

COMPANY PROFILE

Mine Development, Labour Hire
& Construction



RAPHAN MINES
INDUSTRIES
& TRISTON

MINING
LIMITED



Our Business

Rapha-Nissi Industries Limited is a diverse business providing a range of services to the mining sector and industry, throughout Zambia. Rapha-Nissi has operated since 23rd November 2009 with our head office located in Kitwe. We have experienced excellent growth and developed a reputation of excellence in the market place. We are a progressive innovative leader in mining and are committed to establishing and providing long term cost efficient partnerships. We are also a preferred partner for many companies.

We are committed to providing superior, timely and cost efficient services both to the mining sector and industry. Some services provided include but not limited to the following; -

- Long hole drilling
- Underground coring/ Exploration
- Labour Hire
- Construction
- Long hole drilling
- Mine Development (Primary & Secondary)
- Underground support
- Desludging (ponds, water drives, dams etc)

Safe Work Philosophy and Quality Management

Rapha-Nissi Industries Limited progressive management approach to safe production has established it as an industrial leader in implementing and maintaining a safe culture and safe working environments.

Rapha-Nissi management practices reflect our safety philosophy, which includes: -

- Safety is a management responsibility, comprehensive yet practical, safety standards which define various safe procedures and management practices
- Competence through training to ensure that everyone understands accepts and meets these standards
- Audit and inspections to evaluate implementation of standards
- Involvement and empowerment throughout our organization to build ownership of safety practices

Rapha-Nissi's safety management systems (SMS) support this philosophy and support the safety management system through their daily actions

Rapha-Nissi's safety record is testament to our continuous drive for

excellence.

Rapha-Nissi has embraced several measures of safety management.

This includes: -

- Severity rate-12.5
- Client audits-average of 94% compliance
- Hazard identification compliance-98%
- Job safety card compliance-98%
- Management self-audits-average of 90% compliance
- Inspection completion - 98.5%

Rapha-Nissi's quality management system integrates throughout all our systems as fundamental approach of how we conduct business.

It is Rapha-Nissi's policy to provide a quality service to the satisfaction of all its clients; meeting established standards, scheduled programs and providing cost effectiveness.

Rapha-Nissi is committed to the implementation and sustaining of quality system that conforms with the requirements of ISO 9001, 9002 and environmental ISO 14001.

The Company we keep

Rapha-Nissi carries out established long term service partnership and contracts as well as more specific scope oriented competitively

tendered works.

Rapha-Nissi is able to provide and sustain effective and cost-efficient partnerships. These partnerships have included developing relationships for mining companies such as Kagem Mining, Konkola Copper Mines and Gecamines DRC (KAMOTO exploration project).

Mining Services

Rapha-Nissi Industries is a progressive and innovative leader in contract mining, mine development /production, exploration drilling surface/underground and mining services

Rapha-Nissi is performing various types of mining services in partnership based contracts for major clients. This has included various types of mining and development works, performed traditionally under schedule of rates.

Partnering arrangements have reduced cost for clients and shared risks. This has resulted in early completion of project work, within budgetary and time constraints without contractual issues.

Our goal is to establish long term relationships with our clients in order to provide them with flexible mining services on continuing bases.

Underground Diamond Core Drilling

We extract [underground core samples](#) that mine geologists use to determine reef location and ore quality. The mines base their development planning on these samples, which in turn, determines the mine's *economic viability*.

Rapha-Nissi Industries offers competitive and professional drilling services and is recognised as the supplier of choice to the mining industry.



Diamond Core Drilling for Mining Exploration

Rapha-Nissi uses a drilling method known as continuous coring for mining exploration. In this method the core produced by the cutting action of the bit goes straight into the rod string. Water is pumped down to the bit on the outside of the rod string and returns to the drill via the inside of the rods. The water pressure from the return

water is enough to push the core to the top of the rod string where it is retrieved by the driller. Continuous coring results in much higher levels of productivity as there is no down-time when core is

retrieved from the core barrel. It is important to note that continuous coring works very well in relatively homogeneous rock formations. It is not successful as a technique in badly fractured and faulted ground.

FLEET OF RIGS

We use Boart Longyear rigs the LM 75 and LM 90

Our modular coring rigs and mobile platforms make it easy for drill crews to safely move from site-to-site. The Boart Longyear LM series of modular diamond drill rigs (LM75, LM90,) feature easily interchangeable components, allowing for space constraints without sacrificing depth requirements. The standard modular design includes a mobile platform in order to service larger underground mines and provides for more efficient moves between drill site

DEEP CORING

We can accommodate projects to over 1,800-meter angle and vertical hole projects

DIRECTIONAL DRILLING

We perform directional drilling as well

UNDERGROUND CORING FLEET

DRILL RIG	DEPTH UP	DEPTH DOWN	DEPTH HORIZONTAL
LM 75	305M	887M	837M
LM90	981M	1500M	970M

Ask the Experts

Rapha-Nissi provides experienced people, effective machinery and proven systems to safely and economically retrieve samples for all mining exploration and core drilling projects.

We ensure compliance with all relevant legislation and regulations, as well as our client requirements. We are dedicated to pro-actively managing our risks through a structured Risk Assessment process in order to anticipate, minimise and control Occupational Health and Safety Hazards, thereby promoting a culture of "Zero Mind-set" (all

accidents are preventable) and eliminating repeat accidents. For us safety is not negotiable and it is this attention to safety and high level of productivity that sets us apart from our competitors.

Employment

General employment

Rapha-Nissi has a commitment to the development and wellbeing of its employees, integrity in its business dealings and success & prosperity in the mining and construction industries.

Recruitment of rapha-Nissi personnel is based on merit in fair and open competition without patronage, favoritism or discrimination.

Rapha-Nissi is an equal employment opportunity employer

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