



INDUSTRIAL SERVICES



LEADING THE WAY
IN ASSET INTEGRITY MANAGEMENT & INDUSTRIAL SOLUTIONS

www.dgc-africa.com

SOUTH AFRICA

ZAMBIA

DEMOCRATIC REPUBLIC OF CONGO

MADAGASCAR

ZIMBABWE

SAUDI ARABIA

INDUSTRIAL SERVICES



At **DGC AFRICA**, we provide high-quality asset integrity management and industrial solutions across the African continent. With over 50 years of experience in Africa and 115 years as part of the Dickinson Group of Companies, we serve industries such as mining, metals smelting, mineral processing, oil and gas, and power generation. Our focus on innovation, safety, and efficiency has established us as a trusted partner in the industry, committed to supporting sustainable growth and operational excellence for our clients.



**DGC AFRICA PROVIDES
A WIDE RANGE OF
WORLD-CLASS
INDUSTRIAL SERVICES
TO THE MINING, METALS SMELTING,
MINERAL PROCESSING & REFINING
INDUSTRIES
INTERNATIONALLY**

Our portfolio of industrial services is designed to optimize maintenance costs and enhance plant performance for large industrial customers. By offering innovative solutions and leveraging market-leading technologies, we ensure the extended service life of your operating assets, resulting in improved efficiency and reliability.

To support **DGC AFRICA's** mission of providing an integrated and multidisciplinary **“One Personalised Solution,”** we constantly review and develop our services. This approach aims to optimize clients' productivity, safety performance, and regulatory compliance while extending the life of their assets.

DGC AFRICA'S INDUSTRIAL SERVICES COMPRISE OF THE FOLLOWING:

INDUSTRIAL VACUUMATION SERVICES / SILO CLEANING SERVICES / CATALYST HANDLING SERVICES



INDUSTRIAL VACUUMATION SERVICES

DGC AFRICA offers reliable and efficient solutions for cleaning industrial waste and recovering material spillages in the mining, metals smelting, mineral processing, and refining industries. Using heavy-duty vacuum systems, we handle a wide range of substances, including liquids, sludge, chemicals, and industrial products like alumina, coal, and oil spills.

Our **Industrial Vacuumation Services** utilize advanced vacuum trucks and custom-designed systems for both hazardous and non-hazardous materials. This ensures safe and effective clean-up, aiding in operational cleanliness and maintaining high safety standards in plants and mining applications.



THESE SERVICES ARE CRUCIAL FOR
**MANAGING SPILLAGES
& BLOCKAGES,**
WHICH CAN IMPACT
PRODUCTIVITY
& **SAFETY**
WITHIN INDUSTRIAL FACILITIES



Our approach ensures comprehensive and efficient solutions
for material recovery and waste management in various heavy industries.

SILO CLEANING SERVICES

DGC AFRICA provides specialized Silo Cleaning Services for the manufacturing, mining, and mineral processing industries. Our advanced techniques ensure the safe and efficient removal of compacted materials from bulk storage containers, including silos, bins, hoppers, tanks, reactors, and chimneys.



OUR SERVICES INCLUDE
CONSULTING,
PREVENTATIVE
MAINTENANCE
PROCEDURES,
& PROPER CLEANING SCHEDULES
TO ENHANCE OPERATIONAL
EFFICIENCY



Using cutting-edge equipment like the **Cardox CO2 System** and the **SiloWhip System**, we safely clean storage vessels without human entry. These services not only enhance the operational efficiency and safety of storage systems but also comply with environmental standards, making them essential for industries like manufacturing and mining.

SILO MANAGEMENT

Materials stored in silos, such as cement, coal, soda ash, fertilizer, lime, animal feed, salt, or clay, often attract moisture. This moisture causes the materials to bind and adhere to the silo walls or form lumps. Due to moisture and other factors, materials stored in silos can lead to several issues such as bridging, caking, sidewall build-ups, lumps, ratholing, plugging, and funnelling. These problems can restrict and block the flow within the silo, ultimately reducing its storage capacity and negatively impacting production.

