




GOLD CAPABILITY

A large-scale industrial facility, likely a gold processing plant, is shown at night. The complex is illuminated by numerous bright lights, highlighting its intricate network of pipes, scaffolding, and structural elements. A prominent feature is a large, arched structure in the center. In the foreground, there's a dark, rocky area with some greenery. A green diagonal graphic element separates the image from the text on the right.

DRA Global has a long association with the gold mining industry, the organisation can undertake the design of gold mines and gold plants for any application, size or complexity. Over the past decade DRA Global has developed a team of leading gold processing engineers who are at the forefront in engineering to supply gold plants across Africa and the rest of the world.

DRA Global has established itself as the leading supplier of gold plants to the African continent, by completing gold projects in Ghana, Tanzania, the Democratic Republic of the Congo (DRC) and Liberia.

The organisation has undertaken gold studies and developed gold extraction routes by directing test work at well-known metallurgical laboratories in Canada, South Africa and Australia.

The team of gold processing engineers is well experienced in the design of gold plants, which use processes such as:

- / Heap leaching
- / Gravity concentration
- / Flash flotation
- / Carbon-In-Leach (CIL)
- / Pyrite and Arsenopyrite flotation
- / Elution
- / Cyanide detox and arsenic removal

In addition, specialists boast expertise in the processing of refractory ores.

Due to well-established relationships with equipment suppliers and commercial laboratories worldwide DRA Global's process designs are well regarded and known for their optimal and cost effectiveness.

The organisation is adept at training client operators in the commissioning and running of gold plants.

» [Find out more](#)

A photograph of a gold processing plant, showing a long, elevated conveyor belt system with metal railings and yellow safety handrails. The plant is situated in a dry, arid environment with a large pile of reddish-brown earth or ore in the background. A green diagonal graphic element is overlaid on the left side of the image.

// COST EFFICIENT GOLD PROCESSING DESIGNS

// Case Study Project **Elikhulu Gold Mine**

Client: Pan African Recourses
Location: South Africa
Scope: Engineering, Procurement and Construction Management



DRA Global has successfully executed the engineering, procurement and construction management of the R1.74 billion Pan African Resources project, ahead of schedule and within budget. The Elikhulu project mine and metallurgical facility will process an estimated one-million tons of ore monthly with a projected output of approximately 55 000 ounces of gold per month.

This signature project which broke ground in August 2017 created over 400 permanent jobs, involved 3.5-million man-hours, 2 000 tons of steel, 40 000 m³ of concrete and 5 000 000 m³ of earthworks.

Advanced management of this low-cost, long-life project was executed by DRA Global, which included detailed engineering, procurement, construction and full commissioning of the Elikhulu plant and the tailings facility. DRA Global completed the project in 12 months and within the forecasted budget.

