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Advocacy

Focus on Members

Responsible Care® 2023 Awards

Member Projects



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CAIA Vision and Mission

Vision

Responsible Care® envisages a profitable, sustainable chemical sector in South Africa that contributes to the quality of human life and the economy through innovation and production – without harm to people, property, or the environment. Responsible Care® aims to ensure that South Africa's chemical sector is recognised by all stakeholders as a responsible industry that plays an important role in providing a wide range of benefits to society – while remaining open, honest, accountable, and credible in all its dealings. Responsible Care® strives to achieve zero employee and contractor injuries, zero manufacturing process safety incidents, zero distribution incidents, zero environmental incidents, and zero fatalities.

Mission

The voluntary Responsible Care® Initiative aims to bring about continual improvement in the Safety, Health and Environmental (SHE) and security performance. Signatories to this Initiative commit to implement the Responsible Care® Guiding Principles and to constantly monitor, measure, and report performance in a transparent way. This allows signatories to measure progress, identify areas for future improvement and determine whether Responsible Care® is having a positive impact on industry performance.



Members









Chairperson's Statement

As the country celebrates 30 years of democracy, CAIA too celebrates 30 years of serving the value chain of the chemical and related industries in South Africa. The Responsible Care® Initiative has grown over the same period to reach a mature status, as benchmarked internationally, and engages with fellow associations worldwide, sharing best practices and collaborating on focus areas within the global space.



Following the elections that took place on 29 May 2024, and the subsequent establishment of the Government of National Unity (GNU), the following are the three strategic priorities set by Government for the next five years, namely:

- To drive inclusive growth and job creation;
- To reduce poverty and tackle the high cost of living; and
- To build a capable, ethical and developmental state

Furthermore, the Medium-Term Development Plan sets out a well-defined vision and strategic plan that outlines clear goals and includes specific, measurable objectives together with a roadmap. The National Development Plan Vision 2030 remains the defining blueprint for South Africa's growth and development.

CAIA looks forward to working with Government in growing the chemical and related sectors of the economy and contributing to the establishment of an enabling business environment. This includes the reduction of red tape measures that currently hamper business, and being part of the development of a capable and ethical state, which supports a positive outcome for South Africa.

Growth and competitiveness of the chemical and allied industries has been impeded by the challenges of an inconsistent energy supply and inadequate infrastructure, including rail, gas and freight logistics. CAIA continues to engage on various platforms to drive the development of a more favourable environment for trade and investment, skills development, innovation, and entrepreneurship.

It is encouraging that within the first hundred days of the GNU, a number of departments that CAIA engages with are showing a new enthusiasm and vigour, and are focusing on working with industry to raise the profile of the chemical sector, while striving to expand the economy. Public private partnerships are an integral part of the growth path, given the poor state of the country's finances, with private sector funding being crucial.

CAIA has indicated that it is committed to support Government in carrying out its mandate by providing, where possible, capacity and expertise. We look forward to Government embracing this offer in the coming year.

As regards the strengthening of chemicals management in the country, CAIA has set aside funds and is partnering with the International Council of Chemical Associations (ICCA) to provide capacity building, expertise, knowledge sharing, skills and technology assistance, where the needs are identified.

Waste management will also be a focus area for the forthcoming year, given the spotlight on this topic that is arising from several international negotiating platforms.

The importance of the supply of gas to the chemical industry and the wider economy cannot be underestimated. The recent announcement of a Memorandum of Understanding (MoU) between Sasol South Africa Limited and Eskom is welcomed, and industry looks forward to further details of this development. It is however concerning that Government is absent when it comes







Chairperson's Statement continued

to supporting infrastructure and taking on board part of the transaction costs and risk. It is noteworthy that there are exciting developments taking place within Namibia and along the various coastlines of our country, so it is hoped that by June 2027 there will be sufficient supply of gas for the country.

Once again, the Responsible Care® Key Performance Indicator (KPI) season was successfully completed and the results are presented in this report. Members are to be commended for their continued support for this process to enable CAIA to identify focus areas where increased assistance must be provided. It is disheartening to note that the number of fatalities reported in 2023 increased to seven which is the highest number recorded since 2018. Fatalities were reported for in-house activities and contractors, and all resulted from incidents that were not material related. A noticeable increase in recordable injuries was also reported for both contractors and inhouse and material and non-material incidents. Similarly, the rate of road incidents continued the upward trend again last year. Health, safety and security of workers and communities is at the heart of Responsible Care® and the Safety and Quality Assessment for Sustainability - AFRICA (SQAS-AFRICA), so having taken note of this disturbing trend, CAIA will be developing a programme to work with members to ensure that this is reversed.

It is encouraging to see that programmes and policies around community awareness and emergency response has seen a reduction in the number of complaints received for environment, health and safety. Living safely side-by-side with communities is essential for a sustainable chemical industry that contributes to the local economy and social development.

Many members have continued to implement measures to ensure optimised resource use and minimisation of industrial discharges to the environment, giving effect to sustainability and the circular economy. With the increasing global pressure and national legislation around environmental management, CAIA looks forward to seeing further improvements in the forthcoming year.

Turning attention to trade, the chemical sector is actively trading in the international market, with the combined imports and exports of final products representing 310% of its gross domestic product in 2023, and 450% when intermediary imports are added. More than 50% of imported final products are petroleum based and the remainder are products that are critical for the country's economy. Less than 30% of sales are exported and therefore exposed to international markets. However, a high dependency on imports of final and intermediary products makes the chemical sector (and country) exposed to product supply, fluctuations in the exchange rate and international and domestic logistical disruptions. This remains a matter of grave concern.

Business sentiment in the sector deteriorated almost continuously since the global financial crisis in 2008 to a low in 2018. Recovery was interrupted by the Covid pandemic but returned to positive territory in quarter one of 2024, only to retreat again over the last two quarters.

Production showed a lower trend turning point during 2023, but this lacks impetus, fluctuates from one period to the next and capacity utilisation is below the 'full capacity' margin of 85%. Annual production growth has been over 3% up to June 2024.

Sales also recorded a lower trend turning point during 2023, with stronger growth over the last year of around 9%. With a relatively benign price escalation, real growth of just under 9% was noted. The chemical sector international trade balances remained negative (R340 billion) but are largely unchanged over the last year, although highly volatile.

Employment numbers have plateaued over the last year. A most concerning trend is the lack of new fixed investment in the sector resulting in fixed capital stock/value of production capacity now 8% lower than pre-Covid levels, and more than 20% below the pre-global financial crisis levels.

There is a need to explore incentives for the industry going forward and to look at the current tariff structure in order to grow the chemical sector in South Africa.

During the year under review, there was an increase in members contributions to the work that CAIA embraces, and so advancing its goal of continuous improvement in all spheres. This enables CAIA to become a stronger voice for industry, nationally, regionally and internationally.

Following on from my message in last year's report, I cannot over emphasise the importance of working together, collaborating, innovating, partnering and sharing knowledge to build a strong chemical sector which includes Government, labour, community and industry.

Without investment, the country cannot grow and there will be no job creation and so it is imperative that we stand together and foster an environment for local and global investment.

As South Africa hosts the G20 and B20 in November 2025, the chemical sector will embrace this event and hold side events which will focus on the chemical industry on the African continent, as well as trade related matters, both internationally and within the African Continental Free Trade Agreement (AfCTFA).

Finally, I would like to applaud the CAIA team for the incredible dedication and commitment to the work at hand and always being available to the membership.

Please take time to peruse the 2024 Responsible Care® Performance Report, which provides the results from the KPI information received, as well as a synopsis of the work undertaken by CAIA.

/ **Nico van Niekerk** Chairperson of the CAIA Board











Performance Highlights

All performance results presented in this report are comparisons between operations undertaken during 2022 and 2023.



Safety and Health

Members



In-house Recordable **Injury Incident Rate**

† 60%



Contractor-related Recordable Injury Incident Rate

† 35%



In-house Road Transportation Incident Rate (That occurred as a result of the release of material)

† 333%



In-house Fatalities Reported



In-house Handling and **Storage Incident Rate**

\$53%



External Stakeholder **Complaints**

\$56%



Behaviourbased Safety Implementation

15.6%







Performance Highlights continued

Environment



4.3%



National Environmental Management Act

Section 30 Reportable **Environmental Incidents**

10%



Greenhouse Gas Emissions

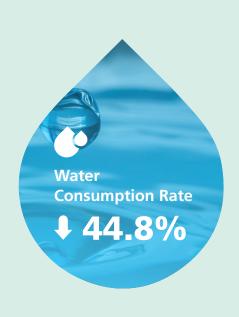


Licensed **Air Emissions**

17.5% 12.6% - 27.0%



Resource Use and Pollution Prevention





Energy Consumption Rate (Excluding Coal)

\$42.5%



Solid Waste Generation Rate

44%



Electricity Consumption Rate

44.2%



Percentage of Signatories that had a Waste Minimisation Plan in Place

\$86.4%

Members









Executive Director's Statement

As CAIA celebrates 30 years of operation, including being the custodian of the Responsible Care® Initiative for the same period, this report details the Responsible Care® pathway and achievements that have been made during this period and highlights opportunities and challenges to be addressed going forward.



In relation to membership, CAIA grew steadily over the past year. A decision was taken during the year to include industrial chemicals and pesticides as areas of focus, as these sectors are very much part of the global chemical landscape, including in the Basel, Rotterdam and Stockholm Conventions and needs to be in the purview of the Association.

Engagements continued to be held with members, and the various needs raised were addressed on a wide range of matters.

It is very pleasing to report that Orion Engineered Carbons (Pty) Ltd on 2 October 2024 opened their new Tank Farm at Coega Special Economic Zone. This was a journey of eight years that CAIA walked with the company, from initial discussions with Government to provide funding for this strategic project, to engagement with all stakeholders along the value chain.

Another successful KPI data compilation was again achieved this year and the progress towards indicators is presented in this report. CAIA thanks all signatories who embraced the new online platform for providing information and the positive input and comment to further optimise the system. The results demonstrate the areas where further interaction and training by CAIA is required and provides information for high level engagement with Government. The deterioration of safety indicators is highlighted as one area of concern, which has necessitated a focused theme for 2025 being "Safety First".

There have been several developments in the trade arena, both in the global and national sphere, that have significant impact on the chemical sector and its value chain, that CAIA is tracking and providing input where required.

In the South African environment, ongoing discussions are held with Transnet and related forums, including the National Logistics Crisis Committee, around critical trade related issues at the various ports, both land and sea, where members are experiencing challenges relating to the exportation and importation of goods. Discussions are also underway regarding the movement of hazardous goods from road to rail across the country and into neighbouring countries, to ease the congestion on the country's roads.

The ICCA has issued a position paper on plastics and trade where a progressive trade policy will facilitate the movement of hard to recycle plastic waste from countries without sufficient recycling capacity, to regional hubs that have the capacity to recycle in an environmentally sound manner. This will ensure outcomes that have real economic and environmental benefits, especially in countries who are concerned that trade and investment restrictions may cause loss of income, jobs and access to environmental materials and technologies. At the recently held World Trade Organization (WTO) Public Forum, this paper was shared with the WTO leadership and positive feedback was received, providing the opportunity to further engage.

It is encouraging to see some improvement in the South African economy and a more positive outlook, but the chemical sector continues to be constrained by a difficult operating environment, increased importation of feedstock together with poor service delivery and inadequate logistics being daily challenges.







Executive Director's Statement continued

One of the key pillars of CAIA's work is advocacy. Some of the areas addressed over the past year, as well as possible areas of focus for the forthcoming year are provided below.

As regards the business coalition with Government, CAIA actively participates in the three focus areas – energy, transport and logistics, crime and corruption – that are being managed through the B4SA initiative of Business Unity South Africa. Regular internal stakeholder meetings, as well as those with the President, ensure that issues affecting business are highlighted and mitigation mechanisms implemented jointly by Government and business. The increasing period that South Africans have not had to endure load shedding is a testament to the power of collaboration. The challenge now moves onto strengthening energy security while addressing deficiencies in the system that is resulting in a service that is becoming out of reach of many citizens. The promulgation of the Electricity Regulation Amendment Act No. 38 of 2024 will facilitate the necessary reforms in the electricity sector.

Although progress is slower in the other two focus areas, implementation of the Transnet Recovery Plan is starting to see actions to ease congestion at the ports and to facilitate a sustainable rail network. Regarding crime and corruption, priority has been given to increasing the capacity of the State to prosecute corruption and recover assets, and to enhance the State's response to greylisting by the Financial Action Task Force.

It is anticipated that next year will continue to be busy and engaging with key areas on the horizon requiring input by CAIA and its members.

With the promulgation of the Climate Change Act 22 of 2024, the country now has the legislative framework for the pathway to a low carbon economy. The Department of Forestry, Fisheries and the Environment (DFFE) is currently in the process of compiling regulations that will set out the requirements for the mandatory carbon budget and mitigation plans, which are expected to be issued for public comment later in 2024. Amendments are then expected on how incentives, subsidies and penalties are to be addressed in the Carbon Tax Act. As a signatory to the Paris Agreement, South Africa will be required to submit

their second Nationally Determined Contribution (NDC) in 2025 with a timeframe for implementation until 2035. Countries have been called on to revisit and strengthen targets and are expected to ratchet up ambition.

Under the guise of sustainability and green initiatives, the European Union (EU) has implemented the Carbon Border Adjustment Mechanism (CBAM) that will come into full force from 1 January 2026. The UK has already proposed a CBAM, and other countries are developing similar non-tariff restrictions. CAIA will continue to highlight issues of concern with **the dtic** and the WTO.

As regards sustainable chemicals management, the concerns and mitigation measures around the safety of chemicals and impact on the environment and health of citizens have been elevated through various forums. It is therefore more important that CAIA members reaffirm their commitment to Responsible Care® and incorporate it into daily operations.

The negotiations around the development of an international legally binding instrument on plastic pollution, including in the marine environment has raised chemicals of concern as a key focus area. Several Member States are proposing lists of chemicals used in plastics to be banned or restricted. The ICCA position is that the Global Framework on Chemicals (GFC) is the instrument that is more appropriate to meet the objectives of chemicals management and mitigation of environmental and health impacts. In anticipation of future engagement with the Government, CAIA has commissioned a legal review of all legislation on the statute book related to chemicals, with the objectives and mechanism of management summarised. This will facilitate identification of possible gaps in the legislation to meet the increasing obligations of South Africa within the international arena. CAIA has also engaged with Ambassadors and Government officials of the Southern African Development Community (SADC) countries regarding awareness raising and training on responsible chemicals management. In addition, discussions are ongoing with the ICCA about the participation of South Africa in the 30 x 30 initiative to increase capacity in 30 countries by 2030.

The challenges of the water sector and delivery of municipal services is well defined. It is encouraging that several initiatives have been implemented by Government and business to address

the issues. CAIA has participated in various stakeholder forums, including the Nedlac Water Committee and the Water Licensing Task Team, and will continue to participate and provide input to ensure water security. One key area that will require members continued input is around water tariffs. Following the approval of the Pricing Strategy that makes provision for a system of multi-year charges, the cost of water is expected to increase. This together with the need for a sustainable supply will require more consideration of water efficiency initiatives.

CAIA members have once again been called upon to provide input into the definition of waste which has been an issue that has been under dispute for several years. The Constitutional Court judgement necessitated the DFFE to implement another consultation process on the definition that will be incorporated into the Waste Act Amendment Bill. It is important that the final definition does not constrain the circular economy and drives initiatives to reduce and beneficiate waste streams.

