



MINING AND MINERAL SOLUTIONS



Engineered Innovation



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# rmce

Consulting Civil, Structural and Project Engineers

Established in 1999, RMCE has a successful track record in **professional consulting engineering services** in both Civil and Structural engineering. RMCE services a wide range of private, corporate and government organizations - nationally, Africa-wide and abroad.

We are committed to delivering **innovative, flexible and integrated solutions** and to continue being a leading engineering services provider. RMCE is regarded as a trusted partner by its clients and associated industry practitioners.

RMCE is involved in the following sectors:

- ▶ Mining and Minerals
- ▶ Industrial
- ▶ Commercial
- ▶ Telecommunications
- ▶ Retail
- ▶ Residential

Core Competencies:

- ▶ Reinforced and pre-stressed concrete
- ▶ Earth retaining structures
- ▶ Reinforced and plain masonry
- ▶ Structural steelwork
- ▶ Wind sensitive structures
- ▶ Roads
- ▶ Stormwater management and infrastructure
- ▶ Water retaining structures
- ▶ Silos, Bunkers and Saites
- ▶ Residue Storage Facilities
- ▶ Planning and feasibility studies
- ▶ Construction Management
- ▶ Contract administration
- ▶ Cost engineering

- ▶ RMCE is certified as **ISO 9001:2008** compliant for all of its services.



▶ **RMCE delivers a trusted, world-class mining service that exceeds expectations**



RMCE's comprehensive and bespoke mining solutions are set apart through our strengths in the following:

- ▶ Innovative engineering design
- ▶ Mining infrastructure
- ▶ Project development, integration and management
- ▶ Construction management
- ▶ In-depth understanding of mining and mineral projects and clients' needs
- ▶ Relationships with key technical providers
- ▶ Experience in many African countries and abroad

**MINING  
ENGINEERING  
CAPABILITY**

CONCEPT  
FEASIBILITY  
DETAILED DESIGN  
COST ENGINEERING  
CONSTRUCTION MANAGEMENT

BULK INFRASTRUCTURE  
MATERIALS HANDLING  
STOCKPILING AND RECLAMATION  
BULK UTILITIES  
ROADS AND EARTHWORKS  
WASTE MANAGEMENT

RESIDUE STORAGE  
SURFACE AND SUB-SURFACE INFRASTRUCTURE  
FEASIBILITY STUDIES  
QUANTITY ESTIMATION  
PROJECT COSTING  
FORENSIC DESIGN AND OPTIMISATION

Project Experience ranges from conceptual design development through to execution of civil and structural works associated with the following commodities:

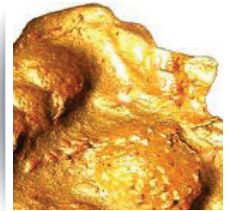


**COAL**

Civil and structural design of coal processing plants, overland conveyor systems, bunkers, staiths, silos, materials handling solutions, site infrastructure, ash dumps and bulk residue storage facilities, pit to port solutions.

**GOLD**

Civil and structural design of gold processing plants, roads and earthworks sub-surface infrastructure, site-wide infrastructure, materials handling solutions, decline shafts, winders, forensic and remedial engineering.



**PLATINUM**

Civil and structural design of PGM processing plants, roads and earthworks, site-wide infrastructure, materials handling solutions, silos, water purification plants, backfill plants, sub-surface infrastructure.

**CHROME**

Civil and structural design of chrome processing plants, large diameter thickeners, surface infrastructure, storm water management, roads and earthworks.



**PETROCHEMICAL**

Project Experience in pipelines and studies.

**IRON ORE**

Civil and structural design of bulk storage and reclaim facilities, off-shore loading facilities, bulk materials handling, pelletizing plant civil and structural design, ship off loaders, conveyor systems and processing plants, pit to port solutions.

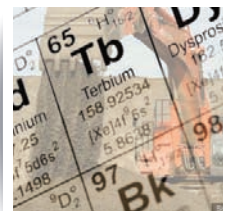


**BASE METALS**

Civil and structural design of processing plants, backfill plants, large diameter pre-stressed thickeners.

**MINERAL SANDS AND RARE EARTH**

Civil and structural design of process plants, design and build solutions, site infrastructure, materials handling and conveyor systems.