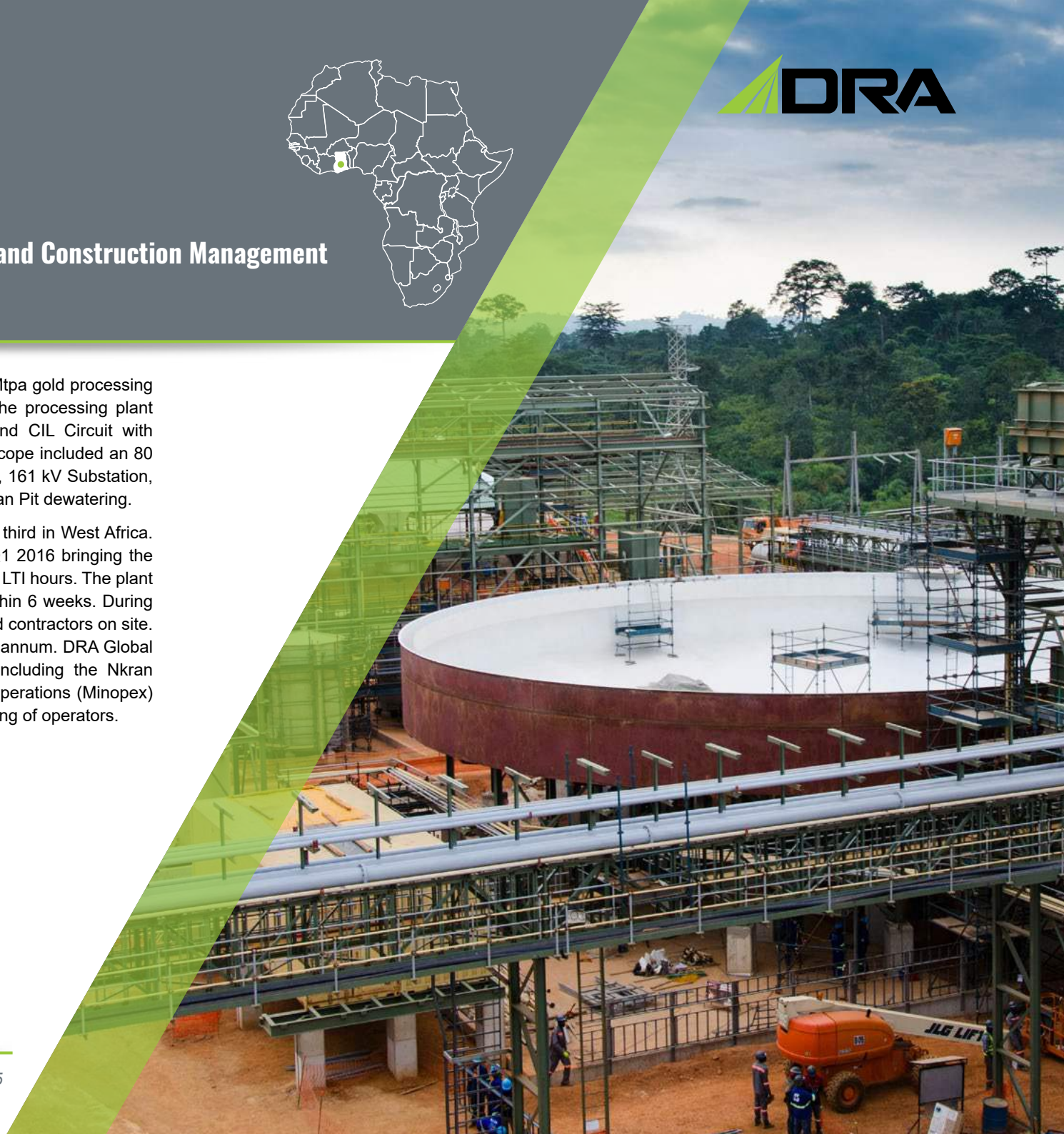
// Case Study Project Obotan Gold Mine

Client: Asanko Gold
Location: Ghana
Scope: Engineering, Procurement and Construction Management



DRA Global was awarded the EPCM contract for the 3 Mtpa gold processing plant located in the West Ashanti Region of Ghana. The processing plant consists of a primary crushing facility, SAG Milling and CIL Circuit with associated services and infrastructure. In addition, the scope included an 80 ha lined tailings dam, 30 km overland 161 kV power line, 161 kV Substation, workshops, stores, other plant infrastructure and the Nkran Pit dewatering.

This was DRA Global's second gold plant in Ghana and third in West Africa. DRA Global achieved the set targets, pouring gold in Q1 2016 bringing the plant online under budget with a safety record of 5 million LTI hours. The plant was commissioned and ramped up to full production within 6 weeks. During construction DRA Global, managed 2 400 employees and contractors on site. The process plant now produces 190 000 oz of gold per annum. DRA Global also implemented all associated mine infrastructure, including the Nkran Open Cast pit design and Mine planning. DRA Global Operations (Minopex) continues to assist Asanko with plant operation and training of operators.



