polystyrene Association of SA), the Glass and Metal PRO's, Coke and other brand owners, who collaborated and rewrote the legislation to

create a new draft plan on how best we can collectively move forward.

As a wise person once said: 'You can't let your past hold your future hostage'. We need to focus on economic growth, job creation, a cleaner environment with a developing circular economy in the packaging waste industry, with our pendulum swinging towards a better life for all.

Yours truly,

Jeremy Mackintosh

Chairperson Plastics | SA Board

There is nothing to gain by being negative.

With positive energy and commitment, we will ultimately prevail.

Executive Director's

MESSAGE



The year 2020 has been labelled by many as "the year of the Big Pause" as nations around the world were forced to go into lockdown in an effort to prevent the spreading of the Coronavirus pandemic.

Overnight, humanity gained new insight into how much

we take for granted and how little we truly need to survive. We gained new respect and gratitude for our 'essential' healthcare workers, collectors, factory and shop staff, and the long-distance truckers who worked tirelessly to ensure that shelves were stocked. At the same time, the public experienced first-hand the important role plastics play in our modern lives. From personal protective equipment (PPE) and ventilators, to disposable plastic food packaging and carrier bags – it was hard to ignore that plastics were indispensable and relied upon to offer protection against the rapid spreading of the disease as well as assist in the treatment of the patients who were already fighting for every breath.

Nothing could have prepared us for the unexpected challenges and changes that tested our strength of character – as individuals, but also collectively as an industry and a society. However, it also offered us the opportunity to demonstrate kindness and generosity during a time when human suffering and hardships were at their bleakest (read more about how Plastics | SA, together with our PRO's joined forces with Packaging SA and Government to raise funds for the waste pickers during the COVID-19 lockdown on page 6).

This past year was clearly not about margins and profits. What was of utmost importance, was how our industry navigated this unexpected and unprecedented journey.

I tip my hat and acknowledge every company in our industry that fought to survive and succeeded in keeping their doors open in order to protect the livelihoods of their staff. I salute every manufacturer who was willing to embrace change and adapt, almost overnight, in order to meet the demand for protective gear, medical equipment or sanitisers. Thank you to our Board members for expert guidance, and to each and every staff member who tenaciously ensured that it was business as usual. Bravo to our intrepid and passionate training teams who adapted materials in order to offer plastics training programmes online, as well as at our training facilities for students without access to the internet. Thank you to our Sustainability and Marketing Teams who continued to walk the talk through their activities that raise awareness of the important role that plastic plays and why it should not end up in our environment.

This 'can-do' spirit - that refuses to give up - but instead is fuelled by a passion for what we do and who we are - is exactly what will drive the plastics industry forward and to greater heights!

Yours sincerely,

Anton Hanekom

Executive Director Plastics | SA

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Board Members Partnerships

Jeremy Mackintosh, Chairperson, Representing PCA Cicelia van Rooi, Vice Chairperson, Representing **Importers**

Thokozani Masilela, Vice Chairperson

Representing Department of Trade and Industry

Grant Heroldt, Representing ARMSA

Mike Myers, Representing EPSASA

Bob Bond, Representing PISA

Mark Berry, Representing SAFRIPOL

Jan Venter, Representing SAPPMA

Johann Conradie, Representing SAPRO

Gerome Marrian, Representing Sasol Polymers

Geoff Barends, Representing Importers

Anton Hanekom, Executive Director, Representing Plastics SA

Douw Steyn, Ex Officio, Representing Plastics | SA Kirtida Bhana, Ex Officio, Representing Plastics | SA

Exco Members

Jeremy Mackintosh, Chairperson, Representing PCA Cicelia van Rooi, Vice Chairperson, Representing **Importers**

Thokozani Masilela, Vice Chairperson Representing Department of Trade and Industry