International engagements are covered in detail in the report and will remain a focus area of participation for the next 18 months to ensure that the voice of the South African and African industry is articulated.

CAIA looks forward in the forthcoming year to expand services to its already array of offerings.

We thank our members for their support and trust in CAIA to represent their interests and concerns. The coming year is expected to be as full and challenging as the last 12 months and we look forward to being of continued service to you.





Acronyms







Responsible Care® Overview

Introduction

Launched in South Africa in 1994, Responsible Care® is the global chemical industry's leading performance improvement initiative for SHE and security. Responsible Care® requirements cater for all players along the chemicals value chain. The initiative was first launched in 1985 by the Chemistry Industry Association of Canada (CIAC), then known as the Canadian Chemical Producers' Association (CCPA). Today, Responsible Care® is practised in nearly 70 economies. This chapter provides an overview of how Responsible Care® is being implemented in South Africa.









Responsible Care® Overview continued

Requirements

Responsible Care® requires companies to conduct third-party audits to confirm the successful implementation of its requirements. Full members are audited against the following ten Codes of Management Practice (CMP) that form the Responsible Care® Management System (RCMS). Associate members are audited against SQAS-AFRICA.

Members



Commitment to Responsible Care®

The Management
Commitment Code assists in
building commitment to, and
accountability for, Responsible
Care® practices at every
level of business, from the
executive to the workforce.



Process Safety

The Process Safety Code fosters a strong process safety leadership and culture in organisations, complemented by knowledge-sharing platforms and training programmes hosted by CAIA.



Product Stewardship

The Product Stewardship Code promotes the development by organisations of close sustained dialogues and working relationships with suppliers, customers, and all other relevant stakeholders along the value chain. The Code outlines a framework demonstrating that product stewardship is a shared responsibility.



Resource Efficiency

The Resource Efficiency Code fosters the implementation of efficient resource management plans to contribute towards sustainability in the industry by minimising resource use and optimising production.

Companies can reduce waste and use raw materials, including water, more efficiently.



Emergency Response

The Emergency Response
Code stimulates development
of communication channels
with relevant stakeholders
to develop and maintain
emergency response plans. Some
large facilities may also assist
emergency responders or provide
emergency response equipment.



Occupational Health and Safety

The Occupational Health and Safety Code advances the development and maintenance of comprehensive, ongoing safety and occupational health programmes to protect employees and contractors along the chemicals value chain.



Pollution Prevention

The Pollution Prevention Code advocates for the implementation of efficient pollution prevention measures to contribute to sustainability in the industry. Companies proactively protect communities and the environment by monitoring, improving and publicly reporting performance in areas such as air emissions, effluent discharge and greenhouse gas emissions.



Security

The Security Code contributes to improving security measures to protect people, products, processes, property, information, and information systems against any criminal, malicious, and terrorist acts and cyber-attacks. Companies identify and address vulnerabilities, as well as enhance training and their engagement with relevant stakeholders.



Stakeholder Engagement

The Stakeholder Engagement Code supports the maintenance of active channels of communication with employees, the public and other relevant stakeholders to ensure effective consultation processes. Companies engage communities in areas where they operate to build healthy and sustainable relationships to become good neighbours.



Storage and Transportation

The Storage and Transportation Code nurtures companies in developing policies and procedures to minimise the probability and severity of storage- and transportationrelated incidents. Members







Responsible Care® Overview continued



Developing Responsible Care® practices in place

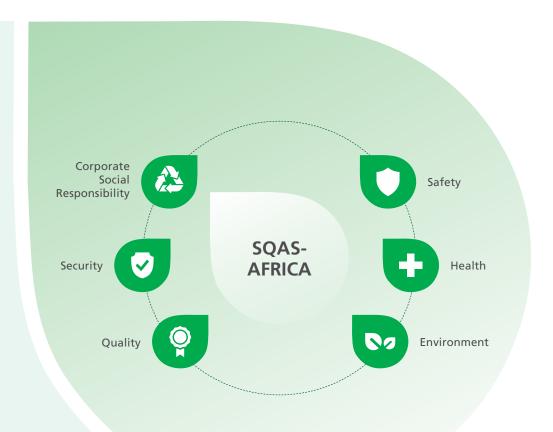
1.5 − 1.8 Considerable Responsible Care® practices in place

1.8 − 2.0 Significant Responsible Care® practices in place

Safe chemicals management does not end when a chemical product leaves the manufacturing facility. CAIA has extended the Responsible Care® ethic throughout the chemicals value chain by implementing the SQAS-AFRICA Management System. Nearly 450 Logistics Service Providers (LSPs) are SQAS-AFRICA certified.

The SQAS-AFRICA management system utilises uniform third-party audits to evaluate the SHE, security, quality and Corporate Social Responsibility (CSR) performance of LSPs.

System requirements are in the form of questionnaires. The Core Questionnaire contains the common aspects of SHE, quality, security and CSR management systems of any LSP. Specific questionnaires (e.g., Transport Service Questionnaire) contain aspects related to the specific type of LSP. The categories of LSPs covered by the system are Transport Service, Tank Cleaning, Spill Response and Warehousing.



Who We Are and What We Do

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Advancing the Responsible Care® Initiative

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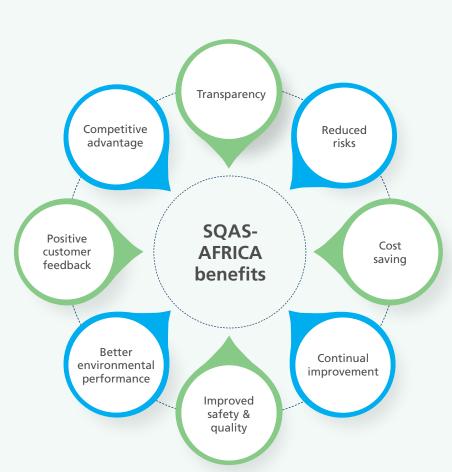
Members

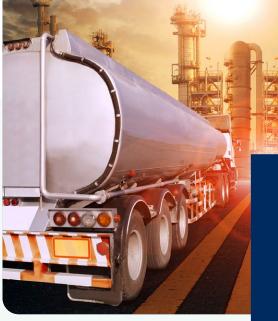






Responsible Care® Overview continued





SQAS-AFRICA questionnaires cover:

Management systems (policies, procedures, etc.).

Training, communication and instructions to the involved personnel (e.g., drivers).

Ensuring that procedures are known and implemented.

Verification of the implementation in practice (through a site inspection, interviews with operators/drivers, etc.).

After completion of a third-party audit, companies practising SQAS-AFRICA are certified when they obtain an overall average score of 90% or above and 100% on mandatory questions in each SQAS-AFRICA questionnaire audited.

CAIA has allowed LSPs that are non-CAIA members and therefore not Responsible Care® signatories to access the system under the SQAS-AFRICA User Group membership. This allows the benefits of SQAS-AFRICA to be realised by more LSPs, since only 4 out of 55 countries in Africa are currently practising Responsible Care®. CAIA encourages such companies to join CAIA as associate members and become signatories to the Responsible Care® ethic, to realise full benefits.





SQAS-AFRICA User group members SQAS-AFRICA users







Responsible Care® Overview continued

The ICCA Self-Assessment Tool

Full and associate members of CAIA will be required to implement the ICCA Self-Assessment Tool (SAT).

Self-assessment enables companies to understand their maturity levels of Responsible Care® implementation. This allows the development of plans to guide them in implementing continual improvement. The ICCA SAT's objective is to assist Responsible Care® signatories to:



Frame their commitment.

Learn which actions to take to improve performance, with tailormade recommendations.

The setting up and testing of the system has been completed, with assistance from the ICCA. CAIA will schedule training for members in November 2024. Although the ICCA submission deadline is 31 December 2025, CAIA will have its own submission deadline, which will be communicated to members in due course.

The assessment is a simple multiple-choice questionnaire structured along the six elements of the Responsible Care® Global Charter. For each question. companies choose one of six responses that represent the maturity that they are currently at. The self-assessment supports companies to improve over time and enables multinational companies to undertake corporate assessments when the management approaches are harmonised between sites. The ICCA SAT was developed based on the established European Chemical Industry Council (Cefic) version of the tool and is not a "compliance" tool. The tool has the following maturity levels:



Members



Commit to Responsible Care®

The organisation commits to Responsible Care® and starts acknowledging the implementation steps.





Initiate and Plan

The organisation has started implementing Responsible Care® throughout its business. Plans are made and implemented to improve processes.





Improve Continually

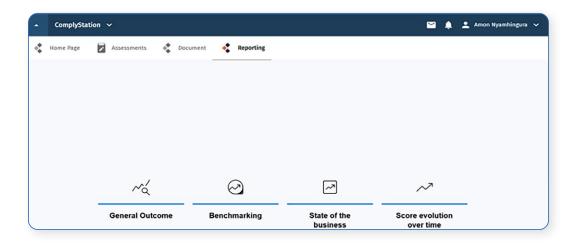
The organisation has reached a level of implementation where the plans and actions are not only done, but also assessed to drive continual improvement. A full management system approach is in place.





Promote and Sustain Excellence

The organisation has achieved an improved performance and effectiveness. It is achieving success by either reviewing effectiveness of processes or sharing best practices with peers, partners, and other stakeholders to foster resource building in the business and accelerate change.





Who We Are and What We Do

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Responsible Care® Overview continued

Third-Party Audit Management

CAIA acquired software from ViaSyst in Switzerland, to manage RCMS and SQAS-AFRICA Management System thirdparty audits. ViaSyst Audit Management Software simplifies the entire auditing process, from planning and scheduling, to performing the audit. CAIA launched this electronic platform on 15 February 2023, which replaced the previous paperbased system. The following diagram illustrates how thirdparty audits are managed by CAIA.

Certified Auditor

Auditor trained and certified by CAIA.

Audit Management Software

CAIA utilises the ViaSyst Audit Management Software.

Database (www.caia.co.za)

Database of companies that are RCMS/SQAS-AFRICA compliant.

Auditee

Audit reports can be viewed on the ViaSyst platform.

The list of RCMS/SQAS-AFRICA compliant companies can be viewed on the CAIA website.

The ViaSyst platform is also linked to an Offline App (currently on Android devices only). The App allows auditors to use their smartphones or tablets offline, to capture information. Pictures can also be taken and attached as evidence.

Governance

Acronyms





Responsible Care® Overview continued

Thirty Years – The Milestones

CAIA became the custodian of Responsible Care® in 1994, 30 years ago. The Association and its members have reached milestones that are far beyond what many expected. CAIA recognises the effort put in daily by its members that continually makes a difference in the implementation of Responsible Care®. Let's keep up the great work! The following milestones connect the steps taken by CAIA and its members from 1994 to date, to mark the 30-year anniversary of Responsible Care® in South Africa.

"Remember to celebrate milestones as you prepare for the road ahead."

Nelson Mandela

1985 The global Responsible Care® Initiative is launched by the CIAC.

1994

- CAIA becomes the custodian of Responsible Care® in South Africa.
- Responsible Care® workshops commence in South Africa.

1996

- Responsible Care® logo is registered internationally and implemented in South Africa.
- Responsible Care[®] introduces the Voluntary Advisory Forum (VAF).

2003

Members

- The first Responsible Care® Performance Report launched.
- Improved Quantitative Indicators of Performance (OIPs) are introduced – now known as Key Performance Indicators (KPIs).
- Site visits introduced.

2004

- South African Safety and Quality Assessment System (SA SOAS) is introduced – now known as SQAS-AFRICA.
- CAIA introduces the Responsible Care® Award for performance and excellence.
- Third-party verification pilot to test audit protocols adds weight to Responsible Care®.
- CAIA introduces mandatory third-party verification audits.
- Management Practice Standards (MPS) now known as CMP and audit protocols implemented.

2005

ICCA Responsible

Charter (RCGC).

Care® Global

2006

for the first time.

Third-party audits of

large companies due

2007

- Third-party audits of small and medium companies due for the first time.
- Clean Development Mechanism reduces greenhouse gas emissions member registered projects.
- Internal/external surveys of Responsible Care® awareness conducted and made public.

2008

- Annual KPI-reporting signatories reach 70.
- Responsible Care® introduces Public Commitments – now known as Declarations.
- CAIA launches Responsible Care® Gauteng Process Safety Forum (PSF).
- Chemical Handling and Environmental Forum (CHEF) – now known as the Chemical Logistics Management Forum (CLMF) established.

2009

- Responsible Care® adds a tagline to its logo.
- Responsible Care® adds a mascot to the brand in South Africa.
- CAIA signs an MoU with the Railway Safety Regulator (RSR) in November 2009.

2010

- Responsible Care® in South Africa receives the Green Supply Chain Award.
- Responsible Care® launches a Carbon Footprint Guideline Document.
- New CAIA Corporate Identity includes Responsible Care®.
- CAIA launches Responsible Care® PSF in KwaZulu-Natal.



Who We Are and What We Do

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Responsible Care® Overview continued

2011

- CAIA launches Responsible Care® Haulier Award – now known as the Responsible Care® LSP Award.
- Global Product Strategy (GPS) and new product stewardship documents implemented.
- OIP data submission goes online.
- Chemical-specific documents made available to the public following a VAF recommendation.

2012

- New risk-based process safety training courses introduced
- Science teachers learn about Responsible Care®.

2013

- The Chemical Sector Occupational Health and Safety Accord is signed.
- New Process Safety MPS now known as the Process Safety CMP and AGD. unveiled.

2014

- Responsible Care® moves into Africa.
- SADC delegates attend Responsible Care® workshops in Johannesburg.

2015

- Mandatory third-party auditing of the Responsible Care® Process Safety MPS – now known as the Process Safety CMP implemented, with effect from 1 January 2015.
- CAIA launches the Responsible Care® Initiative of the Year Award.

2020

• The CMP is published.

- The Security CMP is published for the first time in South Africa.
- Third-party audits are postponed due to COVID-19.
- CAIA signs the Declaration of Support for the ICCA Responsible Care® Global Charter on 27 February 2020, to actively participate in strengthening Responsible Care® worldwide.

2019

- Responsible Care® auditors trained.
- Responsible Care® in Action Programme launched in Sandton, South Africa.
- CAIA celebrates 25th Anniversary of Responsible Care® in South Africa.
- CMP and AGDs revised and aligned to the RCGC.
- The Security Code of Management Practice is compiled to be used for the first time in South Africa after approval by the RCSC.
- Cefic-based SQAS-AFRICA guestionnaires were approved and distributed for voluntary implementation until June 2020.

2018

Responsible Care® in Action Programme training material developed under the recommendation of the Responsible Care® Standing Committee (RCSC).

2017

- · CAIA collaborates with Cefic and becomes the custodian of SOAS-AFRICA, from 1 July 2017.
- · CAIA becomes the home of SOAS-AFRICA auditors and trains the first batch of SQAS-AFRICA auditors using Cefic trainers.
- Review of the RCMS documents commence, effecting changes to the management system.
- CAIA launches the Responsible Care® Sustained High Performance Award.

2016

The Washbay and Warehouse Audit Protocols finalised. Pilot audits undertaken at volunteering CAIA member companies.

2021

- The Cefic-based SQAS-AFRICA questionnaires became mandatory as from 1 July 2021.
- The SQAS-AFRICA User Group is officially named, which consists of companies that implement SQAS-AFRICA but are not CAIA members.

