Introduction

Dickinson Group of Companies was founded in 1910 followed by the establishment of its furnace service business in 1928. The company has more than 85 years experience in providing Specialist Furnace and Industrial Services to the mining, metals smelting, mineral processing, thermal power generation and petrochemical refining industries.

VISION

Dickinson Group of Companies’ Vision is to be a Leading provider of Furnace and Industrial Services

MISSION

Dickinson Group of Companies’ purpose is to provide an integrated and multidisciplinary “One Personalised Solution” by offering essential furnace and industrial services, which increase productivity and performance together with reducing costs for our customers.

CERTIFICATION

Dickinson Group of Companies is certified to OSHAS 18001
Dickinson Geographic Presence - Footprint

Office Locations
• Dickinson South Africa
• Dickinson Mozambique
• Dickinson Zambia
• Dickinson Kenya
• Dickinson Mauritius
• Dickinson Tanzania
• Dickinson Indonesia
• Dickinson Philippines
• Dickinson Tianjin China

Representative Offices
• Ethiopia
• DRC
Dickinson Office & Workshops
Products and Services
Industrial Sectors

- Copper & Ferro-Nickel Smelter Services
- Glass Furnace Projects
- Blast Furnace Casthouse Services
- Power Plant Services
- Rotary Kiln Services
- Cement Plant Services
- Aluminium Smelter Services
- Waste Heat Recovery Technology
Industries we serve

- Aluminium
- Glass
- Platinum
- Iron, Coke and Steel
- Copper
- Ferrochrome & Ferromanganese
- Cobalt
- Heavy Sands
- Nickel
- Power Plants
- Lead Smelter
- Cement & Lime
- Chemical & Petrochemical
- Power Generation
- Vanadium
- Ceramic
- Refractory Manufacturing
Global References

Logos of various companies associated with the global references.
Refractory Installation Services

- Over 80 years of experience
- Meeting critical project completion schedules
- Exceeding safety and environment expectations
- Delivering projects within budget and deadlines
- Technical support
- Project management
- Stock management
- Procurement
- Supply of skilled artisans and labour
Scope of Work

- Pre-shutdown Inspection and scope identification
- Refractory Materials Management including selection, procurement, and testing
- Installation of Refractory materials
- Specialized Refractory Bricklaying
- Vibrocasting and Installation of castables
- Shotcreting, high density and Pneumatic gunning
- Ramming Installations
- Dense Pneumatically Applied Castable
- Specialized formwork manufacturing - Steel / Wood / Polystyrene / Polyurethane
- Drying and curing of refractory linings

Dickinson Group of Companies provides a consolidated and integrated Refractory Installation solution
Integrated Project Solutions: Benefits

Benefits:
- Safe project implementation – Zero Harm is the goal
- Rapid response times
- Reduced downtime and higher plant availability
- Project quality and completion guarantees
- Dedicated team with a wide variety of skills and expertise
Furnace Types

Dickinson Group has undertaken numerous major furnace rebuild projects on various pyrometallurgical vessels including:

- Electric arc furnaces
- Six-in-line furnaces
- Isamelt furnaces
- Blast furnaces
- Combustion stoves
- Holding and melting furnaces
- Roasters and Sinter plants
- Anode baking furnaces
- Flash furnaces
- Induction furnaces
- Rotary kilns and Cement plants
- Glass furnaces
- Reheating furnaces and Boilers
Electric Arc Furnace Refractory Installation

Ramming

Bricking
Furnace Bottom Reline
Furnace Walls Erection
Furnace Walls and Tap Holes Erection
AC Electric Arc Furnace Rebuild

- Reline in Progress
- Refractory Installation on the Floor
- Refractory Installation
- Bottom Reline
- Installation on the Sidewalls
- Installation on the Tapholes
Six-In-Line Furnace
Isasmelt Refractory Installation

Isasmelt Refractory Installation by use of 6061-T6 Aluminum Multi-point Suspended Platform
Isasmelt Refractory Installation
Glass Furnace Rebuilds
Glass Furnace Rebuilds
Cement

Kiln Hood and Kiln Outlet

Cyclone
Cement
Precast Bull Nose Installation
Precast Kiln Hood Installation

- Modular Design
- Faster Installation
- Ease of Repair
- Controlled Dry Out
Roasters

Refractory Installation

Ceramic Fiber Installation
Roasters
Dome Rebuilds

Mould Installation
Dome Rebuilds

Refractory Installation
Aluminium

Anode Baking Furnace
Aluminium

Refractory Installation
Specialized Formwork and Drying Facilities
## Dickinson Group Attributes and Benefits

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<th>Dickinson Group Attributes</th>
<th>Benefits</th>
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| OSHAS 18001 Certification    | - Enhanced safety and health record  
                              - World class maintenance practices |
| Company : More than 85 years’ experience in specialist furnace and industrial services | - Quality, guaranteed  
                              - Reduce down time and frequency of short shutdowns on an annual basis  
                              - Enhanced Preventative Maintenance planning  
                              - Over 1 million man working hours per year on maintenance services |
| Global Alliances             | - Latest technology applications  
                              - State of the art maintenance equipment  
                              - Competitive pricing on refractory materials, equipment and spares |
| State of the Art Equipment   | - Increased shutdown efficiency  
                              - Reduce down time |
| Global Footprint             | - Access, experience and availability across the world  
                              - Priority service convenience |
| ISO9001 Certified products  | - Quality guaranteed |
| Specialist and experienced personnel | - Reduced shutdown duration  
                              - Confident budgeting  
                              - Maintains highest level of optimum equipment performance |
| Inherent Innovative Culture  | - Continual focus on product and methods development |
| One Personalised Solution    | - Consolidated and Integrated Plant Maintenance Services |
Dickinson Group of Companies provides a “One Personalised Solution” and strives to be your preferred partner and supplier.

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