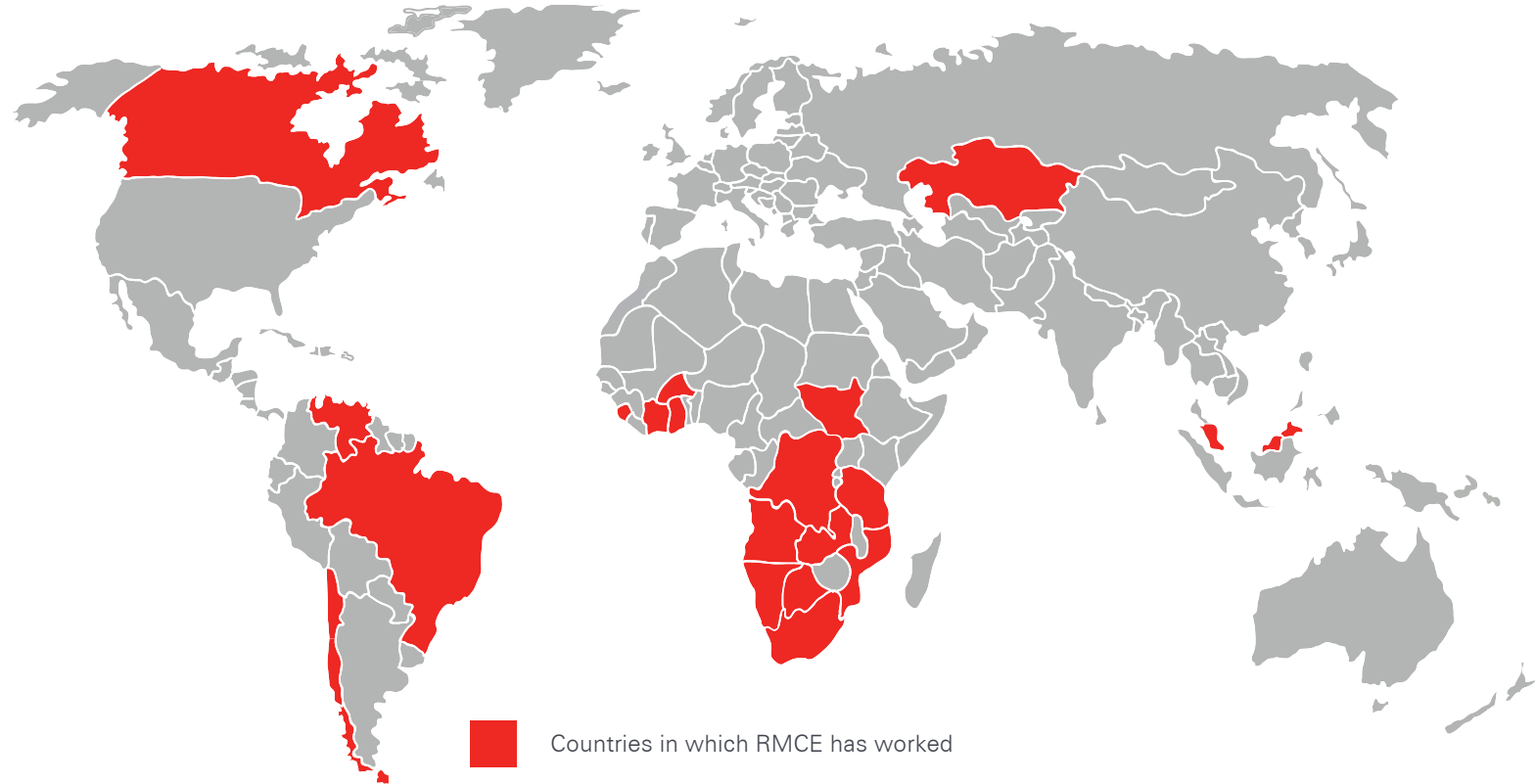


**DIAMONDS**

Civil and structural design of diamond processing plants, modular plants, plant optimisation, materials handling and storage, roads and earthworks, waste management and disposal, surface infrastructure.



RMCE has competencies in some of the most advanced 3D draughting, design and analysis software in the market.



## CLIENTS AND PARTNERS

Anglo American, AngloGold Ashanti, Anglo Coal, Anglo Platinum, Aveng Mining, De Beers, DemcoTech Engineering, DRA, ENRC, Epoch Resources, Eskom, Exxaro, FLSmidth, GCS, GeoTail, Goldfields, Harmony, Kangra Coal, Kumba, LSL Tekpro, MDM Engineering, Paterson and Cooke, PPM, Randgold Resources, Rio Tinto, Sasol, SNC-Lavalin, Stefanutti Stocks, Tenova, Tharisa Minerals, The MSA Group, Tronox, Vale, Xstrata.





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