Specialist expertise is critical to successful silo management. DGC AFRICA's Silo Cleaning Services utilize innovative technologies to replace traditional, unsafe cleaning methods, eliminating the need for personnel to work inside confined spaces. In addition to relevant experience and know-how, these services require highly specialized equipment.

DGC AFRICA combines specialist cleaning systems to ensure efficient and safe silo maintenance.



CATALYST HANDLING SERVICES

DGC AFRICA provides highly specialized **Catalyst Handling Services** to the mining, metal smelting, and mineral processing industries across sub-Saharan Africa and beyond.

Our heavy-duty catalyst handling equipment, combined with experienced and well-trained personnel, ensures the execution of catalyst handling projects in the most challenging confined and hazardous working environments, adhering to strict health, safety, and environmental protection procedures.

Our **Catalyst Handling Services** are expertly tailored to meet the demands of various industries. We manage catalysts efficiently and safely, utilizing specialized techniques and equipment to ensure high standards of safety and performance. We handle everything from catalyst unloading and screening to reloading, even under challenging conditions.



HAVING SUCCESSFULLY COMPLETED NUMEROUS CATALYST HANDLING PROJECTS WORLDWIDE, OUR TEAM IS EQUIPPED TO ENHANCE PROCESS EFFICIENCIES & REDUCE ENVIRONMENTAL IMPACTS, ENSURING OPTIMAL PERFORMANCE IN ALL CATALYST MANAGEMENT TASKS

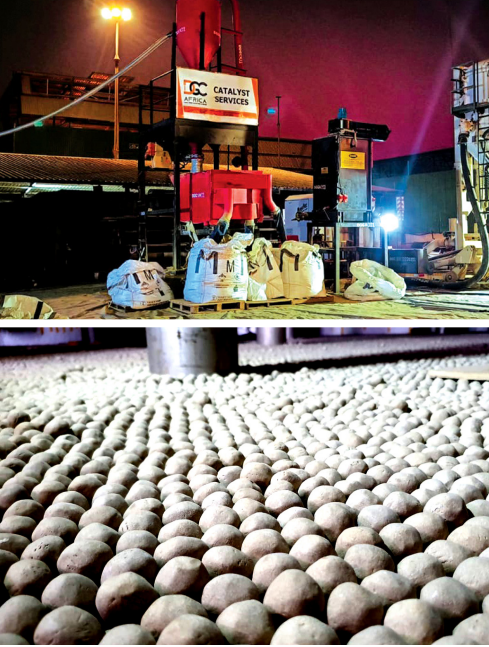


CATALYST UNLOADING

Through excellent project planning, monitoring, control, communication, co-ordination and management, **DGC AFRICA** ensures that catalyst layers are separated according to age and (or) type without cross contamination, harm to personnel or the endangerment of the convertor's structural integrity.



Special barriers are constructed inside convertors for personnel movements while vacuuming to avoid catalyst damage. Vacuumation suction pressure and catalyst velocity are also carefully controlled by our team of experts to avoid catalyst break-age. In addition, our team ensures that all ceramic ball layers are vacuumed separately from the catalyst.



