



DGC MECHANICAL SOLUTIONS LTD

SPECIALISTS IN SMPP, FURNACE REBUILDS
& INDUSTRIAL MECHANICAL 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

LEADING THE WAY IN MECHANICAL & INDUSTRIAL SOLUTIONS

DGC Mechanical Solutions Ltd is dedicated to serving the growing industrial markets of Zambia and the Democratic Republic of Congo. As part of the Dickinson Group of Companies, established in 1910, we draw on over 115 years of engineering heritage. From our base in Zambia, we bring together global expertise and regional insight to support industries such as mining, metals smelting, mineral processing, power generation, and heavy industry.



OUR PHILOSOPHY IS ROOTED
IN SAFETY, INNOVATION,
& EFFICIENCY

Every project we undertake is designed not only to meet immediate operational needs but also to create long-term value for our clients and their stakeholders. By combining deep technical knowledge with a commitment to local delivery, we position ourselves as a trusted partner in one of Africa's most strategically important industrial regions.

OUR SERVICES

COMPREHENSIVE MECHANICAL SOLUTIONS FOR INDUSTRY



At **DGC Mechanical Solutions**, we provide a complete spectrum of mechanical and SMPP services. Our work ranges from large-scale structural and mechanical projects to highly specialised furnace rebuilds.

WE MANAGE THE FULL PROJECT LIFECYCLE - FROM DESIGN & FABRICATION THROUGH TO INSTALLATION, COMMISSIONING, & MAINTENANCE - ENSURING THAT OUR CLIENTS BENEFIT FROM SEAMLESS DELIVERY & REDUCED DOWNTIME



OUR OFFERING INCLUDES



SMPP PROJECTS

Structural, Mechanical, Platework and Piping works that are engineered to international standards and delivered with precision.

FURNACE MECHANICAL EXCELLENCE

Complete turnkey services for submerged arc furnaces, rotary kilns, converters, and metallurgical vessels, including demolition, rebuilds, shell fabrication, cooling systems, and integration with refractory works.



MECHANICAL INSTALLATION & MAINTENANCE

Installation and servicing of mills, crushers, conveyors, pumps, fans, and a wide range of process plant machinery.

TURNKEY PROJECT EXECUTION

Engineering, procurement, construction, and commissioning, enabling clients to work with a single trusted partner from start to finish.



SHUTDOWNS & TURNAROUNDS

End-to-end planning and execution of major shutdown works, ensuring safety, speed, and quality under tight schedules.

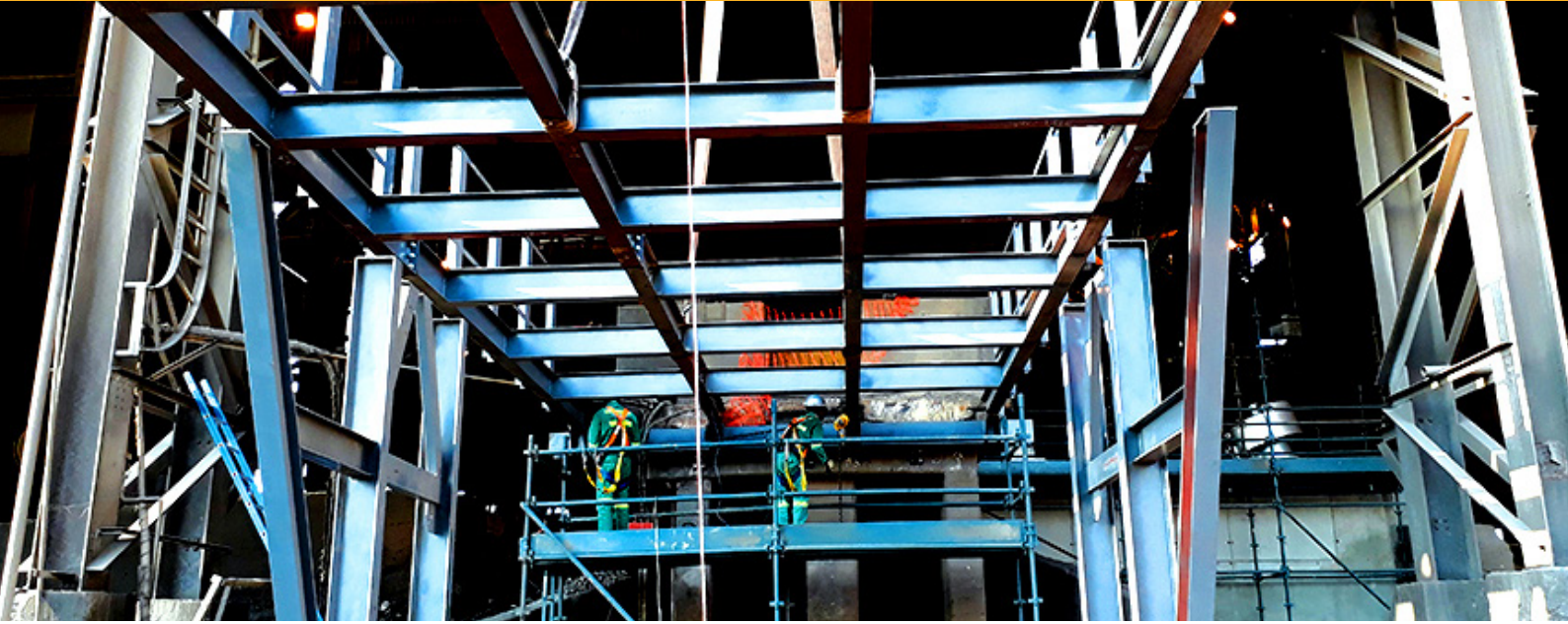
ON-SITE SUPPORT SERVICES

Provision of plant, crane hire, logistics, and mobilisation solutions that give clients the operational support they need.