2022

- CAIA lifts the postponement of third-party audits as from 1 January 2022.
- The development of the ViaSyst Audit Management System used to manage thirdparty audits commences.

2023

The ViaSyst Audit Management Platform is launched. 2024

- An improved KPI data submission platform is developed and launched for use by members.
- Non-exclusive RCMS and SQAS-AFRICA auditors sign an Auditor Agreement with CAIA. CAIA allocates audits to auditors.
- Implementation of the ICCA Self-Assessment commences.
- CAIA becomes the first ICCA RCLG member to implement the tool.



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Responsible Care® Overview continued

Eight Fundamental Features

The ICCA Responsible Care® Leadership Group (RCLG) has developed a set of implementation milestones for national associations to track progress. Based on the Eight Fundamental Features of Responsible Care®, these implementation milestones are intended to guide national associations as they work to develop and grow Responsible Care® in their countries/regions. Through its 30-year Responsible Care® journey, CAIA has accomplished all the implementation milestones.

Guiding Principles

CAIA developed and published the Responsible Care® Declaration.

Members commit to the Responsible Care® Guiding Principles by signing the Responsible Care® Declaration every three years.

Name, Logo

CAIA adopted and registered the Responsible Care® name and logo. User quidelines were developed and published.

The Responsible Care® name and logo are routinely used by CAIA and its members who observe the established user guidelines. CAIA monitors the use of the logo and only members of CAIA are permitted to use the Responsible Care® name and logo.

Codes

CAIA developed and published 10 CMP for use by full members and SQAS-AFRICA for associate members.

The 10 CMP are:

- Management Commitment
- Process Safety.
- Product Stewardship.
- Resource Efficiency.
- Stakeholder Engagement.

Occupational Health

Pollution Prevention

and Safety.

Security.

- Emergency Response. Storage and Transportation.

Indicators

CAIA developed and published KPIs as well as an online KPI data submission platform.

Members submit data annually on the online KPI platform.

Communications

CAIA has established a network of platforms to engage with members, the public and Government.

- Relevant stakeholders can provide input to processes at CAIA.
- Media contact is maintained.
- Responsible Care® communications are part of CAIA's strategy.
- Feedback on Responsible Care® awareness and the Sustainable Development Goals (SDGs) is obtained through meetings and surveys.

Sharing

CAIA developed forums and committees where members and relevant stakeholders can share views and exchange knowledge and experience. CAIA has the following in place:

- Responsible Care[®] Standing Committee.
- Advocacy Committee.
- Process Safety Forum.
- · Safety, Health and Environment Forum.
- Chemical Logistics Management Forum.
- Weekly, monthly and quarterly communiqués.
- Undertakings to participate in regional and international platforms.

Encouragement

CAIA encourages members to commit and participate in Responsible Care®.

- KPIs are monitored for both high and low performers.
- Mechanisms are in place to recognise high performers (awards) and assist less advanced companies.
- Processes for dealing with persistent poor-performers are in place.

Verification

CAIA developed systems to verify implementation of the measurable (or practical) elements of Responsible Care®.

- CAIA has developed a third-party audit management system where non-exclusive auditors under CAIA are allocated to verify implementation of Responsible Care® at members' sites.
- Full members are audited against the CMP while associate members are audited against SQAS-AFRICA.
- Number of audits undertaken during the reporting period:

RCMS

SOAS-AFRICA audits audits: **18** (CAIA members only): **34** **Key Pillars**

Response by CAIA and its Members







Responsible Care® Overview continued

Commitment to Sustainability

Sustainability has become a guiding principle for the chemical industry, making it possible to harmonise economic growth with environmental responsibility.

Through Responsible Care®, CAIA and its members have committed to transparency and environmental responsibility by monitoring their performance through the collection of data on metrics including emissions, water and electricity usage, waste disposed, as well as waste recycled.

Key Pillars of Sustainability



Eco-friendly Manufacturing Processes (to reduce waste. emissions, and overall ecological footprint).

Sustainable production methods.

Green chemistry e.g., substituting hazardous substances with less hazardous ones

The integration of renewable energy sources e.g., solar and wind power.



Sourcing Responsibly.

Using traceable raw materials.

Assessing the environmental footprint of raw material extraction and transportation.

Social responsibility (supporting local communities where raw materials are sourced and actively contributing to their well-being).



Circular Economy Practices (that lead to a reduction in greenhouse gas emissions, waste generation, and overall environmental impact).

Recovering, refurbishing and/or reintegrating materials into the production cycle after use.

Resource efficiency by minimising waste and reducing the consumption of virgin resources.

Benefits of Sustainability



Improved reputation and brand value

A positive public perception can significantly impact a company's market position and customer loyalty.



Cost Reduction and **Enhancing Operational** Efficiency

Sustainability makes economic sense. Sustainable practices can lead to cost savings through reduced resource consumption, increased operational efficiency, and waste reduction.



Regulatory Compliance

Adhering to environmental regulations is not only a moral obligation, but also a legal requirement.



Attracting Investors

Investors are increasingly focused on sustainability.



Addressing Workforce Shortages

Companies focus on social sustainability to reinvent roles and reshape the workforce through continual adaptation to technological advancements, comprehensive training and staff development programmes, and effective knowledge transfer.



Fosterina Innovation

Sustainability challenges often encourage innovation, driving companies to think creatively and improve their production processes.



Ensurina Long-term Viability

The integration of sustainability into existing processes ensures longterm economic sustainability.











Responsible Care® Overview continued



Benefits

Effectively Implementing Responsible Care®:

- Improves operational efficiency and overall economic performance.
- Helps to reduce emissions and process safety incidents and other potentially devastating events.
- Helps to improve safety of employees and communities.
- Strengthens credibility, liability protection and Government recognition.
- Helps to ensure that customers and consumers handle chemical products safely.
- Protects licence to operate and allows industry to continue to provide products to address societal challenges and improve people's lives.
- Assists in responding to stakeholder expectations.







Responsible Care® Overview continued

Business Case

The choice that has been taken by CAIA members to implement Responsible Care® is a good one. The following qualitative and quantitative benefits provide a clear rationale for choosing to implement Responsible Care®.

Qualitative

Investors perceive a **lower risk** when making buying/selling decisions.

Company reputation is **protected**.

Value of corporate image and brand are **improved**.

Enhances lender confidence/ access to **lower interest rates**.

Provides **credibility** with regulators.

Enables attracting and retaining **quality staff**.



Quantitative

Lives saved – cost of death and injury is spared.

Property damage costs reduced.

Business interruption costs saved.

Market share stake preserved.

Incident investigation costs saved.

Regulatory penalties avoided.

Regulatory attention is reduced, and increased audits and











Background

CAIA launched the new online KPI questionnaire this year and would like to thank all members for their encouraging response to the new system. This system was introduced after taking heed of comments and input from Responsible Care® signatories regarding challenges with uploading information and working with the guestionnaire.

With the advances in data management and the objective of offering a system that is more user friendly, CAIA embarked on a new approach to uploading information and calculations required for some data submitted. The KPI system is now database driven with inbuilt calculations and verification to mitigate inaccuracies of input and output data, as well as repeat submissions.

Four years of data is once again published in this report and will be used to assess progress and performance trends, and to determine the recipients of the awards. Going forward to next year, CAIA looks forward to signatories providing a complete set of information relevant to their operations and demonstrating sustainable improvement. This will ensure that all Responsible Care® signatories can meet the criteria that are considered for the awards.

As CAIA and its members continue with the journey of implementing Responsible Care®, we encourage further input on improvement to the system and how we can ensure a more positive experience.





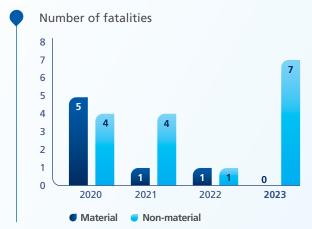




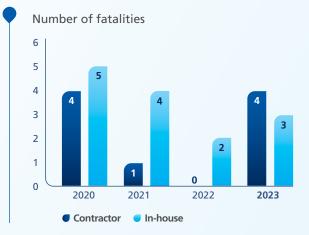
Safety and Health Indicators



Fatalities

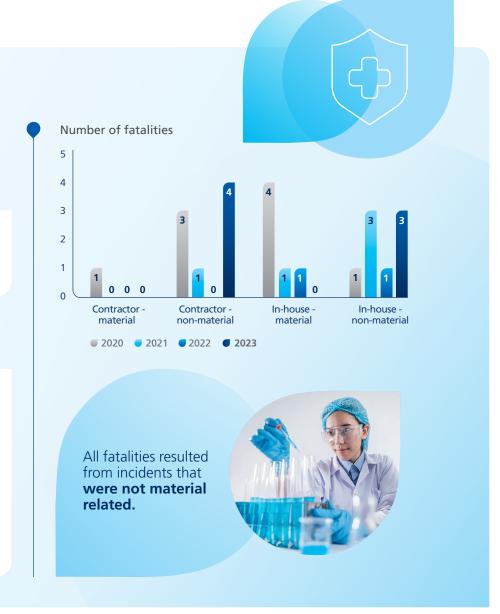


The reported **number of fatalities** increased to seven.



Following zero fatalities reported in 2022, four contractor fatalities occurred.

An increase in the number of **in-house fatalities** was also reported.

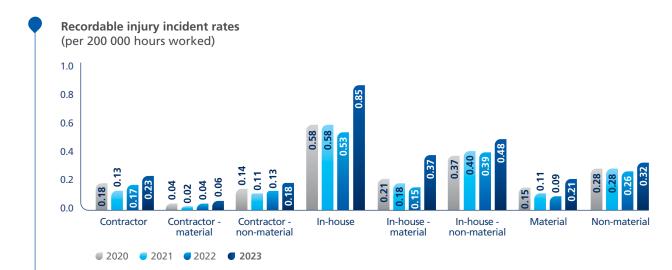








Recordable Injuries





Material related incidents reported increased by

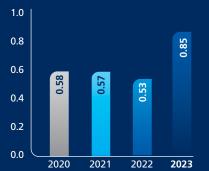
while non-material related 24%

136%

In-house and contractor incident rates have increased by

35% and 60% respectively.







There was **one in-house** recordable injury for every hours worked.









Occupational Diseases

Occupational disease rate (per 200 000 hours worked)



There was no change in the in-house occupational disease rate.

Incidents were reported for contractors in **2023** compared to 2022 where no incidents were reported.



Handling and Storage

Members

Handling and storage incident rate (per 200 000 hours worked)



In-house incidents have decreased by

and contractors by **82%**

The **in-house incident rate** is equivalent to one incident per

hours worked.



In-house Road Transportation

In-house road transportation incident rate (per 1 000 000 kilometres travelled) 3.0 2.5 2.0 1.5 1.0 0.5 0.0 Incident rate as a result Total incident rate of the release of material **2023 2020 2021 2022**

The rate of road incidents as a function of the distance travelled has increased by

30%

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Annual Performance Metrics and Results continued



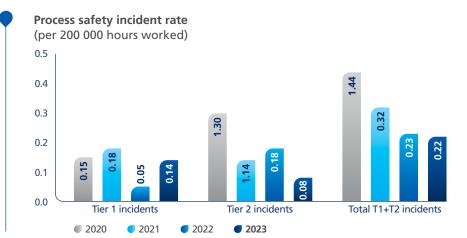




30%

decrease in signatories reporting behaviour-based safety programmes for drivers and contractors in place.

Process Safety



The tier 1 process safety incident rate increased by

181%

The tier 2 process safety incident rate decreased by

55%



Process Safety Near Misses







Members implementing



Annual Performance Metrics and Results continued

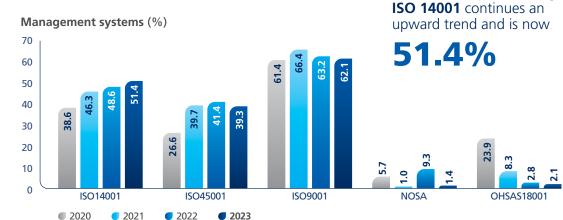
Responsible Care® Training



A slight increase is noted for the percentage of signatories that have formal documented Responsible Care® training in place.

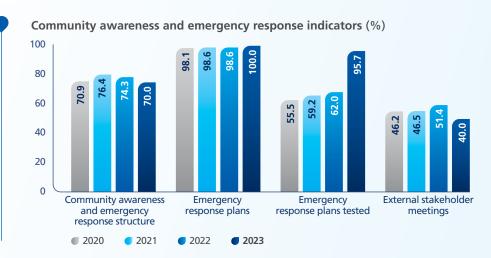


Management Systems





Community Awareness and Emergency Response



100% of signatories have emergency response plans in place of which are regularly tested with **external** stakeholders.

Signatories that have a community awareness and emergency structure in place has declined to

with a

reduction in meetings held with external stakeholders.







External Stakeholder Complaints



Signatories that have external complaints procedures in place for environment, health and safety have decreased to about 70%







External complaints related to safety increased again by

4.9% to **8.9%** of the total complaints received.



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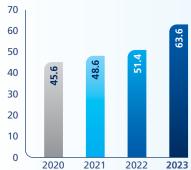
Chemical & Alled Industries' Association

Annual Performance Metrics and Results continued



Desktop Simulation Exercises

Percentage of signatories undertaking desktop simulation exercises (%) 70



A continual upward trend in **signatories** undertaking desktop simulation exercises increase of

12.2%





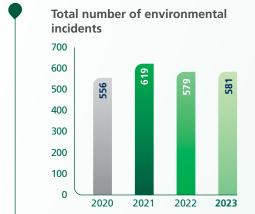




Environmental Indicators



Environmental Incidents



The number of environmental incidents remain at about

580





2023

89.7

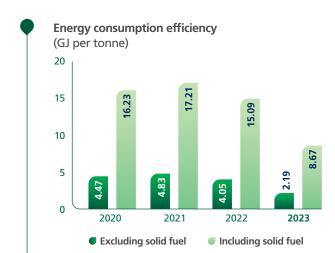








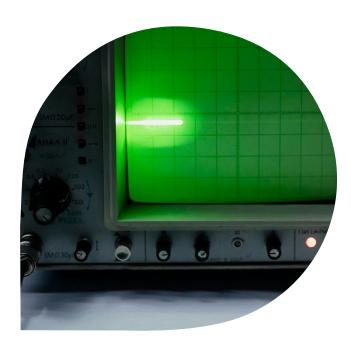
Energy Consumption

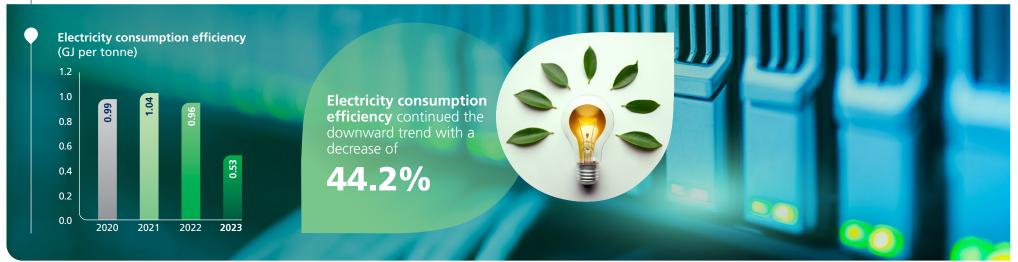


Energy consumption per tonne of traded product has decreased by about

40%

whether or not solid fuel is included.