Gerome Marrian, Representing Sasol Polymers

Johann Conradie, Representing SAPRO

Anton Hanekom, Executive Director, Representing Plastics | SA

Douw Steyn, Representing Plastics ISA

Kirtida Bhana, Representing Plastics | SA

Producer Responsibility Organisations









Raw Material Suppliers and Importers













Associations

Association of Rotational Moulders of South Africa

Expanded Polystyrene Association of South Africa

Plastics Convertors Association of South Africa







Plastics Institute of South Africa

Southern African Plastic Pipe Manufacturers Association



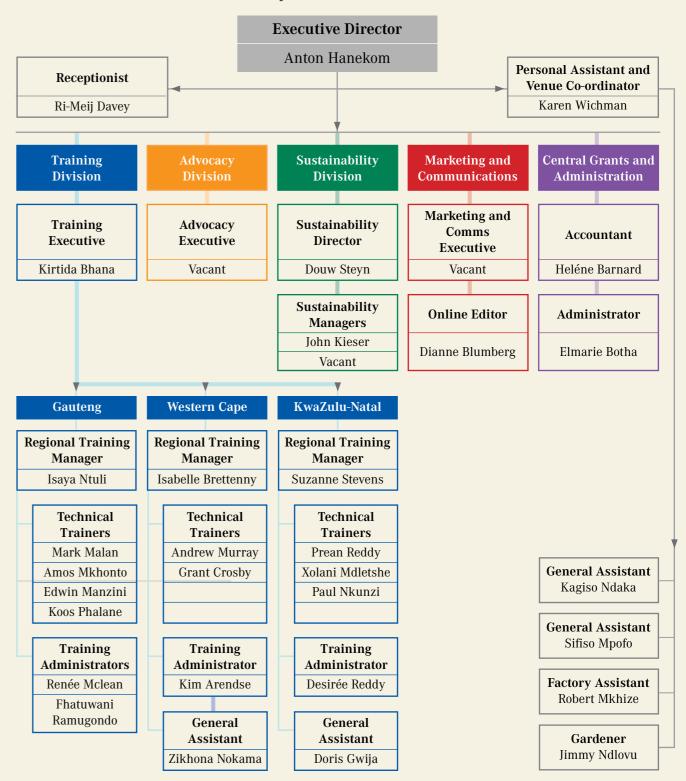


Recycling Association



Plastics | SA

July 2019 - June 2020



Plastics SA ANNUAL REVIEW 2019 | 2020

Industry joins hands to support Lockdown challenges



In March 2020, with the onset of the Covid 19 Pandemic, Plastics | SA and the PROs urged the Government to classify certain of its sectors as essential workers in order to ensure an uninterrupted

supply of foodstuffs and essential healthcare products during the lockdown period.

Dow Southern Africa in partnership with Plastics | SA and the Justice Coalition distributed 20 liter PacXpert

plastics pouches - recyclable, lightweight, refillable bags, containing soapy water - to COVID-19 action community groups operating in areas of the Western Cape and 80 to the City of Cape Town's Solid Waste Department for use by waste collectors on their trucks.

Plastics | SA, the plastics and packaging PROs and Packaging SA rallied together to donate funds to waste reclaimers who were no longer able to work. Working in close partnership with the Department of Environment, Forestry and Fisheries (DEFF), the South African Waste Pickers Association (SAWPA), and African Reclaimers Organisation (ARO), a total amount of more than R1 200 000 was raised and sent to the collectors via cellphones to be redeemed at major supermarket retailers and other shops.

Minister Creecy

said: "Waste can

be converted into

value. Every ton

of waste that ends

However, every ton

of waste that gets

recycled, creates

18 jobs".

up on dumpsites

creates one job

opportunity.

South African Initiative to End Plastics Waste



In 2019, Plastics | SA started the SA Initiative to End Plastics Pollution, in which raw material producers, brand owners, retailers, manufacturers, distributors, recyclers and many others in the extended packaging value chain, collaborate on ways to reduce plastics in our environment.

The Initiative includes six working groups covering infrastructure, technology and innovation, bioplastics, education and awareness, the integration of the informal sector, and standards and compliance. This past year, the Initiative assisted the Inkwasi Isu project on the South Coast in the development of a business plan to be used as a blueprint in future, involving communities,

local municipalities, waste management companies and environmental networks.

