UKWAZI

we do mining

company profile

Ukwazi is a multi-disciplinary, one-stop advisory company with a successful track record built over more than 20 years.

We add value by delivering pragmatic and cohesive studies for bankability and constructability to our mining clients in Europe, Middle East and Africa.

What we do

At Ukwazi, we are committed to a bottom-up technical study approach to create mines that function as cohesive and well-integrated businesses. This approach best achieves the project objectives, given the unique techno-economic constraints and opportunities for each client and their project.

In our experience, it is clear that bankable mining projects are those that were considered as an integrated whole, and not just as a combination of the individual parts. Studies based on a cohesive mine configuration differentiates them from those that solely rely on the individual design packages such as the mine workings and a process plant.

We believe that to be successful, mining projects require technical excellence coupled with sustainable practices. We collaborate with our clients to deliver bespoke, multi-disciplinary solutions that maximise value while minimising environmental impact and social risk.

Our approach

Ukwazi's approach is informed by the geographic location of the project, its stage of development, style of mineralisation, mining method and process technology.

We strongly believe that our unique organisational design, where our specialists are configured into highly effective and permanent groups, give us a significant advantage in the mining sector. This matrix of expert 'Superteams' is best suited to the scope and requirements of each new project and enables us to mobilise and adapt swiftly to project dynamics.

Our service offering

- Integrated project management & controls
- Public & compliance reporting
- Mining engineering
- Surface & underground infrastructure
- ESG & integrated mine closure
- Transaction advisory services

Bankable feasibility studies

The mining feasibility process involves a staged approach to evaluate the techno-economic viability of mining projects. This process allows for technical trade-offs to deliver the best configuration on a mine to market basis.

We believe that successful feasibility processes are well integrated and deliver compliant studies that fit the strategic objectives of the relevant stakeholders while achieving implementation requirements and funding approvals.

Our rigorous bankable feasibility studies meet the international reporting standards and the expectations of financial institutions and investors.

Mining engineering

Our mining Superteams consist of experienced operational staff and technical specialists to deliver expert, software-independent mine designs for any of the relevant mining methods world-wide.

Our surface mining teams are experienced in small- and large-scale open pits and opencast mines based on dry and wet mining methods.

Our underground mining teams are uniquely experienced, ranging from conventional and mechanised tabular mining methods to the massive mining and caving methods typical of massive-type poly-metal deposits and kimberlite pipes. Our collaboration agreement with Beck Engineering allows us to deliver a one-stop, specialist cave modelling service.

Transaction advisory services

We provide comprehensive, strategic guidance for mergers, acquisitions, and investment decisions in the mining sector. From a mining perspective, technical due diligence studies are focused on multi-disciplinary investigations into the technical disciplines that form part of the mining value chain.

We apply four levels of due diligence to match the client's requirements with the depth of review and stage of the transaction. Whether for acquisitions, financing, or corporate reporting, our commitment to excellence ensures that stakeholders receive appropriate and credible valuation and transactional insights.

Public and compliance reports

We prepare public reports (such as CPR's, PEA's, ITR's and the technical sections of IAR's) that are used to inform (potential) investors and their advisers to make reasoned and balanced judgments regarding mining projects and operations.

Our Qualified Persons (NI 43-101/CIMVAL), Competent Persons and Competent Valuators (SAMREC/ SAMVAL and the SAMESG guideline, JORC/VALMIN) are experts in this field and have sound reputations for delivering code-compliant public reports that appropriately reflect the risk and value of the project at hand.

Surface and underground infrastructure

We deliver end-to-end mechanical, civil, structural, electrical and instrumentation designs that form part of the overall mine block plan. This includes crusher installations, bulk materials handling infrastructure, workshops, general buildings, access roads, civil works, terracing, dams, pumping infrastructure, road intersections, bridges, stores, and access to bulk services supply.

For underground mines, we design shaft and hoisting systems, men, material and rock handling systems, ventilation fan and cooling/ heating infrastructure, lamp rooms, access control systems, water reticulation systems, crushers, conveyors, services, workshops, winder systems and bulk services.

ESG and integrated closure

We integrate environmental, social, and governance considerations throughout the mining lifecycle, helping clients develop responsible practices that benefit local communities, while satisfying regulatory requirements and stakeholder expectations of a post closure economy and eco-system. We support our mining clients to achieve their ESG goals while navigating the complex regulatory landscapes.

Our forward-thinking approach to mine closure planning considers environmental rehabilitation, community transitions, and post-mining land use to create positive legacies beyond the life of mine.

contact

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Whether you're developing a greenfield project, optimizing an existing operation, or evaluating a potential acquisition, Ukwazi provides the expertise and guidance to help navigate the complex challenges of modern mining.