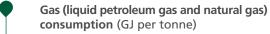


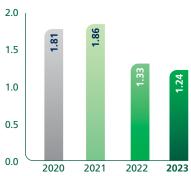






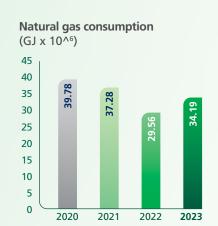
Gas Consumption

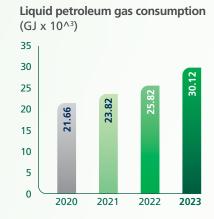




The trend in improved energy efficiency continues with a

6.5% decrease in consumption of gas per tonne of traded product.

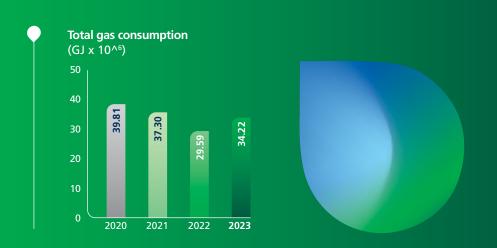




Gas consumption, both natural gas and liquid petroleum gas, increased by about

16%



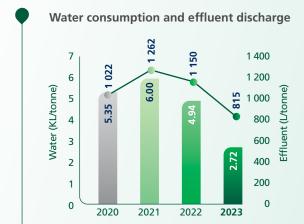








Water Consumption and Effluent Discharge



For each tonne of traded product, water consumption decreased by

44.8%

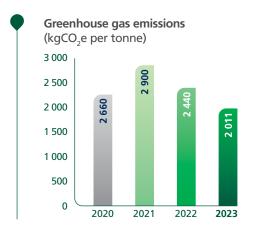
and effluent discharge by

29.0%





Greenhouse Gas Emissions

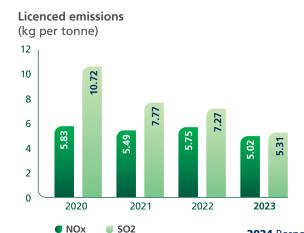


Greenhouse gas emissions per tonne of traded product decreased

17.5%



Licenced Emissions



For each tonne of traded product, **nitrogen oxides** emissions decreased by

12.6%

and **sulphur dioxide emissions** decreased by

27.0%





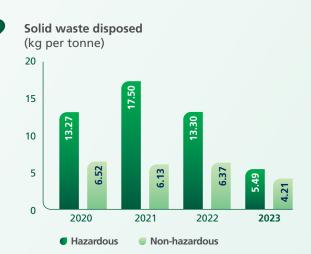


Solid Waste



Solid waste generated for each tonne of traded product decreased by about

44%



Solid waste per tonne of traded product that was disposed decreased by

58% for hazardous waste and

33.9% for non-hazardous waste.

26.5%
more hazardous
waste was progressed
up the waste hierarchy,
but non-hazardous
waste decreased by

25.6%



The number of signatories that have waste minimisation plans in place has decreased to

86.4%

Governance









Sharing Knowledge and Experience – Responsible Care® Platforms

The ICCA expects associations to create platforms to share knowledge and experience, based on the eight Fundamental Features of Responsible Care®.

CAIA has created committees and forums that enable CAIA members to:



Exchange ideas and insights with industry leaders and peers.



Learn from real-world **best practices** in the chemical and related industries.



Foster sustainable and innovative practices.



The Process Safety Forum, Chemical Logistics Management Forum and Safety, Health, and Environment Forum are comprised of representatives from CAIA, its members, relevant tertiary institutions, Government departments and other stakeholders. For each platform, four meetings were held between October 2023 and September 2024. Information such as developments in legislation and standards, learnings from incidents as well as best practice, was shared.



Members





Sharing Knowledge and Experience – Responsible Care® Platforms continued

Responsible Care® Standing Committee

CHAIRPERSON

Kruben PillaySasol South Africa Limited

VICE CHAIRPERSON

Zukiswa MakungaBASF Holdings South Africa (Pty) Ltd

- Takes accountability for ensuring that the CAIA strategy, requirements and implementation of Responsible Care® are performed by full and associate members.
- Informs CAIA on the expectations of its members and offers advice on emerging issues to incorporate into the strategy.
- The following documents were approved by the committee for publication by CAIA:
 - o Behaviour-based Safety Code.
 - o Chemical Handling and Storage Guidelines.
 - o Guidelines for a Sound Standard Operating Procedure.
 - o Road Transport Safety Guidelines.

Process Safety Forum

CHAIRPERSON

Neil Franklin AECI Limited

VICE CHAIRPERSON

Bonisiwe Maleke

ImproChem (Pty) Ltd t/a AECI Water

• Discusses process safety challenges and ways to prevent process safety incidents through a risk-based process safety management system.

Chemical Logistics Management Forum

CHAIRPERSON

Ditebogo Malatsi Omnia Group (Pty) Ltd

VICE CHAIRPERSON

Willem Janse van Rensburg
Sasol South Africa Limited

- Information shared includes:
- The promotion and development of safety cultures for activities related to logistics management of chemicals.
- Learnings from incidents and best practice.
- o Challenges and concerns in the logistics management of chemicals.
- o Policies and legislation related to the logistics management of chemicals.

Safety, Health, and Environment Forum

CHAIRPERSON

Kershnee Naidoo

EnviroServ Waste Management (Pty) Ltd

VICE CHAIRPERSON

Shivashkar Suthan

BME, a Division of Omnia Group (Pty) Ltd

- Discussion on SHE topics includes but is not limited to:
 - The environment.
 - Occupational health.
 - Occupational hygiene.
 - Occupational safety.
 - Awareness and promotional programmes.







Sharing Knowledge and Experience – Responsible Care® Platforms continued

Events



MHI Workshop
CAIA hosted an online Major Hazard Installation Workshop
(MHI) on 15 February 2024. The event was organised to provide clarification to CAIA members on the requirements of the MHI Regulations. The Regulations came into force on 4 February 2023. All threshold levels and Qualitative Risk Assessments (QRAs) were required immediately after promulgation of the Regulations. Three classes of hazards are set out in the Regulations, namely low, medium, and high.





in the marine environment.

plastic-pollution

www.unep.org/inc-







Sharing Knowledge and Experience – Responsible Care® Platforms continued



International Engagement Highlights

Several important international meetings took place over the last 12 months and CAIA has been able to attend many strategic engagements and made input where in-person participation was not possible. This enables CAIA to proactively identify key strategic areas where collaboration and input is essential, and to raise awareness of global developments to members.



UN observer status of CAIA has enabled attendance at all the Intergovernmental Negotiating Committee (INC) meetings, including the final INC5 that will be held in November 2024. CAIA, together with Plastics|SA, has been engaging with the DFFE to present the industry position on the draft text.

Key areas of contention include financial mechanisms for implementing the instrument and whether chemicals of concern in plastic products should be included. Intersessional work has been conducted on the technical aspects of these issues to inform the negotiations to finalise the instrument.

The ICCA position is that there are to be no chemicals in the agreement, given that this is a plastic pollution agreement and not a chemical agreement. Chemicals of concern are better addressed within existing instruments, such as the GFC, and that plastic pollution can be mitigated by increasing levels of recycling that is facilitated by appropriate design.





Sharing Knowledge and Experience – Responsible Care® Platforms continued

The Global Framework on Chemicals was formally established at the fifth International Conference on Chemicals Management (ICCM5) in Bonn, Germany, held from 25 to 29 September 2023. The aim of the Framework is to prevent or, where prevention is not feasible, minimise harm from chemicals and waste to protect the environment and human health, including that of vulnerable groups and workers.



www.chemicalsframework.org



CAIA actively participated in the ICCM5 negotiation process and engaged with the DFFE prior and during the negotiations. Governments committed to creating, by 2030, the regulatory environment to reduce chemical pollution and implement policies to promote safer alternatives. Industry has also committed to managing chemicals in a way that reduces chemical pollution and adverse impacts. CAIA continues to be actively involved in guiding the implementation of the GFC through discussion, globally and nationally.

The focus is now on developing mechanisms to support implementation as well as a measurability framework. The GFC Fund currently has received contributions to support country-driven projects to help developing countries meet their objectives. The ICCA has created three working groups, Measurability, Transparency and Sustainability Ambition, which will ensure the chemical industry's coordinated input into the intersessional work

Additionally, the ICCA has provided €1 million to the GFC Fund and also has a seat at the board.

As a further demonstration of commitment to the GFC, the ICCA is developing an action plan to support implementation through the objective of assisting 30 countries by 2030. CAIA is engaging with the ICCA to identify opportunities for capacity development within South Africa, and the region.



A draft renewed strategic framework to improve implementation of the Convention was considered at the meeting. Key issues in this framework included:

- improving the Prior Informed Consent (PIC) process through adopting electronic methods of notification:
- ensuring environmentally sound management of waste, especially of newly emerging waste streams such as those containing nanomaterials; and
- progressing partnerships under the Convention, including those focused on challenges in dealing with plastic waste, e-waste and household waste.

Side events included a presentation on the new EU rules for the transboundary shipment of waste and plastic waste activities under the Basel Convention; Plastic Waste Trade: A New Colonist means of Pollution Transfer and Pharmaceutical Waste: Practices and Challenges in ensuring their Environmentally Sound Management.

Resource/educational materials were launched under the theme "Plastic is Forever".

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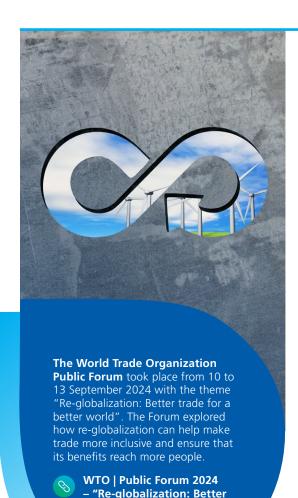
Acronyms







Sharing Knowledge and Experience – Responsible Care® Platforms continued



Trade for a Better World"

CAIA was part of the ICCA business delegation that had the opportunity to engage with the WTO leadership, including the Director-General Okonjo-Iweala, and various Deputy-Director Generals where the ICCA postion paper on plastics/chemicals and trade, was socialised. Positive feedback was received which paves the way for further discussions.

A further theme explored was on how the WTO can work with other multilateral organisations on solutions that support governments overall national agendas of increasing trade and investment while delivering environmental solutions.

Meetings were also held with various African and other developing countries which included a meeting with Deputy Minister Zuko Godlimpi of **the dtic**.

The sub-themes of the Forum: Green policies to maximise the benefits of trade; Services trade to build progress and enhance welfare; and Digitalisation as a catalyst for inclusive trade, align with the priorities of South Africa and the African continent.

There were a number of sessions which embraced the circular economy, the greening aspect of trade, digital trade with a focus on developing countries, as well as trade and the climate agenda. The 13th Ministerial Conference of the World Trade Organization was held in Abu Dhabi from 26 February to 2 March 2024. Ministers from across the world attended to review the functioning of the multilateral trading system and to take action on the future work of the WTO.



WTO | Thirteenth WTO Ministerial Conference

CAIA was part of the ICCA and South African business delegations that attended the conference. There was disappointment that several critical issues related to the policy space for industrialisation for developing countries, namely agriculture, fisheries subsidies and dispute resolution reform, were not resolved, that would have contributed to the development goals of African countries. The conference provided an opportunity for South Africa to raise various items which included the concerns of the introduction of the EU CBAM, which will have significant impact on the chemical sector and the economy. CAIA is closely following the developments and discussions raised at the WTO around trading in plastics goods and waste and alignment with the dialogue to conclude a new internationally legally binding instrument to tackle plastic pollution.

South Africa has consistently opposed plurilateral agreements, which excludes the country from critical engagements on current and emerging matters.







Sharing Knowledge and Experience – Responsible Care® Platforms continued

The twentieth meeting of the Chemical Review Committee of the **Rotterdam Convention** was held from 17 to 20 September 2024.



CRC.20 - Overview (pic.int)

The Chemical Review Committee reviews chemical and pesticide formulations according to criteria set out in Annexes II and IV of the Rotterdam Convention and makes recommendations to the Conference of the Parties for listing chemicals in Annex III.

The committee considered draft decision guidance documents for chlorpyrifos and mercury and recommended them for listing. It was further agreed that notifications on chlorpyrofos-methyl and paraguat meet the criteria to be listed. A review was made of 35 notifications of final regulatory actions and four proposals for listing Severely Hazardous Pesticides Formulations (SHPF). It was agreed, given the difficulties and uncertainties in reviewing the SHPF proposals, that intersessional work be undertaken to rethink the information gathered from countries and to compile a document detailing the experiences encountered with these proposals.



African Growth and Opportunity Act (AGOA) Private Sector Forum meeting was held on 24 July 2024 under the AGOA Ministerial Forum. The theme of the AGOA Ministerial Forum was "Beyond 2025: Reimagining AGOA for an inclusive, sustainable and prosperous tomorrow".



AGOA Forum - Agoa. info - African Growth and Opportunity Act

CAIA attended the meeting virtually. The Forum welcomed the high-level participation from both the United States (US) Government and the African Union (AU), with in person welcoming remarks from Secretary of State Blinken, US Trade Representative Ambassador Tai, AU Commissioner Muchanga, South African Minister of Trade, Industry and Competition Tau and Deputy Secretary of Commerce Graves.

Private sector representatives agreed that renewing AGOA is an important way to support the development of the AfCTFA. The private sector also welcomed Commissioner Muchanga's charge to offer specific recommendations for African governments to facilitate more US trade with, and investment in, African nations.

The most important recommendation is for Congress to renew AGOA as soon as possible, certainly in 2024, and for as long as possible, such as 16 or 20 years. Other recommendations included the development of reciprocal partnerships to develop sectors such as critical minerals and information technology and the facilitation of stronger trade and investment ties, including greater access to trade financing and equity investment.





Sharing Knowledge and Experience – Responsible Care® Platforms continued



International Collaboration



10 to 12 April 2024

VENUE

Protea Hotel Fire and Ice, Menlyn, Pretoria.

ORGANISER

Organisation for the Prohibition of Chemical Weapons (OPCW).



Regional Workshop on Best Practices in the Development of Legislative and Regulatory Framework on Chemical Security for African Countries CAIA was invited to attend the Regional Workshop on Best Practices in the Development of Legislative and Regulatory Framework on Chemical Security for African Countries. As the production of chemicals increases, together with better technology, there is need to adopt appropriate chemical security measures or enhance existing legislation to prevent the unlawful release or theft of toxic chemicals. The workshop was attended by delegates from Algeria, Angola, Botswana, Cabo Verde, Ethiopia, Kenya, Morocco, Nigeria, Seychelles, Uganda and South Africa.

Discussions at the workshop included identifying best practices in developing legislation on chemical security, assessing risks and threats related to chemical security covering the entire chemical life cycle, as well as how technologies are being used by chemical security adversaries. CAIA delivered a presentation titled "Best Practices in Engaging with the Chemical Industry and Distributors".







Sharing Knowledge and Experience – Responsible Care® Platforms continued

Training Courses

In today's ever-changing operating environment, the importance of training has never been greater. Training is a fundamental step to ensure employees can do their jobs correctly, safely, and efficiently. It is also one of the mechanisms used to share knowledge and experience in order to implement Responsible Care® effectively.

CAIA has always been, and will continue to be guided by members through existing platforms and surveys on additional training needs, as well as how to deliver effective and engaging training that positively impacts members' bottom line. The training courses on this page were implemented over the last 12 months.