In November 2019, more than 800 people representing the entire plastics value chain attended the Plastics

Colloquium, which was presented by DEFF in collaboration with Plastics | SA and CGCSA. It was an opportunity for industry to showcase our achievements in line with the principles of the future circular economy and for Plastics | SA, Petco, Polyco, SAVA and the Polystyrene Association of SA to discuss their various recovery and recycling projects with Minister Creecy.

The working groups will continue their work and will be giving feedback to the Minister on developing evidence-based solutions to fit our unique South African context.

Developing a Section 18 EPR Plan

In 2019, role-players such as Plastics | SA, Packaging SA, the PRO's and other stakeholders engaged with the Department of Environment, Forestry and Fisheries to develop a Section 18 Extended Producer Responsibility (EPR) Plan for South Africa's Paper and Packaging industries.

The Section 18 aspect of the National Environmental Management Waste Act (NEMWA) will make it mandatory for all producers of packaging waste to belong to a registered Producer Responsibility Organisation (PRO). The funds generated from these memberships will be used to grow the collection and recycling of plastic packaging in South Africa and to promote the responsible use and reuse of plastic packaging.

The EPR will assist with the reduction of plastic waste leakage into the environment, however this would be futile without the necessary waste management infrastructure in place.

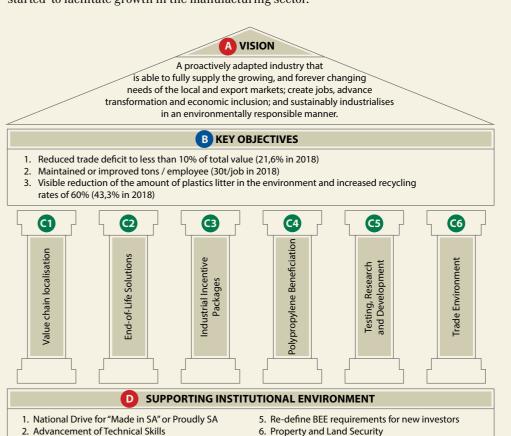
Master Plan for Plastics Industry

Following the 2019 State of the Nation speech where President Cyril Ramaphosa announced the development of master plans for a number of industries, the Department of Trade, Industry and Competition started to facilitate growth in the manufacturing sector.

3. Ensured compliancy of all stakeholders

4. Reliable supply of energy

The Plastics Industry started the development of its own master plan outline which was tabled at the end of April 2020. We will consult with the Plastics Industry and other stakeholders on this draft Business Plan.



7. Logistics for cargo movement

8. Private Public Collaboration re. Single Use Plastics

As the process unfolds, industry players will get the opportunity to identify aspects of the master plan to design and develop growth in their own industry sector. Buy-in is required from the institutions involved and detail will be added to the action plan as it develops.

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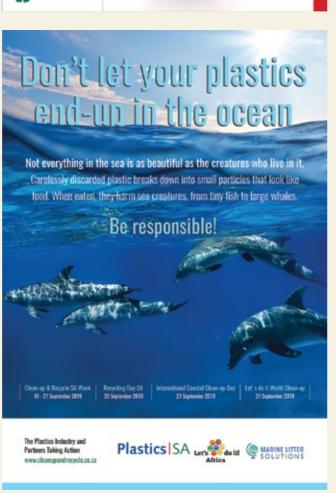