SMPP SERVICES

STRUCTURAL, MECHANICAL, PIPING & PLATEWORK



OUR SMPP SERVICES EXEMPLIFY DGC'S LONG TRADITION OF **ENGINEERING EXCELLENCE**

We specialise in structural steel fabrication, precision mechanical works, high-performance piping, and complex plate-work installations. Every project is designed to deliver durability, efficiency, and compliance with international standards.



**THROUGH ADVANCED FABRICATION
TECHNIQUES, ACCURATE ALIGNMENT
METHODS, & RIGOROUS QUALITY ASSURANCE,
WE PROVIDE SMPP SOLUTIONS THAT
INTEGRATE SEAMLESSLY INTO MINING
PLANTS, METALLURGICAL FACILITIES,
& INDUSTRIAL OPERATIONS ACROSS THE COPPERBELT**

FURNACE MECHANICAL EXCELLENCE

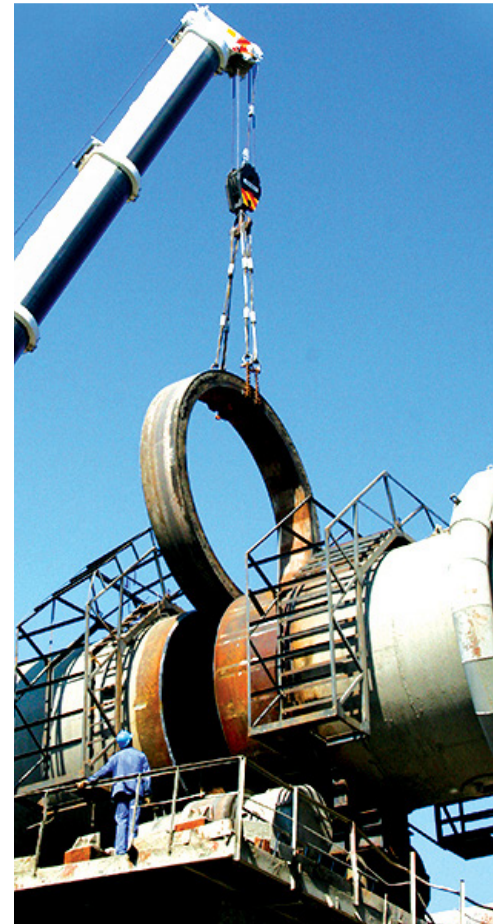
OUR CORE SPECIALITY

Furnace mechanical projects lie at the very heart of our reputation. With more than a century of experience in furnace rebuilds and optimisation, **DGC Mechanical Solutions** delivers solutions that keep high-temperature industrial processes operating at peak performance.

We manage the full scope of furnace services: demolition and rebuilds, shell fabrication, cooling system upgrades, component optimisation, refractory integration, and emergency repair services. Our teams have the expertise to work on submerged arc furnaces, rotary kilns, metallurgical vessels, and converters, ensuring that each rebuild or upgrade enhances efficiency, extends lifecycle, and improves safety.

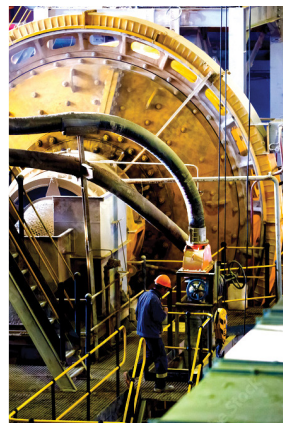
**BY COMBINING TECHNICAL EXCELLENCE
WITH PRACTICAL SITE EXPERIENCE,
WE HAVE ESTABLISHED OURSELVES
AS A LEADING PARTNER**

FOR SMELTERS & METALLURGICAL OPERATIONS IN ZAMBIA & THE DRC



INDUSTRY-SPECIFIC SOLUTIONS

We understand that each industry faces unique challenges. That is why our services are carefully tailored to the requirements of our clients across key sectors.



- **In mining and mineral processing**, we deliver mill relining, conveyor optimisation, and predictive maintenance strategies that improve throughput and reduce unplanned downtime.
- **In the metals and smelting sector**, we specialise in furnace rebuilds, high-temperature process management, refractory integration, and compliance solutions for slag and off-gas handling.
- **For heavy industry**, we provide equipment relocations, foundation designs, and plant upgrade services that improve operational resilience and efficiency.