Implementing SQAS-AFRICA Management System

CAIA provided training to delegates at the Implementing SQAS-AFRICA Management System Training Course event held from 8 to 9 May 2024. The course promotes awareness on the SQAS-AFRICA Management System and was designed to provide delegates with the skills to develop, implement and maintain SQAS-AFRICA at the workplace.

14 delegates trained by CAIA



Basic Globally Harmonised System of Classification and Labelling of Chemicals

Chemical hazard communication is a key strategy to prevent illness and disability from exposure to potentially hazardous chemicals. To create Globally Harmonized System of Classification and Labelling of Chemicals (GHS) awareness, compliance to legislation, and to strengthen the national capacity for safe management of chemicals, CAIA developed a two-day Basic GHS Training Course.

The Regulations for Hazardous Chemical Agents, which give effect to the GHS, became mandatory in South Africa in September 2022. The GHS Basic Training Course module targets lower-level employees. CAIA is currently developing a GHS Advanced Training Course that will be implemented during 2025, for employees who are responsible for GHS classification of chemicals

This year, training took place in May and eight delegates attended the course.



SQAS-AFRICA Lead Auditor

CAIA has been building the capacity for auditing LSPs since 2017. With assistance from Cefic, CAIA developed a two-day auditor training course for auditing LSPs against the requirements of the SQAS-AFRICA Management System.

This year, training took place in September and seven delegates attended.









CAIA monitors developments in the economic and regulatory environment that are of interest to its members on an ongoing basis. Important activities and public consultation processes are reported weekly in the Advocacy Alert that is circulated electronically to all members and discussed at the weekly and quarterly Advocacy meetings.

Technical Working Group meetings have been held where more in-depth discussion with members is needed to develop a CAIA position to engage with the Government and to make formal submissions. The support from CAIA's members is greatly appreciated for providing input and comments to inform the CAIA response.

The following regulatory roadmap includes key legislative developments that have taken place over the last year from 1 October 2023 to 30 September 2024, which have been monitored and reported on by CAIA.

2023 **OCTOBER** Water Services Act. No. 108 of 1997 Regulations relating to compulsory national standards for process controller and water services works **National Environmental Management:** Waste Act, No. 59 of 2008 Consultation on the proposed amendments to the Regulations regarding the Control of the Import or Export of Waste National Environmental Management Act, No. 107 of 1998 Amendments to the Regulations to Domesticate the Requirements of the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade **NOVEMBER** National Water Amendment Bill, 2023 National Water Services Amendment Bill, 2023 **DECEMBER** National Environmental Management Act, No. 107 of 1998 Draft National Regulations for the Management of Mercury in South Africa Taxation Laws Amendment Act, No. 17 of 2023

2024 **MARCH National Environmental Management:** Air Quality Act, No. 39 of 2004 Draft National Dust Control Amendment Regulations **APRIL** Occupational Health and Safety Act, No. 85 of 1993 Draft Regulations for Hazardous Chemical Agents MAY **National Environmental Management:** Biodiversity Act, No. 10 of 2004 Draft National Environmental Management: **Biodiversity Bill JULY** Climate Change Act, No. 22 of 2024 **AUGUST** Draft Taxation Laws Amendment Bill, 2024 Carbon Tax Act, No. 15 of 2019 Carbon Offset Regulations **South African National Water Resources** Agency SOC Limited Act, No. 34 of 2024 **Electricity Regulation Amendment Act,** No. 38 of 2024 **National Environmental Management:** Air Quality Act, No. 39 of 2004 Regulations for Implementing and Enforcing

Priority Area Air Quality Management Plans









AECI Limited: Community Impact – Level Up



INVESTMENT

R1.3 million in 2024 / R1.5 million in 2023

BENEFICIARIES Women and youth

In response to the Covid-19 pandemic, AECI partnered with Siyabonga Africa to establish grassroots social enterprises in target areas, including bakeries and food gardens, aimed at job creation for women and youth. The "Level Up" initiative focuses on enhancing the sustainability of these enterprises, building on past successes to create more jobs, foster economic empowerment, and drive positive change in the communities. Specific assistance includes developing business and sales skills, marketing support, and provision of rainwater harvesting, solar energy, and bicycles for deliveries.

By focusing on sustainable social enterprises, not only is immediate relief provided but long-term opportunities are created for growth and self-sufficiency. The initiative has already achieved the registration of seven enterprises and provided 124 work opportunities, of which 75% are women and transferred skills to 105 individuals through training programmes. The project also provides food to 1 489 vulnerable individuals monthly.













Member Projects

AECI Limited: From Bottles to Bags



INVESTMENT R500 000 per annum

BENEFICIARIES 150 000 women nationally

AECI has had a long-standing partnership with PETCO to empower 13 buy-back centres and waste pickers to recycle up to 400 tonnes of waste per month and generate over 200 permanent jobs. The partnership has been expanded to work with Masekethele, a waste management enterprise, to champion environmental stewardship through circularity initiatives. This initiative was motivated by women waste collectors in Phalaborwa, who transform recycled polyethylene terephthalate (PET) plastic bottles into a versatile, washable, and durable fabric that is used to manufacture bags. The project has empowered 150 000 women in various communities. Training in sewing skills is

provided to the women who are able to work from home allowing them to continue to care for their families. The longer-term goal of Masekethele is to grow the number of informal sewing groups and expand partnerships. A new partnership includes Thinavhuuo Recycling who are cleaning the Kruger National Park surrounds and is projected to create 1 000 entrepreneurs per year.

This partnership is setting an example that sustainability and social responsibility can go hand in hand with economic growth and innovation. This becomes possible when creativity, sustainability. and compassion come together.

















Focus on Members/Member Projects continued

AECI Limited: Step up to a Green Start Up



INVESTMENT R1 million per annum

BENEFICIARIES Youth

AECI in partnership with Primestar helps the youth to identify entrepreneurial opportunities in the green economy. The initiative "Step Up 2 A Green Start Up", is designed to develop the much-needed entrepreneurial skills, through a practical journey with a relatable South African narrative and corresponding booklet. Other elements of the training include hands-on activities, including a national youth entrepreneurship challenge (competition), business model adjudication, pitching and awards, as well as providing beneficiaries with opportunities of guidance and development. AECI is developing mentorship opportunities within the initiative for their subsidiary businesses and other partners.

In 2023, a total of 13 109 beneficiaries across eight provinces were assisted. This included 1 387 beneficiaries at rural schools across three provinces. The Bootcamp and National Youth Entrepreneurship Awards ceremony marked the last phase of the programme. Twenty-eight learners and nine educators participated in workshops that were led by industry professionals to strengthen their business ideas for which they ultimately received prizes collectively valued at over R4 million.













AECI Limited: Tiny-Tania



INVESTMENT R45 million

BENEFITS Waste minimisation, raw material recovery, sustainable production

The prilling plants at AECI Mining Explosives generate significant volumes of liquid effluent, one of which is a weak (50%) ammonium nitrate solution. Due to contamination by substances such as organic material and solids, this effluent stream is sold at a price below its intrinsic value. The rising cost of ammonia highlighted the opportunity to recover valuable ammonium nitrate from the effluent, reduce waste and maximise financial returns. To address this, a purification plant has been installed to treat the ammonium nitrate solution for reuse in the prilling process. The purification process uses advanced technologies and takes place in two stages. In stage I, the organic material and other contaminants are filtered out from the effluent stream to produce an ammonium nitrate solution that is suitable for emulsion formulations. Stage II will further refine the effluent for use in the prilling process.

In addition to the financial benefits of reduced effluent disposal costs and recovery of a valuable raw material, this initiative will decrease the waste footprint and contribute to a more sustainable manufacturing process.











Focus on Members/Member Projects continued

Arch Wood Protection (SA) (Pty) Ltd:

Installation of a new 4 500 litre SAF 2205 Arsenic Acid Reactor

INVESTMENT

R3.5 million

BENEFITS

Improved process safety and productivity

Arch Wood Protection (SA) (Pty) Ltd is a supplier of wood preservative products. Safe operation of the manufacturing operations is of paramount importance. Currently it is one of two companies in the world that manufactures arsenic acid, which is produced by the chemical reaction of arsenic trioxide with oxygen and concentrated nitric acid. The Arch Wood Protection arsenic acid manufacturing facility at Conley, USA was decommissioned due to damage to the equipment because of the high chlorine content. This resulted in 94 MT of arsenic trioxide that could not be used or returned to the supplier. The disposal cost of the arsenic trioxide would have been US\$1 million.

The company made the decision to ship the arsenic trioxide to South Africa where a new reactor was installed that can handle the high chloride concentration to manufacture arsenic acid. The new reactor includes several design features that improves process safety and productivity.











A-Thermal Retort Technologies (Pty) Ltd:

Thermal Destruction of Ozone Depleting Substance

INVESTMENT

R3 million

BENEFITS

Destruction of 9 660 kg of R11 and 46 410 tonnes CO₃e emissions avoided

A-Thermal operates a process plant for the destruction of hazardous chemicals, including persistent organic pollutants (POPs) and ozone depleting substances (ODS), such as chlorofluorocarbons (CFCs). The refrigerant R11 is classified as a controlled substance under the Montreal Protocol and the material must be disposed correctly. A-Thermal was tasked with the destruction of R11. To meet this objective, A-Thermal designed, installed and commissioned a PLC controlled process line to feed the R11 from an isotainer tank directly into the furnace operating at a minimum temperature of 1 100° C. The design and operation met the compliance requirements of the UN Technology and Economic Assessment Panel (TEAP) for destruction technologies for controlled substances. The destruction process took 13 days. On completion, a thermal destruction certificate and a technical report was issued to the client.

environmental benefit for the entire world.













Focus on Members/Member Projects continued

Bidvest Tank Terminals:

School's Digital Project

INVESTMENT

R960 365 in 2023 and R915 630 in 2024

BENEFICIARIES

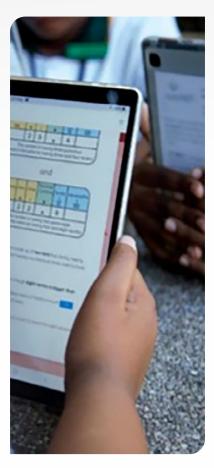
1 067 beneficiaries in 2023 and

1 054 beneficiaries in 2024

The Bidvest Tank Terminals Schools' Digital Project provides access to learning content for learners and support to educators at primary school level to improve learning outcomes in the key areas of literacy and numeracy. This innovative initiative provides hardware, connectivity, and access to high-quality digital educational content, blending global best practices with locally relevant material. The on-site hardware, connectivity, and learners' digital literacy has enabled a rapid response to curriculum changes, such as introducing coding and robotics for Grade 7 learners.

The project has achieved significant improvements in learning outcomes. In the foundation phase, literacy has improved, especially since the content is available in mother-tongue languages, allowing for a smoother transition to English as the medium of instruction for children who are not English first language speakers. In Grades 4 to 7, learners have moved up by four grade levels in mathematics within a year.

The project demonstrates the power of technology to transform education, providing learners with access to quality learning content and support to educators, ultimately leading to improved learning outcomes and a brighter future for the students.





BME, a Division of Omnia Group (Pty) Ltd:

Innovex[™] 300D: A Solution for Challenging Mining Environments #Green emulsion #Sustainable Solution

INVESTMENT

R1.5 million

BENEFITS

Improved safety and blasting performance while minimising environmental pollution

BME's Innovex™ 300D is an industry-leading innovative mechanised bulk explosives solution engineered for challenging mining environments, particularly dynamic water in surface mines. Dynamic water, which refers to actively moving water in the mining environment, can cause significant operational, safety, and environmental issues, including misfires, NOx fumes, nitrate leaching, and emulsion runoff, particularly when it infiltrates blast holes. The high-strength bulk emulsion matrix, with its advanced formulation, enhances resistance to dynamic water, and maintains its integrity in fractured or weathered geological conditions, thus reducing safety risks and environmental impact.

Innovex™ 300D sets a new standard for safe, efficient, and environmentally responsible blasting operations in challenging mining environments. By offering enhanced resistance to dynamic water, superior blast outcomes, and significant reductions in safety and environmental risks, it provides a comprehensive solution for mines striving to overcome the difficulties posed by dynamic water. Innovex™ 300D utilises high levels of processed waste oil providing a sustainable solution.



















BME, a Division of Omnia Group (Pty) Ltd:

Smart Mobile Manufacturing Unit Technology

INVESTMENT

R1.5 million

BENEFITS

Improving operational efficiency and safety

Mines are looking for data integration solutions to capture credible and accurate data for up and downstream decisionmaking.

BME's Smart Mobile Manufacturing Unit (MMU) is designed to capture data, monitor product information, and record delivery of bulk emulsion according to defined chemistries and formulations. This allows a mine to benefit from greater insights and decision-making capabilities with each loading and blast cycle. The unit makes use of internet connectivity to allow real-time data to be captured and stored in a cloud database. This provides customers with direct accessibility of process data at any stage of the loading process to monitor productivity, maintenance control, product quality, and asset utilisation. The MMU control panel software includes operating condition rules that automatically shuts down the plant if breached, preventing potential safety incidents.







Buckman Laboratories (Pty) Ltd: Safety Week





INVESTMENT **SHERQ** team time

BENEFITS Improved employee health and safety

Buckman Safety Week is an annual event that is dedicated to safety and wellbeing. The initiative started in 2021 and has grown significantly over the years. During safety week, employees are given the opportunity to present and attend virtual and face to face workshops, locally and globally. These are interactive sessions where employees can ask guestions as well as provide recommendations on how to improve the work environment. The topics covered usually include safety, health (including mental health), environmental, risk, and process safety.



Buckman recognises that an organisation's biggest asset is its people. Safety Week has had a long-term impact on the overall safety culture of Buckman, including zero environmental incidents, an increase in associate near miss and behaviour-based safety reporting, ensuring that repeatable incidents are minimised or eliminated and zero Occupational Injury Rate (OIR) and Lost Time Incident Rate (LTIR).









Buckman Laboratories (Pty) Ltd: Water Recovery and Reuse in Production



INVESTMENT R8.9 million

BENEFITS Treatment of 10 – 15 tonnes of process effluent per day and reduction of 4 000 tonnes of municipal water

Buckman successfully commissioned the water recovery plant at the end of October 2010. The plant is capable of processing 10 to 15 tonnes of effluent per day depending on the specification of the feed stream. Since inception, the plant has treated over 28 000 tonnes of process effluent which resulted in the production of 25 000 tonnes of distillate water. Approximately 4 000 tonnes of the distillate water was reused in the manufacturing plant which reduced municipal water intake.

The benefits of the project also include reduced effluent discharge to waste treatment facilities, energy savings and has created a greater awareness towards the reduction of wastewater management.

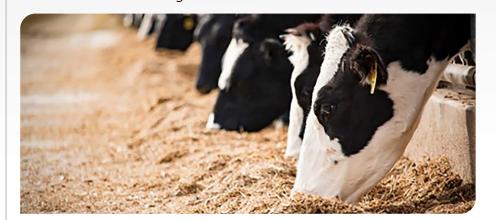








EnviroServ Waste Management (Pty) Ltd:Alternative to landfilling



INVESTMENT	R500 000
BENEFITS	2 100 tonnes of spent grain and yeast diverted from landfill per month

EnviroServ is dedicated to finding innovative waste management solutions for their customers and reducing waste to landfill. A partnership with the brewery and agricultural industries has resulted in the diversion of spent grains and yeast from landfills to farmers, who use these high-protein by-products as nutritious feed for dairy cows and heifers. Cows enjoy the taste of the grain, which allows the farmers to supplement a less palatable feed with a high-nutritional value feed which increases milk production and margins per hectare.