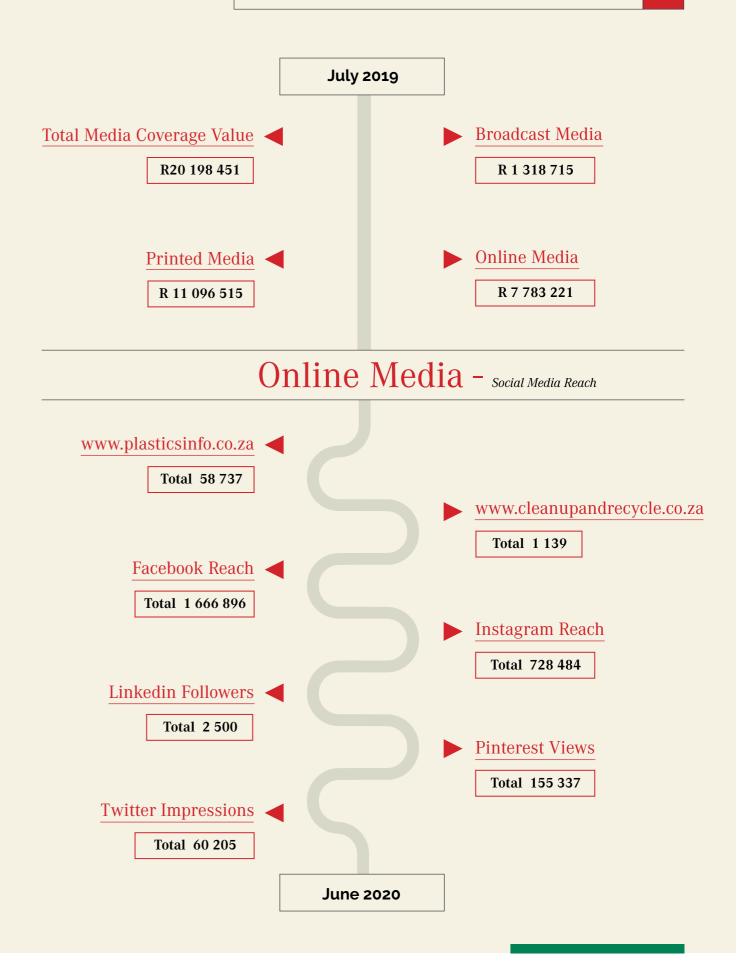












Education is of the utmost importance if we are to change behavior in our society.

Plastics | SA's 2019 series of articles in a national Educational Magazine reached learners from all sectors of South Africa, teaching the importance of our environment in a fun and memorable way!









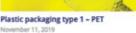


Our Educational Social Media Campaign appeared on Instagram, Facebook, Linkedin and the www.plasticsinfo. co.za blog during the months August - December 2019 and reached a whopping $225\ 000$ readers.











Plastic packaging type 2 - PE-HD



Plastic packaging type 6 - PS







How PS packaging is recycled in South

Plastics | SA's 40 year Milestone

In 2019 Plastics | SA celebrated 40 years in the industry. Lessons in survival over the past 40 years were put to good use during 2020!







Advocacy, Stakeholder Engagement and Networks

Plastics | SA's Sustainability team works with various stakeholders, local and international, to ensure that we are part of a strategic global drive to address the issue of plastics pollution.

Environmental

organisations



networks

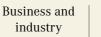


provincial

and local

government







Waste management industry





Responsibility Organisations

HIGHLIGHTS

OCS - Operation Clean Sweep

Plastics | SA signed the Global Declaration on Marine Litter in 2011, in order to address plastics pollution in the environment and assist the Plastics Industry in making pellet loss a top priority.



1. Front row: Mandy Naudé (POLYCO), Cheri Scholtz (PETCO), Adri Spangenberg (Polystyrene Association of SA). Back row: Douw Steyn (Sustainability Director, Plastics | SA) and Anton Hanekom (Executive Director,

Plastics | SA).

In 2019, the following Organisations signed up:







Caroline Reid Awards

The Caroline Reid Award for the Clean-up Champion of 2019 is a new, bi-annual award established by Plastics | SA to recognise and reward excellence in South Africa by an individual in the field of land-based, river, marine and coastal clean-ups. Caroline Reid was a passionate ocean conservation warrior who was central to the coordination of hundreds of clean-ups in the Durban area, and tragically died in the prime of her life.

The 2019 winner, Alison Bryant of the Keep Plett Clean Campaign, was honoured at the gala dinner to celebrate

the 20th Anniversary of the Marine & Coastal Educators Network (MCEN), held at the Zeekoevlei Yacht Club in Cape Town, in January 2020.