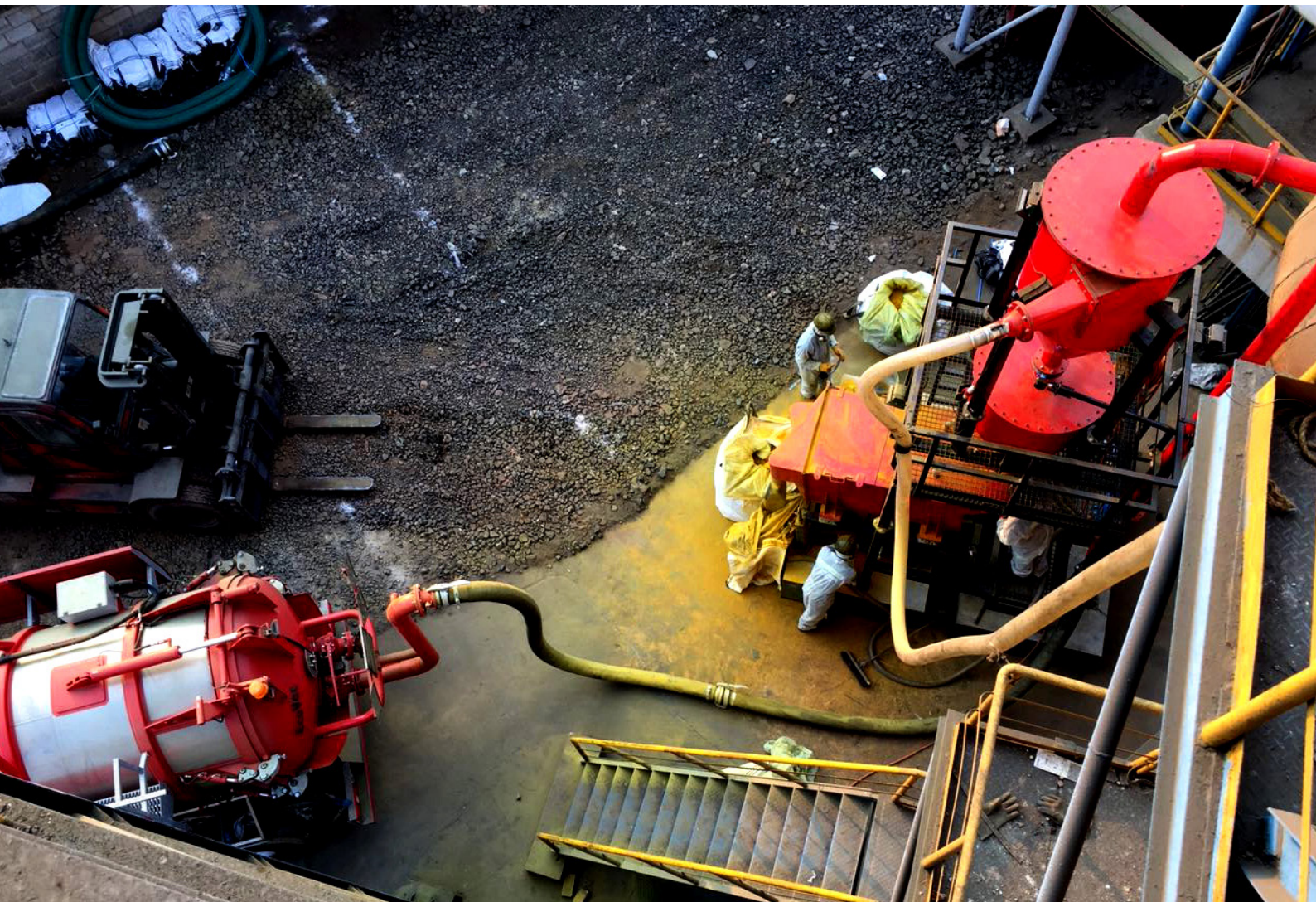
- SCOPE OF SERVICES -
**WE TAKE FULL
RESPONSIBILITY FOR
THE ENTIRE CATALYST
HANDLING PROCESS FROM
UNLOADING,
SCREENING TO
RELOADING**



CATALYST **LOADING**

DGC AFRICA performs both sock and dense catalyst loading. Like in every other stage of the catalyst handling process, quality assurance is given critical attention. Given the hygroscopic nature of catalysts, exposure to the environment is minimized at all costs.

Throughout the loading process, an even distribution of ceramic balls and catalysts on each bed in accordance with the loading diagram is closely monitored and ensured. The loading team puts in place all necessary measures to minimize catalyst breakages, channelling and high pressure drops that may occur due to loading errors.





OUR OFFICES

CONTACT US to learn how DGC can help transform your operations and deliver sustainable competitive advantage.

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OVER A CENTURY OF SERVICE. A FUTURE BUILT ON ENGINEERED RESILIENCE.



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