EnviroServ Waste Management (Pty) Ltd:

Annual Dress a Learner Programme



INVESTMENT R286 469 in 2024

BENEFICIARIES 250 learners annually

Recognising the importance of education, EnviroServ launched the Dress a Learner Programme in 2013. By partnering with community leaders and the Department of Basic Education, primary and high school students are provided with full school uniforms. Annually, the programme outfits at least 250 learners from 165 schools near EnviroServ's facilities with blazers, shirts, jerseys, tunics, trousers, socks, shoes, and tracksuits.

This initiative creates uniformity amongst learners, ensuring that there is no difference between a poor and wealthy learner. It further addresses issues of low self-esteem due to lack of uniforms, reducing absenteeism and fostering better educational outcomes. The schools play an active role in the programme and identify needy learners, orphaned learners, children from child headed households and those with dire circumstances. Schools have reported that learner dropout rates have significantly reduced since the introduction of this programme and that the learners' dignity has been restored.



EnviroServ Waste Management (Pty) Ltd:

Intuthuko Embroiders Primary Co-operative



INVESTMENT R144 000 per annum

BENEFICIARIES 15 women from Etwatwa

The Intuthuko Embroiderers Primary Cooperative was established to empower women from Etwatwa, which is located near the Holfontein waste management facility, and grant them an opportunity to earn a living through sewing. They design and make a range of colourful embroideries using hand dyed thread, ranging from guilt squares, cell phone bags and panelled wall hangings, which tell the stories of township life and traditional African traditions

The Co-operative now directly employs 15 people and exports the embroideries to countries as far away as Canada, the USA and France. They have won numerous awards including the prestigious First National Bank Vita Crafts Awards for their interpretation of their "Journey to Freedom - celebrating 10 years of Democracy in South Africa". In 2024, the Co-operative received the largest order since their inception when SUEZ placed an order of various shopping bags to the value of R240 000.

EnviroServ provides resources to the Co-operative, including monthly rental payment for the facility from where they work, marketing the work, and sponsoring trips, nationally and internationally, to showcase the artwork.





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13 CLINATE

15 LIFE ON LAND

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Focus on Members/Member Projects continued

EnviroServ Waste Management (Pty) Ltd:

Partnership between Zwartkops Conservancy and EnviroServ in Protecting the Swartkops Estuary



INVESTMENT Total R650 000 support for all the initiatives

BENEFICIARY Swartkops River, estuary and valley

The Zwartkops Conservancy, formed over 50 years ago, is dedicated to fight for the ecological survival of the Swartkops River, the estuary and surrounding valley which is now regarded as the eleventh most important estuary in the country. EnviroServ has supported with funding over the years and frequently assists in various initiatives such as beach and river clean-ups and clean-ups in the townships within Gqeberha.

One of the programmes established under the Zwartkops Conservancy is the Buhlebendalo (Beauty of nature) EnviroClub. This initiative ensures that children are well equipped with knowledge around environmental care and awareness. Educational sessions take place during the school holidays to help keep youngsters off the street and to give them something fun, constructive and educational to do. The children also participate in clean-ups, tree planting, gardening and recycling. EnviroServ is an integral part of the sessions and attends each year to share knowledge with the children.

Through a collaborative effort, Zwartkops Conservancy and EnviroServ also helped in the establishment of the Noziqhamo buy-back centre which focuses on promotion of recycling and reduction of pollution. EnviroServ donated containers, a bakkie, a scale and a baler machine to the centre.

EnviroServ Waste Management (Pty) Ltd:

Skill Development - Learnerships



INVESTMENT R2.9 million in 2024

BENEFICIARIES Unemployed youth

EnviroServ is committed to upskilling communities in which it operates. In recognition of the pivotal role of education and training in youth development, EnviroServ has implemented a learnership programme designed to equip unemployed young people with the skills and knowledge they need to thrive in the workforce. Through collaborations with industry experts and training institutes, a range of vocational programmes, apprenticeships, and hands-on workshops are offered. A specialised programme has been developed for differently abled learners, equipping them with the resources needed to succeed.

The learnership programme was launched during the 2015-2016 financial year and since then hundreds of young people around the country, including those with disabilities, have completed the 12-month Business Administration level two learnership. Three months of theoretical training is followed by nine months of practical training on-site or at the sites of other businesses with whom EnviroServ has relationships. About 40% of the learners are now permanently employed by Enviroserv and other companies.















ImproChem (Pty) Ltd t/a AECI Water: The Power of Partnerships: Driving Sustainable Refining and Water Solutions



INVESTMENT R12 million in 2024

BENEFITS Improved water security, operational sustainability

AECI Water and Astron Energy celebrate a milestone partnership after 20 years of sustainable water management. In 2003, AECI Water and Astron Energy embarked on a pioneering partnership to upgrade treated sewage effluent from the Potsdam wastewater treatment plant. The goal is to produce high-quality water for industrial use, reducing reliance on potable water. Key achievements included designing, building, and commissioning of the first water treatment plant in 2006 that provided the refinery with 450m³/hr, freeing up 24 billion litres of potable water for the community in the Western Cape over this 14-year period. Futureproofing continues as the plant is undergoing upgrades to meet evolving water quality standards, ensuring long-term performance and sustainability. This partnership highlights successful collaboration, innovative water management, and commitment to environmental stewardship. AECI Water and Astron Energy's partnership demonstrates the power of collaboration in driving sustainable solutions. As we look to the future, this milestone inspires continued innovation and commitment to protecting our precious water resources.











Impro Logistics (Pty) Ltd:

Reducing Emissions and Enhancing Life





INVESTMENT R25 140 per test

BENEFITS Lower transport air emissions

Vehicle emissions testing is crucial to reducing air pollution and promoting a healthier environment. With the increasing number of vehicles on the road, it is essential to ensure that they are not emitting harmful pollutants into the air. As part of commitment to environmental responsibility and sustainability, Impro Logistics launched a vehicle emission test initiative in 2022.

The initiative was implemented in phases starting with the Impro Logistics fleet of 13 vehicles in Johannesburg and then extending to employees, suppliers and customers to ensure a successful rollout and compliance at all the branches.

















Focus on Members/Member Projects continued

Labchem (Pty) Ltd: Chemical Legislation Talk



INVESTMENT R2 000

BENEFICIARIES Customers and suppliers

As a laboratory supplier offering an extensive range of laboratory chemicals to numerous users, Labchem has noted non-compliance amongst both customers and suppliers regarding the rules and regulations governing chemicals. The Forum at the Analytica Lab Africa exhibition was identified as an opportunity to present information regarding chemical legislation to a broad base of delegates. The presentation included the legislation pertaining to chemicals with tips on finding useful information. A specific focus was on the GHS labelling and transport requirements where high levels of non-compliance is encountered. Attendees were also provided with information on the restricted chemicals lists and associated international conventions and how this results in delays in importing the chemical.

This awareness raising event also formed part of the Labchem theme of "KNOW YOUR CHEMICAL" and was another opportunity to assist users to become more responsible and know more about the chemicals they are using.











Omnia Group (Pty) Ltd: Agri Skills Hub

INVESTMENT

R6.5 million

BENEFICIARIES

40 unemployed youth per annum

Omnia in collaboration with Afrika Tikkun has established an Agriculture Skills and Entrepreneurship Hub in Sasolburg. The aim of the hub is to address food security while addressing vouth unemployment, primarily through agricultural skills training.

The training facility is located on unused Omnia industrial land and includes hydroponics, green houses and a food processing facility. Comprehensive theoretical and practical training is offered to develop a new generation of farmers and agricultural entrepreneurs. The skills hub aims to work with 40 candidates annually. The first group of 10 learners has already completed their theoretical and practical learning with an 80% success rate. Graduates have been placed through the Youth Employment Service (YES) programme at one of the chain retailers in Sasolburg for a 12-month work experience programme with possible permanent employment.



Two graduates are pursuing agricultural entrepreneurship at the Boiketlo re va hola Centre where they are undertaking small scale farming. The second group of 10 learners is currently in training. The first harvest of vegetables produced at the farm were sold to Omnia staff members, at a market day organised by the learners.

In commitment to the environmental, social, and governance principles, the hub uses renewable energy sources, and the farming operations are focused on sustainable farming practices.



















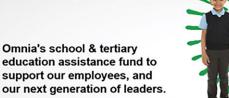
Omnia Group (Pty) Ltd:

Future Fund



Omnia's school & tertiary

support our employees, and







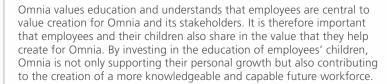
INVESTMENT

R9.7 million

BENEFICIARIES

485 student bursaries in 2023

Omnia launched the Future Fund programme in 2023 that offers bursaries to the children of the employees. Through this fund, Omnia awarded bursaries for fees for primary, high school and tertiary students. A focus was on disadvantaged groups and lower income earners. The bursaries for tertiary education prioritised science, technology, engineering and mathematics (STEM) and commerce qualifications.







Orion Engineered Carbons (Pty) Ltd:

Brownwater Reclamation Sustainability Project





R50 million INVESTMENT

BENEFITS

Approximately 1.6 ML/day potable water saved

The Brownwater Reclamation Sustainability Project began in early 2023. Treated effluent (brown water) from the Fishwater Flats wastewater treatment plant is a source of demineralised water used in the carbon black manufacturing plant. This reduces the dependency on potable water supplied by the municipality and ensures operations continue during droughts.

Two years ago, a severe drought hit the Nelson Mandela Bay municipality on the southern coast of South Africa. Reservoirs were nearly empty, pushing the population of 1.3 million close to "day zero". In response to the crisis, Orion constructed a reverse osmosis plant for the reclamation of treated effluent from the Fishwater Flats Wastewater Treatment Works. Orion now has the capacity to recover 3 million litres a day from the municipal plant and treat the effluent water so that it meets the quality level for the site's production process.















Safripol (Pty) Ltd: Enabling Sustainability Through Renewable Energy



INVESTMENT	R180 million
BENEFITS	17.56 GW of renewable energy and 18 621 tonnes reduction in CO ₂ e emissions per annum

To mitigate the energy supply challenges experienced in the past years and to enhance operational efficiency, Safripol has built a 10MW self-generation solar power plant to provide clean, renewable energy to its Sasolburg facility. This was also an active step in decarbonising the energy source and reducing the plant's carbon footprint and greenhouse gas emissions.

The state-of-the-art solar plant spans 18 hectares near Sasolburg, featuring over 15 000 panels that continuously track the sun to capture maximum energy. In the 2024 financial year, 14.4% of the group's electricity requirements were generated by renewable energy, with a concomitant reduction of greenhouse gas emissions. The plant also demonstrated an internal rate of return greater than 20%. A locally sourced, contracted workforce of 103 people managed the installation of the plant contributing to community involvement and local job creation. Additional investments are planned for Safripol's Durban facility, and further expansion is in the pipeline for the energy generation facility at Sasolburg.









Safripol (Pty) Ltd: Everyday Environmental Heroes Act



INVESTMENT R420 000

BENEFICIARIES Blue Lagoon beach, Sasolburg Stadium and surrounding areas, and Hennops River

BENEFITSEmpowering active citizenry

In a strong demonstration of environmental stewardship, Safripol mobilised "Everyday Environmental Heroes" to participate in the Clean-up and Recycle SA Campaign 2022-2023. This commitment extended to the Adopt-A-Warrior Programme led by the Hennops Revival which addressed post-flood clean-up and stormwater drain maintenance in the Centurion area.

On International Coastal Clean-up Day, 251 volunteers comprising Safripol staff and supportive stakeholders took part in clean-up efforts at the Blue Lagoon in KwaZulu-Natal and at the Sasolburg Stadium and nearby roads in Sasolburg. Safripol also partnered with Umbilo Secondary School in Jacobs and Cedar High School in Sasolburg, where 35 students and their teachers were empowered to act on the day, and also participated in the clean-ups, whilst learning about responsible plastic use, and the principles of reducing, reusing, and recycling.

Through ongoing clean-up efforts and educational campaigns on waste and recycling, Safripol is empowering more citizens to become change agents and active stewards of the environment. While clean-up activities address immediate concerns, they also play a crucial role in ecosystem rehabilitation and increasing environmental awareness

















Safripol (Pty) Ltd: Inani Startwell Feeding Scheme



INVESTMENT R2.27 million in 2023 and R2.41 million in 2024

BENEFICIARIES 2 600 children

The Inani StartWell Feeding Scheme provides daily nutritious meals to young children to reduce childhood malnutrition and stunting. This programme targets children under five years old, primarily in early childhood development centres, ensuring they receive essential nutrients during their critical developmental years. Preliminary data which tracked the height of 527 children over a 9-month period showed that 60% (316 children) had a measurable growth improvement. The measurement group included 120 children exposed to chronic malnutrition of which 84% (101 children) showed improved growth relative to their starting point.

The initiative not only addresses immediate nutritional needs but also supports Safripol's broader sustainability goals. By using refillable plastic containers for meal distribution, the programme aligns with environmental responsibility efforts, reducing waste and promoting sustainable practices.











Safripol (Pty) Ltd: Let's Plastic Responsibly



INVESTMENT R13 million in 2023 and 2024

BENEFITS Positive social change amongst citizens of South Africa

Safripol's "Let's Plastic Responsibly" (LPR) initiative is an education and awareness campaign aimed at reshaping public perceptions of plastics by disseminating information to consumers through various social media channels and implementing special projects. The LPR initiative focusses on promoting responsible behaviour change that drives sustainable use, innovative design, recycling, and effective end-of-life management of plastics.

To influence positive behaviour change around plastics, Safripol's LPR campaign focussed on highlighting plastic's essential role and value, and promoting reducing, rethinking, repurposing, and recycling of plastics. Under the LPR initiative, Safripol also launched its Toy Campaign, in partnership with The Angel Network and Toy Kingdom, which promotes re-use of plastics by refurbishing pre-owned plastic toys which are redistributed to underprivileged children across South Africa. In 2023, the campaign expanded to 128 locations and collected 55 233 pre-owned toys.

Awareness of the LPR campaigns can be correlated with behaviour change and better recycling habits. When comparing recycling surveys, in 2020, 59% of respondents said they recycle which increased to 71% in 2023. This indicates that the campaigns have raised awareness about the environmental impact of plastics, encouraging sustainable choices.

















Sasol South Africa Limited:

Arbor Day





INVESTMENT R50 000

BENEFICIARIES Communities and schools in Sasolburg, Ekandustria and Zamdela

In celebration of National Arbor Day, Sasol volunteers and community members planted 243 fruit and indigenous trees in communities and schools. Orange, lemon, naartjie, apple and peach trees were planted to supplement food supplies at schools and the Careswell Children Centre. Indigenous trees that are frost and drought resistant were chosen to ensure that they will grow well in the area. This included the common tree of the year, the False Olive (Buddleja Saligna), as well as the Karee (Searsia Lancea) and Venda bushwillow (Combretum Erythrophyllum).

This initiative improves the environment landscape and increases education and awareness of the importance of trees, as well as contributing to carbon sequestration and offsetting in the region. Sasol's support for the Arbor Month campaign promotes tree planting and greening towards meeting the national target of planting at least two million trees annually as announced by the Office of the Presidency in 2020.