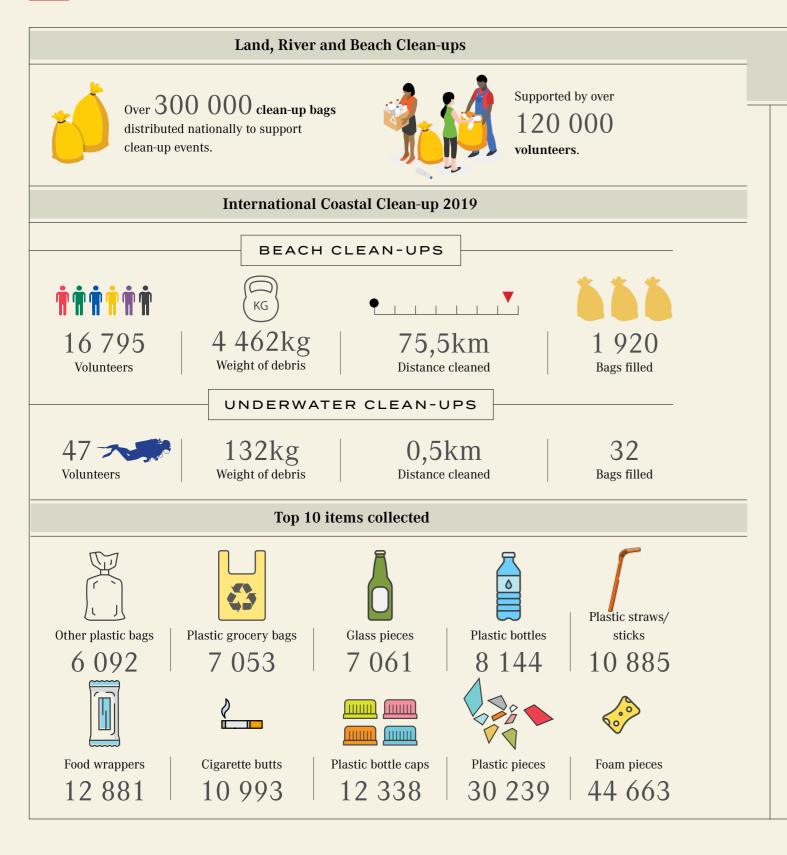
2. The Caroline Reid Award for the Clean-up Champion of 2019 finalists.



3. The 2019 winner, Alison Bryant of the Keep Plett Clean Campaign with Douw Steyn (Sustainability Director, Plastics | SA) and John Kieser (Sustainability Manager, Plastics | SA).

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Clean-up and Recycle SA 2019



Thank you to the following donors and supporters, without whom this project would not have been possible:

Ocean Conservancy Kelpak Pick n Pay Plastics | SA PETCO (PET Recycling Company) POLYCO (Polyolefin Recycling Company) SAVA (SA Vinyls Association) Polystyrene Association of SA Packaging SA **Tuffy Manufacturing** Coca-Cola National Recycling Forum The Glass Recycling Company Recycle Paper ZA Tetrapak **ROSE Foundation** Supa Mama (Verigreen) Sasol Safripol **Dow Chemicals** Western Cape Provincial Department Department of Environment, Fisheries and Forestry African Marine Waste Network Clean-up coordinators Volunteers

4 KZN Marine Waste Network South Coast

The KZN Marine Waste Network South Coast, a member of the African Marine Waste Network and KZN Marine Waste Network; was launched at the Amanzimtoti Lagoon on 14 March 2020. This is directly aligned with the aims and objectives set by the SA Initiative to End Plastic Waste, i.e. solving the issue of plastic in the environment.

It included the launch of a river catchment project that focuses on waste management and recycling, setting up of litterbooms, regular clean-ups and education and awareness.

Thanks to Clean Surf Project, Shoprite Group, Sapphire Coast Tourism, Toti Beach Management, Verigreen, Coca-Cola, Toti Conservancy, Creation Care Network of Natal, eThekwini Municipality, Sasol, PETCO, POLYCO, the Polystyrene Association of South Africa, SAVA and other industry partners.

