



FURNACE REBUILD PROJECTS

A LEADING PROVIDER OF SPECIALIST FURNACE REBUILD PROJECTS.

DGC has more than 90 years' experience in providing turnkey furnace rebuild projects. The Group was founded in 1910 as a building construction company and in 1928 the company constructed one of South Africa's first Blast Furnaces, which marked the beginning of the company's furnace business.

The company has been extensively involved in the initial construction and shutdown projects on industrial furnaces for the metals smelting, mineral process, power generation and petrochemical refining industries throughout sub-Saharan Africa, and internationally in numerous countries around the globe, including the Middle East, Scandinavia, Latin America, Russia and CIS Countries.



**AT THE FOREFRONT
OF TECHNOLOGY,
THE GROUP COLLABORATES
WITH LEADING ENGINEERING
AND DESIGN COMPANIES,**
procuring, manufacturing & installing refractory materials, which
comply with stringent quality specifications, safety standards
and are cost effective for the application.

SCOPE OF SERVICES

The scope of services on turnkey furnace rebuild projects for major furnace outages include:

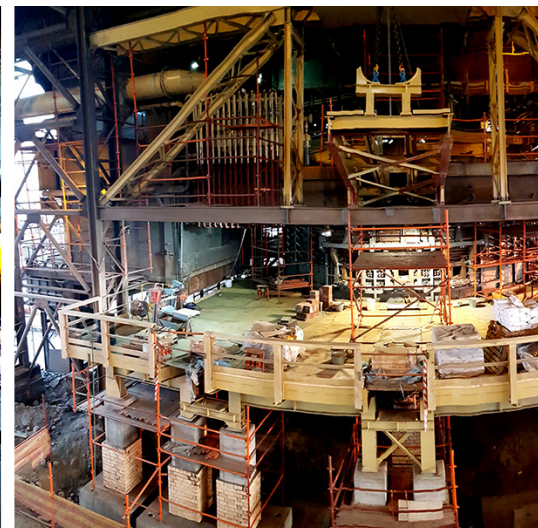
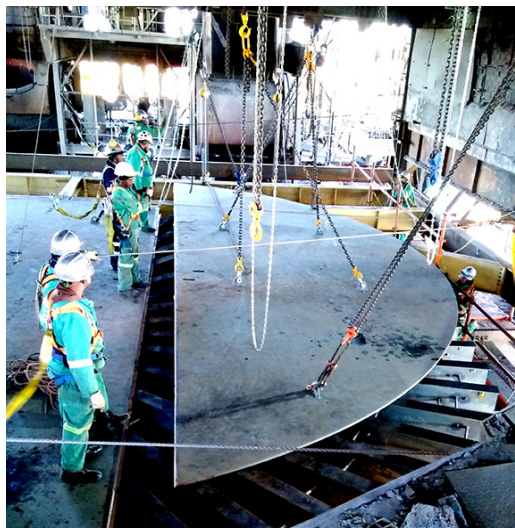
- Project and construction management
- Salamander tapping, controlled furnace decommissioning and cooling
- Civil and structural works
- Electrical and instrumentation works
- Mechanical, structural, steel and piping dismantling, fabrication and erection
- Refractory materials management, including selection, procurement, and testing
- Quality assurance and control systems
- Demolition of furnaces, removal of refractory linings, and waste management
- Design, manufacture and installation of anchor systems
- Manufacture of customised precast refractory shapes
- Installation of refractory materials
- Hot and cold furnace repairs
- Hot sealing and insulation
- Drilling and installation of thermocouples
- Drying and curing of refractory linings
- Furnace start-ups and commissioning





PROVIDING **TURNKEY** SERVICES

The company provides Turnkey Furnace Rebuild Project Services for major furnace outages which cover the entire scope of work including but not limited to; project and construction management services, furnace decommissioning, salamander tapping, furnace demolition and refractory installation, civil, electrical, mechanical fabrication & erection works and furnace commissioning.



With experienced management, expert supervision, highly skilled motivated personnel, state-of-the-art equipment and standard operating procedures with a high regard for health, safety, environment and quality; the company offers clients cost-effective and tailor made integrated solutions. DGC renders professional turnkey services to large, global, diversified minerals processing and metals smelting companies.

BENEFITS

- Safe project implementation – Zero Harm is the goal
- Rapid response times
- Reduced downtime and higher plant availability
- Integrated project implementation
- Project quality and completion guarantees
- Significant production-cost savings





INTEGRATED SOLUTIONS

The company takes sole responsibility for the entire scope of work and deliver the furnace rebuilt and ready for operation accordingly.

This integrated and multidisciplinary service includes:

- Shutdown planning
- Construction management
- Project management
- Shutdown management
- Tender and project management of subcontractors

Our Furnace Projects team's experienced professionals will plan, execute, control and manage the entire furnace rebuild project. The dedicated team employ modern tools and project management software to safely manage a rebuild in the shortest possible time. Dickinson Group of Companies provides a consolidated and integrated solution; offering multi-disciplinary services on turnkey furnace rebuild projects.

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A FURNACE REBUILD REQUIRES A WIDE VARIETY OF SKILLS & EXPERTISE. IT TAKES A DEDICATED TEAM OF PROFESSIONALS TO SUCCESSFULLY OVERSEE.

COST
 Ability to control operational costs and deliver within budget



FLEXIBILITY
 Ability to react to new requests and requirements



SPEED
 Ability to complete work quickly and in accordance with expectations



QUALITY
 Ability to deliver work to expected quality standards



INNOVATION
 Ability to develop new and creative solutions that fulfil business needs



DEPENDABILITY
 Ability to deliver projects and outcomes according to expectations