// Case Study Project New Liberty Gold Mine

Client: Aureus Mining
Location: Liberia
Scope: Engineering, Procurement and Construction Management



DRA Global extended its African gold track record through the full EPCM contract for the Aureus Mining, New Liberty gold project. New Liberty is located within the Bea-MDA property, in Grand Cape Mount County in the north-western portion of the Republic of Liberia, approximately 100 km north-west of the capital, Monrovia. The project objective was to provide a gold processing facility that will be capable of handling a nominal tonnage of 90 000 tpm throughput of ore.

DRA Global has been involved at the New Liberty project since its inception in May 2011, and was on site until commissioning in 2015. This was yet another project where DRA Global was responsible for various services, from total mine infrastructure development of a processing plant to the diversion of the Marvoe Creek away from the open cast pit, and the tailings storage facility. Despite some of the extreme challenges of implementing a project in Liberia, DRA Global managed to mitigate all risks and handed over the plant to Aureus Mining for full production in Q3 2015.



// Case Study Project **Yaramoko Gold project**

Client: Roxgold
Location: Burkina Faso
Scope: Engineering, Procurement and Construction



DRA Global was awarded, on an EPC basis, the contact for the design review, procurement, construction and commissioning of the Yaramoko gold processing plant and related infrastructure. The Yaramoko gold processing plant is situated 200 km southwest of Ouagadougou in Burkina Faso, with an annual throughput of 270 000 tonnes per annum.

The feed ore to the plant is characterised by high levels of alluvial gold. The project was hot commissioned in less than 12 months from the contract being awarded. On completion the project team had poured 1 900 cubic meters of concrete, erected 230 tonnes of structural steel, 95 tonnes of plate works, installed 17 000 meters of piping and 24 000 meters of cabling, shipped 120 sea containers of equipment and construction materials.





ABOUT

DRA Global is a diversified global engineering, project delivery and operations management group, with an impressive track record spanning over three decades. Known for its collaborative approach and extensive experience in project origination and delivery, as well as turnkey operations and maintenance services, DRA Global delivers optimal solutions that are tailored to meet clients' needs. With expertise in the areas of project development, mining, minerals and metals processing, plant optimisation, operations & maintenance and related water, energy, and infrastructure requirements, DRA Global delivers truly comprehensive solutions to the resources sector. DRA Global employs over 4000 people and offers flexible engineering, project delivery and operations & maintenance management services through offices worldwide.

HEALTH, SAFETY & ENVIRONMENT

The health, safety and well-being of all stakeholders is central to DRA Global. At the heart of its safety culture is **People-Based-Safety**. This ethos highlights the safety of people and the communities in which DRA Global operates as a priority in every action. DRA Global continuously find new ways to improve on past results. In an effort to develop new ideas and ways of thinking, to share experiences and findings, DRA Global has developed a safety, health and environmental (SHE) management system that, while custom-made for DRA Global's operations, is aligned with the international standards of OHSAS 18001.

RISK MANAGEMENT

DRA Global's risk management processes are aligned with ISO31000 requirements and provide the flexibility to adopt risk methodologies of clients in an effort to meet all stakeholder requirements. The organisation's risk management approach employs several techniques to ensure design outcomes meet safety, health and environmental requirements as well as operation and production objectives. These comprehensive procedures ensure the optimum delivery of a sound design solution including the suite of HAZOP processes (Hazard and Operability Study), SWOT (Strength, Weakness, Opportunity and Threats Analysis) and FMEA (Failure Mode and Effects Analysis).

CAPABILITIES

// Minerals & Metals Processing // Mining // Operations & Maintenance // Infrastructure // Ports & Marine // Energy // Water // Agriculture

info@draglobal.com
draglobal.com



AMER REGION

Toronto +1 416 800 8797
Montreal +1 514 288 5211
Pittsburgh +1 724 754 9800

APAC REGION

Brisbane +61 732 364 157
Perth +61 861 635 900
Mackay +61 7 4963 7777
Beijing +86 10 8476 4375

EMEA REGION

Johannesburg +27 11 202 8600
Cape Town +27 21 285 0100
Saudi Arabia +966 11 481 9001
Mauritius +230 263 2920

Namibia +264 61 224 725
Zimbabwe +263 242 446307
Ghana +27 11 202 8600

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