Sasol South Africa Limited: Cleaning Campaign



INVESTMENT R500 000

BENEFICIARIES Seven wards in Metsimaholo Local Municipality

Through various engagements within the Metsimaholo Local Municipality, Sasol identified that areas within Sasolburg and Zamdela needed a clean-up campaign to restore a healthy environment for the community. During September 2023, over 900 Sasol volunteers and community members participated in the campaign to clean up waste in seven wards in Metsimaholo Local Municipality. With this effort they joined around 89 million volunteers from 195 countries around the world to raise awareness of the global mismanaged waste crisis.

Sasol's support for cleaning campaigns helps to foster stronger bonds with the surrounding communities and to raise awareness of how to care for the environment through proper waste management. The cleaning initiative has changed community behavioural practises and enhanced healthy living and instilled pride for the community.

















Focus on Members/Member Projects continued

Sasol South Africa Limited:

Gas Engine Power Plant Optimisation Scheme



INVESTMENT	R17 million	
BENEFITS	Natural gas consumption reduced by 24 million GJ per annum	

The Sasol Gas Engine Power Plant supplements the Sasolburg factory power demand and exports into the national Eskom grid by generating electricity from natural gas using a series of piston driven gas engines.

The plant that was built in 2017 has improved operational efficiency in terms of gas conversion to electrical power output. A project was subsequently initiated which included upgrading the gas engines software and optimisation of the control system to automatically self-correct the 'knocking' and derating phenomenon associated with the ignition of traces of impurities in the natural gas. This was further enhanced by configuring additional data monitoring points to optimise engine performance in real time. The project also included monitoring and automatic adjustment of the voltage regulator and breaker conditions. Other benefits of the plant upgrades include an improvement in the medium pressure steam quality from heat integration of the exhaust gases and a reduction of the gas engine maintenance schedules and associated costs. Additional learnings, insights and understanding of gas engine power generation was leveraged in the community of practice to enable knowledge sharing and to foster a culture of continuous improvement in industrial energy efficiency.









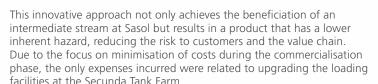
Sasol South Africa Limited:

Removal of Toluene from Turposol 17



INVESTMENT	R4 million	
BENEFITS	Substitution of a hazardous chemical to produce a safer and more sustainable product	

Toluene is used in the manufacture of Sasol's Turposol 17, a solvent that is used in the paint, inks, and coatings industries. Sasol identified and implemented an opportunity to replace toluene which is a REACH listed chemical with an internal material stream that is less hazardous. The performance of the new product Turposol N was analysed in the laboratory using Turposol 17 as a benchmark to ensure a superior product with enhanced health and safety benefits. The health concerns label element/pictogram has been removed as a result of the reclassification of the new product.













Focus on Members/Member Projects continued

Sasol South Africa Limited:

Water Borehole Project in Deneysville

INVESTMENT

R973 800

BENEFICIARIES

Deneysville community

The Deneysville community approached sasol for support to resolve water issues, which were significantly impacting their daily lives due to frequent disruptions and shortages. Following a feasibility study, a water borehole project was launched to address the community's needs. Three boreholes were drilled at the Refengkgotso Community Centre, the Sports Centre and the Deneysville Clinic. The boreholes are equipped with solar panels and water filtration and the water is certified as being safe for human consumption. The taps are placed where community members can easily access them to fill their containers. The boreholes were handed over to the Metsimaholo Local Municipality and Free State Department of Health to improve water security in the area.

The community now has a consistent and dependable source of clean and safe drinkable water and no longer needs to spend the time to fetch water from distant sources. This enables more time for education, work, and other productive activities. The project is aligned with Sasol's social investment approach that includes health and service infrastructure.















Vopak Terminal Durban (Pty) Ltd:

Durban Life Skills Project

INVESTMENT

R100 000

BENEFICIARIES

872 learners

Vopak co-ordinated a life skills programme where 872 learners in four schools in Durban benefitted. Learners received life skills training which includes goal setting, emotional intelligence, teenage pregnancy, and bullying.

Psychosocial support through professional counsellors was also provided where required, as well as career assessments and guidance.

This initiative has seen a positive impact in the students' lives through increased confidence, positive peer relationships and the development of a networking structure.







Replacement of 700 Incandescent Lights with LEDs

INVESTMENT R300 000

BENEFICIARIES

Reduction in energy consumption and carbon footprint



This ambitious project involved the replacement of 700 incandescent pole lights with LED lights that are 60% more energy efficient. This transition marks a significant stride towards reducing both energy consumption and the carbon footprint. This reflects an ongoing commitment to environmental responsibility and Vopak's strategic approach to integrating advanced technology for impactful sustainability.











Responsible Care® 2023 Awards

The hybrid CAIA Annual General Meeting, Responsible Care® Report Launch and Awards Ceremony took place at The Equinox Leadership and Innovation Centre in Sandton and was attended by 121 delegates. CAIA was joined by colleagues from Government, industry leaders and representatives from other relevant stakeholders. The following companies were winners and runners-up for the various awards.



Responsible Care® Award









Durban (Pty) Ltd











Responsible Care® 2023 Awards continued

Responsible Care® Logistics Service Provider Award





(Pty) Ltd



UniTrans Supply Chain Solutions (Pty) Ltd – Chemicals Division, AEL Contract – Mankwe





Impro Logistics (Pty) Ltd – Durban









Responsible Care® 2023 Awards continued

Responsible Care® Sustained High Performance Award



CATEGORY A



Contract Logistics, Dedicated Contracts, a division of ILSA Group (Pty) Ltd – Alrode (Hibiscus)





Impro Logistics (Pty) Ltd -Cape Town

CATEGORY B



Sasol South Africa Limited





BME, a Division of Omnia Group (Pty) Ltd









Responsible Care® 2023 Awards continued

Responsible Care® Initiative of the Year Award – CSR



CATEGORY A



Safripol (Pty) Ltd Community-led Waste Collection and Recycling



AECI Ltd Renewable Energy in Education



















Responsible Care® 2023 Awards continued

Responsible Care® Initiative of the Year Award – Company





Members

Safripol (Pty) Ltd **Enabling Sustainability** Through Circularity



CATEGORY B



Archwood (Pty) Ltd Installation of a New 4 500L Arsenic Acid Reactor

CAIA Water Award





Improchem (Pty) Ltd t/a AECI Water

Commitment to a Sustainable Future and Creating a Better World Through Alignment to Several of the **UN Sustainability** Development Goals



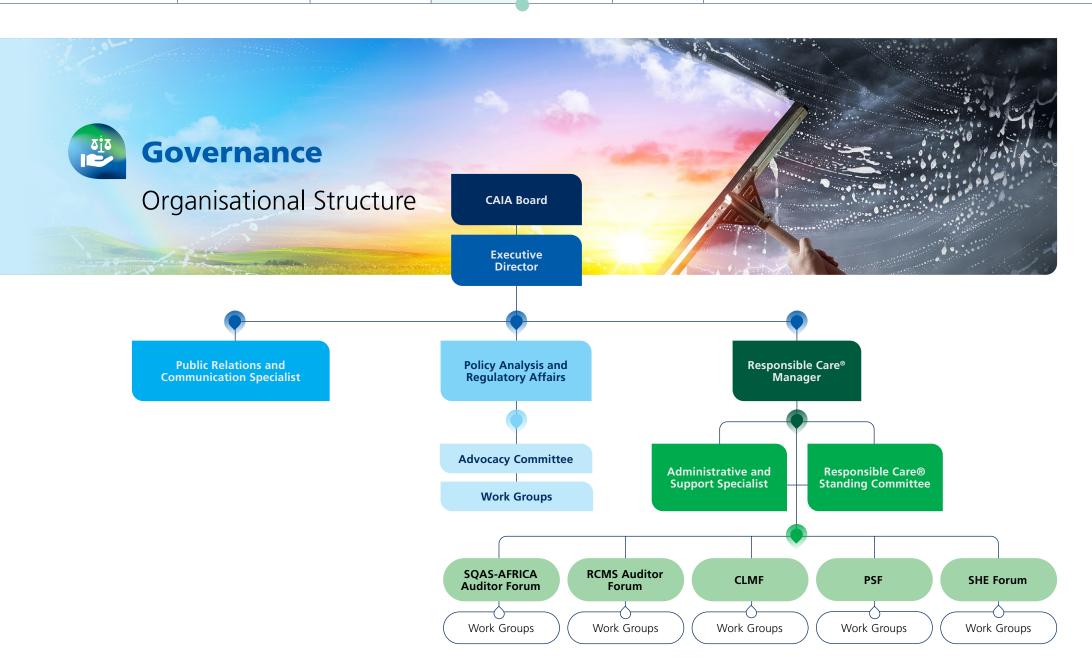
Unitrans Supply Chain Solutions Pty (Ltd) Unitrans' Adopta-River

















CAIA Board



Nico Van Niekerk

KAP Industrial Holdings Ltd
(Safripol (Pty) Ltd)



Industrial Distillers and Refiners (Pty) Ltd



Juliana Hosken Wernek

BASF Holdings South Africa
(Pty) Ltd



Deidré Penfold

CAIA



EnviroServ Waste Management (Pty) Ltd



Kevin Pillay

Dow Southern Africa (Pty) Ltd



Seelan Gobalsamy
Omnia Holdings Limited



David Mokomela
Sasol South Africa Limited



Schalk Venter

NCP Chlorchem (Pty) Ltd



Holger Riemensperger

AECI Limited



CAIA Team



Deidré Penfold

Executive Director



Amon Nyamhingura

Responsible Care® Manager



Marna Enslin

Public Relations and Communication Specialist



Nomthie Masuku

Administrative and Support Specialist

Technical Support

Catherine Grant Makokera

Independent

Julie Borland

Julie Borland Consulting

Aubrey Mawelele

Mabulane IT

Dhiraj Rama Independent

Henk Langenhoven

Quantec













CAIA Members as of 30 September 2024

Full Members

AECI Limited

- AECI Industrial Chemicals. a division of AECI Limited
- AECI Mining Chemicals. a division of AECI Mining Limited
- AECI Mining Explosives, a division of AECI Mining Limited
- AECI Plant Health, a division of AECI Limited
- AECI Specialty Chemicals, a division of AECI Limited
- ImproChem (Pty) Limited t/a AECI Water

AEIM Chemicals (Pty) Ltd

Arch Wood Protection (SA) (Pty) Ltd

Avient South Africa (Pty) Ltd

BASF Agricultural Specialities (Pty) Ltd

BASF Holdings South Africa (Pty) Ltd

Bayer (Pty) Ltd

Buckman Laboratories (Pty) Ltd

Clariant Sasol Catalysts (Pty) Ltd

Clariant Southern Africa (Pty) Ltd

Clariter ZA (Pty) Ltd

CORTEVA Crop Solutions SA (Pty) Ltd

Darchem (Pty) Ltd

DOW Southern Africa (Pty) Ltd

Evonik Peroxide Africa (Pty) Ltd

Fine Chemicals Corporation (Pty) Ltd

Gold Reef Speciality Chemicals (Pty) Ltd

Impala Platinum Limited – Refineries

Industrial Distillers & Refiners (Pty) Ltd Integrated Chemical Solutions (Pty) Ltd

Island View Storage (Pty) Ltd t/a

Bidvest Tank Terminals

Kevali Chemical Group (Pty) Ltd

Labchem (Pty) Ltd

Metsep SA (Pty) Ltd

NCP Chlorchem (Pty) Ltd

NuVest Recovery Solutions

Omnia Group (Pty) Ltd

- BME, a Division of Omnia Group (Pty) Ltd
- Omnia Fertilizer, a Division of Omnia Group (Pty) Ltd
- Protea Chemicals, A Division of Omnia Group (Pty) Ltd

Orion Engineered Carbons (Pty) Ltd

Orthochem (Pty) Ltd

Paperkem (Pty) Ltd

Protank (Pty) Ltd

Richbay Chemicals (Pty) Ltd

Rolfes Chemicals (Pty) Ltd

Safcor Freight (Pty) Ltd t/a

Bidvest International Logistics

SAFIC (Ptv) Ltd

Safripol (Pty) Ltd – Durban

Safripol (Pty) Ltd – Sasolburg

Sasol South Africa Limited

Syngenta SA (Pty) Ltd

Vopak Terminal Durban (Pty) Ltd

Associate Members

Africa Bunkering & Shipping (Pty) Ltd Anmesh Investments CC

A-Thermal Retort Technologies (Pty) Ltd

Averda South Africa (Pty) Ltd Cargo Carriers (Pty) Ltd

Contract Logistics, a division of DP World

Dasa Logistics (Pty) Ltd

Dawns Trucking (Ptv) Ltd

Desert Rain Logistic Services (Pty) Ltd

Diraro Logistics

Dolphin Coast Landfill Management (Pty) Ltd Drizit Environmental (Pty) Ltd

DS Transport Services CC

Eco-Eye Waste Management (Pty) Ltd

EnviroServ Waste Management (Pty) Ltd

FBN Transport CC

G&H Transport and Repairs CC

Gan-Trans (Pty) Ltd

Hazclean Environmental cc

HazQuip (Pty) Ltd

Heneways Freight Services (Pty) Ltd

Hi5 Storage and Logistics (Pty) Ltd

Impro Logistics (Pty) Ltd

Interwaste (Pty) Ltd

Khanat cc

Leonard Line Haul (Pty) Ltd t/a Local Bulk Haulage

Makwande Supply & Distribution (Pty) Ltd

Manline Energy (Pty) Ltd – Botswana

Manline Energy (Pty) Ltd – Chemicals Island

Manline Energy (Pty) Ltd – Pietermaritzburg

Manline Energy (Pty) Ltd – Sasolburg

Momentum Logistics (Pty) Ltd

Onelogix United Bulk (Pty) Ltd

Peterbill Transport (Ptv) Ltd

Rapid Onamandla (Pty) Ltd

Rapid Spill Response (Ptv) Ltd

RB Associated Logistics (Pty) Ltd

RB&Son Transport (Gauteng) CC

Reef Tankers (Ptv) Ltd

Road Bulk Services (Pty) Ltd

Runga Trans CC

S Bothma and Sons Transport (Pty) Ltd SA Landside Logistics (Pty) Ltd

Shipping and General Transport Services (Pty) Ltd Simtrans CC

Spill Tech (Pty) Ltd

Spill Tech Industrial Cleaning (Pty) Ltd

Spill Tech Specialised Projects (Pty) Ltd

Stallion Transport (Pty) Ltd

Tanker Services, a Division of ILSAG (Pty) Ltd

Terraluna Logistics (Pty) Ltd

Terraluna Washbay (Pty) Ltd

UniTrans Supply Chain Solutions (Pty) Ltd -

Chemicals Division / Lucerne Transport (Pty) Ltd

VASA Financing Corporation (Pty) Ltd

t/a Stellar Transport

Wardens Cartage cc Westmead Local and Cross Border (Pty) Ltd

Zimbulk Tankers (Ptv) Ltd

Affiliate Members

African Drum World (Ptv) Ltd t/a Anchor Pail and Drum Reconditioners

Cosmetic. Toiletry and Fragrances Association

Geomeasure Group (Pty) Ltd

Intertek Testing Services (SA) (Pty) Ltd

Judah Compliance Auditors

Leschaco (Ptv) Ltd

Lisam South Africa (Pty) Ltd

MHI Risk Engineers

Plastics Federation of South Africa

Proconics Operational Risk Control

South African Association of the Flavour and Fragrance Industry

S3 Logistix CC

SGS South Africa (Pty) Ltd

WSP Group Africa (Pty) Ltd







CAIA Members as of 30 September 2024 continued

SQAS-AFRICA User Group Members

Transport Service Category

- AAA Logistics (Pty) Ltd
- ADDX Trading 141 (Pty) Ltd
- Advance Transport Ltd
- Afbuy Trading (Pty) Ltd
- Africa360 Logistics (Pty) Ltd
- African Bulk Resources (Ptv) Ltd
- African Forwarding and Shipping (Pty) Ltd
- Agrifuels (Pty) Ltd t/a Alliance Fuel
- AIPB (Pty) Ltd
- Alter Clique (Pty) Ltd
- ARK Enterprise (Pty) Ltd
- Ash Enterprise Holdings (Pty) Ltd (Pty) Ltd t/a Epitome Freight Solutions
- Atlantic Oil Inland (Pty) Ltd
- Badnors Group (Pty) Ltd
- Bitwell Engineering & Haulage (Pty) Ltd
- Bovua Logistics (Pty) Ltd
- Brandvlei Verspreiders (Pty) Ltd
- Buffelshoek Transport SA (Ptv) Ltd
- CanCam Carriers Limited
- Cargo Movers Southern Africa (Pty) Ltd
- Castlehill Trading 120 cc t/a Watson Transport
- Coleman Energy Holdings (Pty) Ltd
- Coleman Traders (Pty) Ltd
- Colyns Transport (Pty) Ltd
- Comobyte (Pty) Ltd
- t/a Comotrans Bulk Transport
- Copper Zone Logistics Limited
- Cosmopolitan Hauliers cc
- CR Maesela Trading Enterprise (Pty) Ltd
- Crossroads Distribution (Pty) Ltd Midrand
- Crossroads Distribution Botswana Proprietary Ltd
- Crossroads Distribution Namibia (Pty) Ltd