A R5 000 cheque (sponsored by Plastics | SA and PETCO) was handed to Cathy Colley, the winner of the competition to name the pilot project with her suggestion, "Inkwazi Isu", meaning the African Fish Eagle Project.

7. KZN Marine Waste Network Clean-up South Coast

4. Inland clean-up

5. KZN inland river clean-up

6. Clean-up at Durban Harbour

Online Training – turning Covid-19 challenge into an opportunity

With the arrival of Covid-19 and lockdown regulations in March 2020, training came to an abrupt halt. However, our Training teams transformed all of the theoretical and classroom practical learning content that they usually offer for in-classroom learning, into an interactive, live online platform and it was soon business as usual.

Practical aspects of the training were scheduled for when companies were able to arrange safe transportation of the learners to one of Plastics | SA's three training facilities located in Midrand (Gauteng), Maitland (Western Cape) and Pinetown (KwaZulu-Natal).

Contextual skills now at Plastics | SA



The Merseta recently participated in the Wits School of Governance offering in Research Contextualisation and enrolled a cohort of Merseta Chamber members into the 3-month programme.

Plastics | SA's Kirtida Bhana was part of the group and passed with flying colours. We congratulate Kirtida on her achievement and a further 'shout out' on being Top Student in her group.

We further congratulate Kirtida on completing a post graduate Diploma in Design Thinking and Innovation through MIT, University of Columbia and TUCK. Kirtida also passed this programme with flying colours boasting a distinction in Strategy in Innovation.

KZN Graduation



On 6 February 2020, 83 learners received their certificates in either Plastics Manufacturing, Polymer Composite Fabrication or Supervisory Management. The total number of notional hours for all 83 learners was 112 050!

▶ 83 learners

▶ 112 050 notional hours!

Information Sharing Breakfasts

These were held in Western Cape and KwaZulu Natal early in March 2020 and enjoyed good participation. Unfortunately the Gauteng and PE breakfasts had to be cancelled due to Lockdown regulations. The theme,

'Inside the box', encouraged the audiences to utilise everything within our 'closed world' – to make big things happen.

Donations for Training

- · Plasti Weld
- Tupperware
- Safripol
- Merk
- Pioneer Plastics
- Neptun Boot

- Barrier Film/ Master Plastics
- New Era
- Evernu Plastics
- Verigreen
- Alplas Plastics

- Goldsun Industries
- Usabco
- · Spicoly Plastics
- · Path Plastics
- AG Plastics
- Tuffy Promotions

- Evotec Plastics
- Plastomark
- MacNeil Plastics
- Summit Publishing
- GPS Plastics
- Freedom Stationery

Customised Programmes



Extrusion Blow Moulding Overview for Operators - Nampak Liquid Polokwane

One on one Machine Operation training -Pak Plastics Thermoplastic Welding Overview for Managers – Sasol and Johannesburg Water

Customised Injection Moulding -Peninsula Beverages Coca-Cola Basic Extrusion: Pipe and Profile, Blown Film and Sheet Extrusion – Safripol

Customised Managers Overview of Injection Moulding - Peninsula Beverages Coca-Cola Production
Supervisors and
Trainee supervisorsMpact Plastics

Customised Generic Management Overview with Managers -Standard Profil SA

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B Eng Degree launched Nov 2019



After a few years of developmental workshops, Plastics | SA, the Tshwane University of Technology(TUT) and various other stakeholders launched the new Bachelor of Engineering Degree in Polymers which seeks to address the shortage of qualified plastics technicians and engineers in the industry (as informed by Plastics Chamber research), and address future demands on the industry. Plastics | SA was actively involved in developing a curriculum that would meet these needs. In the context of the global Industry 4.0 and circular economy focus, it was obvious that the new qualification would have to be radically different to anything that was previously on offer.

The 3 year curriculum of this qualification fulfils all of the requirements of an Engineering qualification at TUT with subjects such as Mechanics, Engineering Mathematics, Thermoflow, Plastic Part and Tool Design and Probability and Statistics as new additions.