**THROUGH THIS SECTOR-SPECIFIC APPROACH,
WE HELP OUR CLIENTS ACHIEVE
OPERATIONAL CONTINUITY, COST EFFICIENCY,
& SUSTAINABLE GROWTH**



REGIONAL PARTNERSHIPS

LOCAL COLLABORATION FOR STRONGER DELIVERY



Operating in Zambia and the DRC, we recognise that successful industrial projects depend on meaningful localisation. We strengthen our offering through collaboration with established regional partners who bring extensive plant, crane, and logistics resources. By combining their local capabilities with our SMPP and mechanical expertise, we are able to reduce mobilisation costs, increase deployment speed, and enhance project capacity.



**THIS COLLABORATIVE MODEL ENSURES THAT WE DELIVER
COMPETITIVE, INTEGRATED SOLUTIONS
THAT ARE TAILORED TO THE REALITIES OF OPERATING IN THE COPPERBELT**

Through these regional partnerships, DGC Mechanical Solutions ensures agile mobilisation and on-the-ground delivery. Yet our true strength lies in being part of the wider Dickinson Group of Companies — a network that integrates complementary technical disciplines and enables clients to access complete, end-to-end industrial solutions under one umbrella.



SUPPORTING SERVICES

THROUGH THE WIDER DICKINSON GROUP OF COMPANIES, OUR CLIENTS BENEFIT FROM A COMPREHENSIVE PORTFOLIO OF INDUSTRIAL SOLUTIONS, INCLUDING:

ASSET INTEGRITY MANAGEMENT

Condition monitoring, CMMS integration, MRO optimisation, oil analysis, and maintenance planning.

INDUSTRIAL SERVICES

Catalyst handling, silo cleaning and industrial vacuumation.

INDUSTRIAL LININGS & PRODUCTS

Wear and corrosion-resistant linings, ceramic composites, acid brick systems, weld overlays, and refractory anchors.

ENGINEERING DESIGN & RETROFIT

Detailed design, mineral processing engineering, reverse engineering, and retrofit services for kilns, vessels, and process plants.

HEAVY LIFTING & TRANSPORT

Crane hire, engineered heavy lifts, and transport logistics.

WORKFORCE SOLUTIONS

Recruitment, artisanal training, and workforce development to strengthen localisation and sustainability.

EQUIPMENT HIRE

Through Talisman Equipment Zambia, we provide access to a wide range of tools, equipment, and light plant, enabling clients to reduce capital costs while ensuring reliable site operations.

THIS INTEGRATION OF SPECIALISED SERVICES ENSURES THAT DGC CAN SUPPORT CLIENTS ACROSS THE ENTIRE INDUSTRIAL VALUE CHAIN



COMMITMENT TO EXCELLENCE

EXCELLENCE IS NOT A GOAL, BUT A STANDARD AT DGC MECHANICAL SOLUTIONS

From the design office to the project site, we embed a culture of safety, sustainability, and operational discipline.

- **Our zero-harm culture** ensures the wellbeing of employees and contractors.
- **We prioritise sustainability**, implementing environmentally responsible practices across all projects.
- **Through ISO 9001:2015 certified processes**, we guarantee consistency, reliability, and continuous improvement.
- Our methodologies are designed to reduce downtime, optimise performance, and ensure long-term client value.





TECHNOLOGY & INNOVATION

We believe that the future of industrial services lies in technology-enabled solutions. At DGC, we apply predictive maintenance tools, IoT-enabled sensors, and digital monitoring systems to give clients real-time insights into asset performance.



BY COMBINING ADVANCED DATA ANALYTICS WITH DECADES OF ENGINEERING EXPERIENCE, WE DELIVER SOLUTIONS THAT INCREASE EFFICIENCY, MINIMISE RISK, & POSITION OUR CLIENTS FOR LONG-TERM COMPETITIVENESS IN RAPIDLY EVOLVING INDUSTRIES



OUR OFFICES

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

E contactus@dgc-africa.com

DGC INTERNATIONAL

E International@dgc-africa.com

3rd Floor, Ebene Skies
Rue de L'institut
Ebene, Republic of Mauritius

DGC ZAMBIA

T +260 761 83 2470

Plot 1035-1037, Shop 1,
Blantyre Road, Light Industrial Area,
Kitwe, Zambia

DGC MADAGASCAR

T +261 32 112 2122

Lot Ivx 30 Bis Ankazomanga rue
Dr Raseta Antananarivo, 101,
Madagascar

DGC SOUTH AFRICA

T +27 16 421 3720

10 Smuts Avenue,
Vereeniging,
1930, South Africa

DGC DEMOCRATIC REPUBLIC OF CONGO

T +243 8996 49 493

KOLWEZI OFFICE

118 Avenue Kalima, Quartier Mutoshi,
Commune Manika / Kolwezi

LUBUMBASHI OFFICE

199 Avenue Mubanzo Quartier;
Golf Malela. Commune Lubumbashi,
Province du Haut-Katanga, République
démocratique du Congo

DGC ZIMBABWE

T +263 772 514 480

311 Esap Way,
Willowvale
Harare, Zimbabwe



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



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