- Dalimede Gas Distributors (Pty) Ltd
- DeVre Trans Proprietary Limited
- Dezzo Trading 416 cc t/a D.C & Logistics
- Dharwizi Transport (Pvt) Ltd
- DHCAESAR Holdings (Pty) Ltd
- Diesel Direct (Pty) Ltd t/a XFuels
- Diesel Supply Logistics (Pty) Ltd
- Diversified Global Logistix (Pty) Ltd
- Double Impact Projects (Pty) Ltd
- DSR Beleggings (Pty) Ltd
- Du Toit Bulk Carriers (Pty) Ltd
- Dumani Holdings (Ptv) Ltd
- e'Lisha Gas & Logistics cc
- Eagle Logistics SA (Pty) Ltd
- East Rand Bulk (Pty) Ltd
- Durban
- Germiston
- Echo Petroleum (Pty) Ltd
- Eco Africa Energy (Pty) Ltd
- Edgelink 88 (Pty) Ltd
- Emalini Enterprises 7cc t/a M Con Construction & Plant Hire
- Enaex Africa (Pty) Ltd
- Essential Fuels (Pty) Ltd
- Exilacure (Pty) Ltd
- Exousia Bulk Services (Pty) Ltd
- Durban
- Mossel Bay
- Pomona
- Port Elizabeth
- Express Petroleum (Pty) Ltd
- Faithrich Logistics cc
- Fast Fleet Transport cc
- Fastrak Trading 409 cc
- FE Industrial Supplies cc
- FF Transport cc
- Filano (Pty) Ltd

- Francor Transport Services (Pty) Ltd
- Freightcor Logistic Solutions (Ptv) Ltd
- Gas Giant cc
- Gaz Trans (Pty) Ltd
- Gemini Moon Trading 405 (Pty) Ltd t/a Dawn Carriers
- Global Transport Solutions (Pty) Ltd
- Godide Engineering Services (Pty) Ltd
- Good Glaze Decor Logistics (Pty) Ltd
- Greendoor Group (Pty) Ltd
- Guildhall (Pty) Ltd
- Gulfloaix (Ptv) Ltd
- Gulfstream Energy (Pty) Ltd
- Gundo Bulk Logistics (Pty) Ltd
- Haber Transport cc
- Hamoc (Pty) Ltd t/a Crusader Logistics
- Hardcore Logistics cc
- Headland Logistics Limited
- Heinal Transport 2008 (Pty) Ltd
- Hippo Transport Inc (Pty) Ltd
- Imbani Tankers (Pty) Ltd
- Indigas (Ptv) Ltd
- Intercape Freightliner (Pty) Ltd
- Inter-Sped Gauteng (Pty) Ltd
- Intshona Logistics (Pty) Ltd
- Investchem Chemical Logistics (Pty) Ltd
- Inyameko Trading (Pty) Ltd
- ITR Warehousing and Distribution cc
- Izikwe Energy (Ptv) Ltd
- Jackstands Projects (Ptv) t/a Olspa Botswana
- Jacobs Transport SA (Pty) Ltd
- Jamma Holdings (Pty) Ltd
- Jumaras Limited
- Karian Logistics (Pty) Ltd
- Kelrn Vervoer (Pty) Ltd
- Kensys Investments (Pvt) Ltd

- Khulasizwe Transport and Logistics (Pty) Ltd
- Klein Karoo Transport (Ptv) Ltd
- Kolela Trading cc
- KSN Logistics cc t/a South Coast Transport
- Labohlano Trading 120 (Pty) Ltd
- LCS Logistics (Pty) Ltd
- Lephema Executive Transport (Pty) Ltd
- Lephuthing and Three Daughters Hauliers cc
- Letsema Trade and Invest (Pty) Ltd
- Lindimax (Pty) Ltd t/a PPS Transport
- Loutrans (Pty) Ltd
- LTD Transport cc
- Magic Eye Trading 77cc t/a Titanic Trucking
- Malmoza Logistics (Pty) Ltd
- Mamonkwe Trading cc
- Manline Freight (Pty) Ltd
- Matador Logistics (Pty) Ltd
- MBT Petroleum (Pty) Ltd
- Mendi Tanker Services (Pty) Ltd
- Mfana Wandisile Energy cc
- Microzone 967 (Ptv) Ltd
- Midmar Freight cc t/a K&N Freightlines
- Mike B Holdings (Ptv) Ltd t/a MBH Bulk Haulers
- MJB Road Freight (Pty) Ltd t/a Premier Logistics Solutions
- Moleki Mbiko Energy Projects (Pty) Ltd
- MS Petroleum (Pty) Ltd
- Nandu Training and Logistics (Pty) Ltd
- Ncagu Holdings (Pty) Ltd
- New Energy Petroleum (Pty) Ltd
- New Era Commerce (Pty) Ltd
- Nexgistix Limited
- Ngejane Group (Pty) Ltd
- Nguna Petroleum cc
- Nicks Auto Engineering (Pvt) Ltd
- No1 Online Solutions (Pty) Ltd



CAIA Members as of 30 September 2024 continued

- Nolencia (Ptv) Ltd
- Nonke Petroleum (Pty) Ltd
- Ntabeni Logistics Management (Pty) Ltd
- Nyati Cross Border (Pty) Ltd
- Nyati South Africa (Pty) Ltd
- Ofie Mondlane Logistics and Trading (Ptv) Ltd
- Oketsa Group (Pty) Ltd
- Onelogix Linehaul (Pty) Ltd
- Orange River Tankers (Pty) Ltd
- OS Transport cc
- PA Stemmet Vervoer cc
- Pendobex (Pty) Ltd t/a Minzo Bulk Gas
- Peter Pan Transport Ubuntu (Pty) Ltd
- Petregaz South Africa (Pty) Ltd
- Petrohyper (Pty) Ltd
- Petroleum King (Pty) Ltd
- Platinum Vehicle Rentals (Pty) Ltd
- Potlako Logistics (Pty) Ltd
- Power IT Trading (Pty) Ltd
- Powerday Logistics (Pty) Ltd
- PPK Hauliers (Pty) Ltd
- Prodeliver Group (Ptv) Ltd
- Puregas (Ptv) Ltd
- R and T Enterprises (Pty) Ltd
- Raindance Investments 517 (Pty) Ltd
- Rautenbach Transport (Pty) Ltd
- Rays Corporation (Pty) Ltd
- RB & Son Transport (Cape) cc
- Red Mane Logistics (Pty) Ltd
- Reddy Ship (Pty) Ltd
- Redserv (Pty) Ltd
- Refsol International (Pty) Ltd
- Reinhardt Transport (Pty) Ltd t/a
- Amalgamated Bulk
- Chrome Carriers
- CPD Academy
- NKWE Bulk (Pty) Ltd
- Transmac

- Renwood Carriers cc
- Röhlig-Grindrod (Pty) Ltd
- Safety One Logistics (Pty) Ltd
- Saffron Investments (Ptv) Ltd
- Sammar Logistics (Pty) Ltd
- Saras Transport Specialities cc t/a D.S Freight Services
- Sarven Investments cc t/a Reddies Cartage
- SAZ Logistics (Pty) Ltd
- SBM Projects (Pty) Ltd t/a SBM Energy
- Sealand Transport cc
- Sesfigile Logistics cc
- Seven Days Trading 125 (Pty) Ltd trading as Faith Wheels Tankers
- SG Capital (Ptv) Ltd
- SG Solutions Joint Venture
- Sibathathu Construction (Pty) Ltd
- Silvercross Transport cc t/a Storm & Co
- Simply KS Projects (Pty) Ltd
- Siyakhulisa Trading Enterprise (Pty) Ltd
- SJ Logistics (Pty) Ltd
- SK Bulk Haulers (Ptv) Ltd
- SK Fuels (Pty) Ltd
- SK Group (Pty) Ltd
- SK Logistics (Pty) Ltd
- SK Trucking (Ptv) Ltd
- Skoon Begin Boerdery (Ptv) Ltd t/a Sha Na Na Fuel
- Skye Energy (Pty) Ltd trading as Skye Logistics
- SLR Freight Services
- SMI Bulk Transport cc
- SMM Logistics and Projects (Pty) Ltd
- Stols Vervoer Group (Pty) Ltd
- Strauss Logistics Zimbabwe (Pvt) Ltd
- Summerlane Trading 213 cc
- Sumtas Bulk (Pty) Ltd
- Sunset Oil Services and Logistics (Ptv) Ltd
- Suntrans (Ptv) Ltd

- Tamia Transport Services cc
- Tank 360 (Pty) Ltd
- Tau Era (Pty) Ltd
- TDG Logistics (Pty) Ltd
- Telan Oil & Gas (Pty) Ltd
- The Four Corners of the World Trading Enterprise
- Tholo Energy (Pty) Ltd
- Tip Trans Logistix (Pty) Ltd
- Tjakastad Trading (Pty) Ltd
- TM Crane and Truck Hire cc
- Trans Tech Shipping & Logistics (Pty) Ltd
- Transaction Carriers (Pty) Ltd t/a TAC
- Transport Holdings Limited Botswana
- Transportes Carlos Oliveira, Lda
- Triton Road Haulage (Pty) Ltd t/a Freight Logistics
- Tsogolo Energy (Pty) Ltd
- Twalamanyamande Projects (Pty) Ltd
- TWM Petroleum Services (Pty) Ltd
- Ubuntu Gas Petroleum (Pty) Ltd
- Vectura Logistics Limited
- Veela Mining Solutions (Ptv) Ltd
- Veldskoen Vervoer cc t/a du Plessis Vervoer
- Verco Energy (Pty) Ltd
- Versatile Logistics (Pty) Ltd
- Vooma Fuel Logistics (Ptv) Ltd
- Vortex Logistics (Pty) Ltd
- VPS Haulers (Pty) Ltd
- Vula Oil (Pty) Ltd
- Wasaa Gasses (Pty) Ltd
- Wasaa Logistics (Pty) Ltd • Wavelengths Zambia Ltd
- Wesbank Transport. a Division of FP Du Toit Transport (Pty) Ltd
- Westmead Truck Stop cc
- Whitehorse Carriers (Pty) Ltd Incorp Zalawi Haulage a division of AGL Group
- WJS Transport (Pty) Ltd

- Woodford Financial Services (Pty) Ltd t/a Woodford Vehicle Rentals
- Wozani Berg Gasoline (Pty) Ltd
- XMoor Transport (Pty) Ltd
- Fikenhoff
- Pinetown
- Yellow Jersey Logistics (Pty) Ltd
- Zenfreight cc
- Zosi Group (Pty) Ltd

Tank Cleaning Category

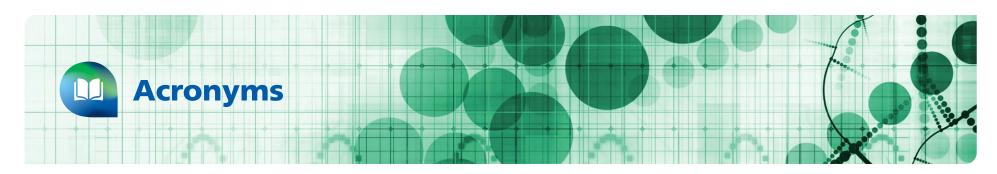
- Afro Global Trading cc
- Durban Tanker Wash and Refuels (Pty) Ltd
- Germiston Tanker Wash (Pty) Ltd
- Rheini-Chem (Pty) Ltd Secunda
- Rotary Cleaning Services Free State (Pty) Ltd
- Tanker Cleaning Services Natal (Pty) Ltd
- Unitanker Specialised Services cc

Warehousing Category

- Cargo Compass SA (Pty) Ltd
- Cape Town
- Boksbura
- Durban
- Goldfields Logistics (Pty) Ltd
- Cape Town
- Germiston
- Sasolburg
- Katoen Natie Chemicals South Africa (RF) (Pty) Ltd
- Sammar Logistics (Pty) Ltd Pocket 1 & 2
- Secunda Polymer Handling (Pty) Ltd
- Value Logistics Ptv Limited t/a Value Chemical Logistics
- Cape Town
- Kempton Park
- Pinetown

Certified Bulk Terminals

• C. Steinweg Bridge (Pty) Ltd



AfCTFA	African Continental Free Trade Area
AGD	Audit Guidance Document
AGOA	African Growth and Opportunity Act
AU	African Union
СВАМ	Carbon Border Adjustment Mechanism
Cefic	European Chemical Industry Council
CIAC	Chemistry Industry Association of Canada
CLMF	Chemical Logistics Management Forum
СМР	Codes of Management Practice
CSR	Corporate Social Responsibility
DFFE	Department of Forestry, Fisheries and the Environment
EU	European Union
GFC	Global Framework on Chemicals
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GNU	Government of National Unity
GPS	Global Product Strategy
ICCA	International Council of Chemical Associations
INC	Intergovernmental Negotiating Committee
KPIs	Key Performance Indicators

LSPs	Logistics Convice Providers
	Logistics Service Providers
MoU	Memorandum of Understanding
MPS	Management Practice Standards
PIC	Prior Informed Consent
PSF	Process Safety Forum
QIPs	Quantitative Indicators of Performance
RCGC	Responsible Care® Global Charter
RCLG	Responsible Care® Leadership Group
RCMS	Responsible Care® Management System
RCSC	Responsible Care® Standing Committee
SADC	Southern African Development Community
SAT	Self-Assessment Tool
SHE	Safety, Health, Environmental
SHPF	Severely Hazardous Pesticides Formulations
the dtic	Department of Trade, Industry and Competition
UN	United Nations
US	United States
VAF	Voluntary Advisory Forum
WTO	World Trade Organization



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