'We needed to make sure that we would produce plastics technologists that would lead the industry forward over the next decade."

Prof Caroline Khoathane, Asst Dean: Teaching and Learning at the Faculty of Engineering and the Built Environment at TUT'.

Plastics Chamber Research Sept 2019

In 2019 The Plastics Chamber conducted research into the education and training provisions in the Higher Education sector, with a specific focus on preparing technicians and engineers to meet the current and future demands of the plastics industry. The study aimed to identify gaps in provision and to make recommendations to the merSETA on future interventions to support the plastics sector.

Considering the global focus on Industry 4.0, the Circular Economy and the local plastics industry, universities and universities of technology provided detailed, quantitative studies of the current courses being offered. It was important that appropriately qualified plastics technologists, ready to take on the workplace and lead the industry forward over the next decade, were produced.

We expanded our footprint in Africa



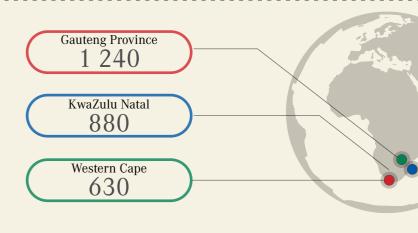




Number of Learners qualified at Plastics | SA (July 2019 – June 2020)

Western Cape		KwaZulu Natal			Gauteng Province	
	Å		Å	1 1	Å	Å
Ī						
2019	2020	2019	2020		2019	2020
494	136	728	152		936	304

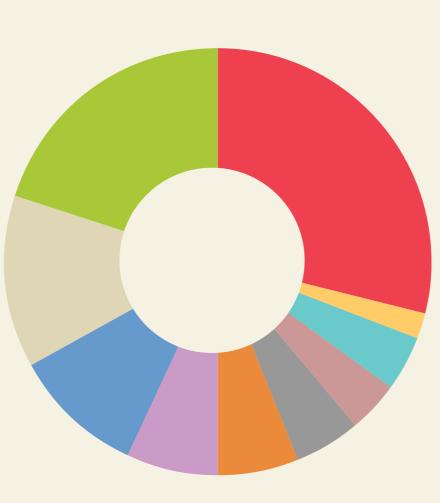




Plastics ISA ANNUAL REVIEW 2019 | 2020 Plastics ISA 19

South African Plastics Market Sectors - 2019

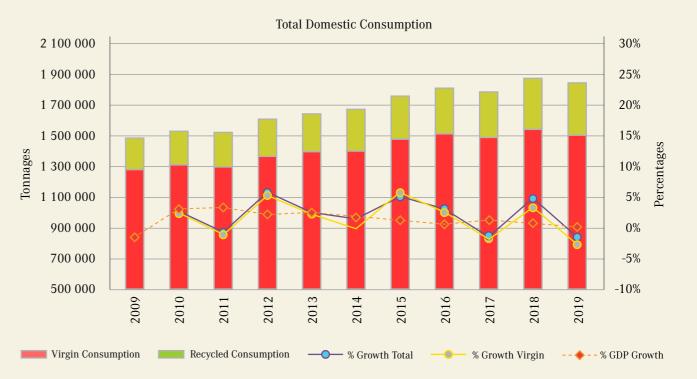




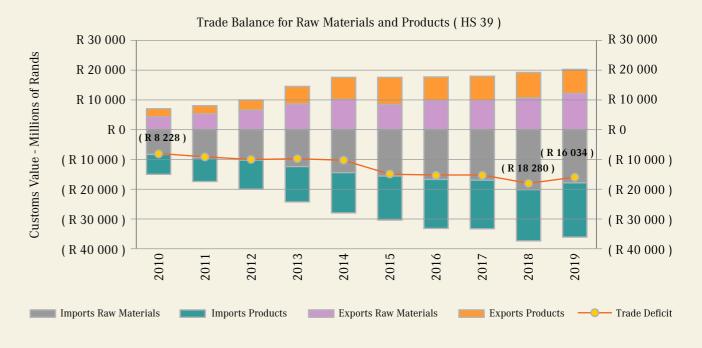
Europe 2018

Packaging	39.9
Building and Construction	19.8
Automotive	9.9
Electrical and Electronics	6.2
Agriculture	3.4
Other	16.7

Virgin Material and Recyclate Apparent Consumption in 2019



Trade Balance 2019



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Recycling Statistics 2019

KEY FINDINGS RECYCLING SURVEY 2019

SA produced 1.8 % less plastic products in 2019 (compared to 2018). $1~841~700_{\,\text{tons}\,\text{of polymer}}$ were converted into plastic products.

The plastics industry contributed 18.5%to South Africa's Manufacturing GDP.

119000 tons of quality recycled plastics were used to manufacture new packaging items such as detergent bottles.



two-litre milk bottles every day.



Almost half (49 %) of South Africa's plastics market is made up of the packaging industry,

followed by building & construction and agriculture.

R 2.065 billion was injected into the informal sector through the purchasing of recyclable plastics waste, creating 58750_{income} opportunities.



 $503\ 600_{\text{tons}\ \text{of}}$

plastics waste was collected for recycling in 2019, of which

362 800 tons were packaging.

This gives South Africa an input

recycling rate of

Tonnages landfilled, material

of recycled plastics were used in local manufacturing.

70~% of recyclable plastics were **obtained** from landfill and other post-consumer sources in 2019.

recycling saved 244 300 tons

of CO_2 - the equivalent emissions of 51 000 cars.

 $352\ 500_{\text{tons}}$ of material into raw material.

> not collected and value chain fall out, reduced by since 2018.

> > 337 700 tons

South African Plastics Industry



Estimated < 1800 companies mainly SMME's

337 700 tons recyclate



virgin material



Plastics industry employs < 60 000 people



Apparent Material Converted in 2019:

Approximately 49% of all polymer goes into packaging



Market size ex converter is estimated to be around R 70 billion



Plastics per capita consumption of approximately

27kg/person

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

Annual Financial Statements for the year ended 30 June 2020

Statement of Financial Position

	2020 R	2019 R
Assets		
Non-Current Assets		
Property, plant and equipment	7 963 036	8 746 949
Other financial assets	6 074 645	6 274 832
	14 037 681	15 021 781
Current Assets		
Trade and other receivables	3 734 453	3 756 434
Other financial assets	102 849	103 840
Cash and cash equivalents	10 352 946	8 759 644
	14 190 248	12 619 918
Total Assets	28 227 929	27 641 699
Equity and Liabilities		
Equity		
Accumulated surplus	25 828 091	22 992 080
Liabilities		
Current Liabilities		
Trade and other payables	1 513 945	4 120 574
Provisions	885 893	529 045
	2 399 838	4 649 619
Total Equity and Liabilities	28 227 929	27 641 699

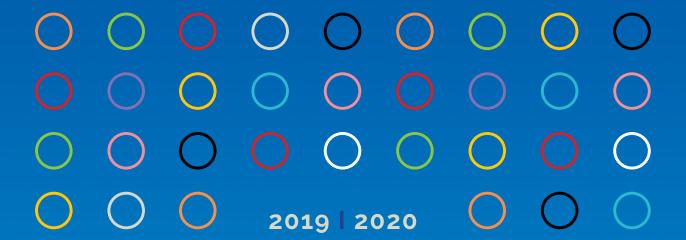
Plastics Federation of South Africa NPC (Registration number 1979/006067/08) Trading as Plastics | SA

Annual Financial Statements for the year ended 30 June 2020

Statement of Comprehensive Income

	2020 R	2019 R
Revenue	27 662 572	32 305 006
Cost of sales	(4 003 311)	(8 615 689)
Gross profit	23 659 261	23 689 317
Other income	623 317	277 147
Operating expenses	(21 796 916)	(23 471 870)
Operating profit	2 485 662	494 594
Investment revenue	735 792	825 847
Fair value adjustments	(376 077)	171 789
Finance costs	(9 366)	(10 247)
Surplus for the year	2 836 011	1 481 983

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