
WADICO COMPANY
FOR MINERAL RESOURCES
AND OIL SHALE
FROM A TO Z
MINING SERVICES
WADICO
FOR MINERAL RESOURCES AND OIL SHALE
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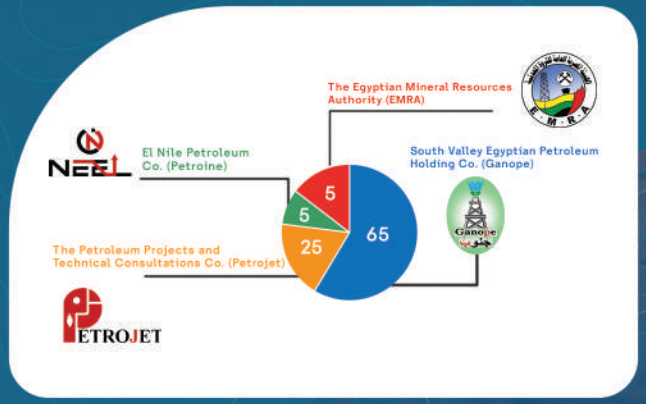
WADICO MINING

SERVICES FROM A TO Z

ABOUT WADICO

Was Established in May 2007 as an Egyptian Joint Stock company, Under the Umbrella of the Ministry of Petroleum and mineral resources to Works in Various Mineral Resources Activates.

SHAREHOLDERS



GANOPE (65%) **PETROJET (25%)** **EMRA (5%)** **PETRONEEL (5%)**

WADICO RESOURCES

Our dedicated teams excel in

- Preparation & Office Work
- Geological Surveys
- Exploration (Drilling & Samples Description
- Mineral Ores Analysis.
- Pre-Feasibility and Feasibility Studies (Reserves and Financial Assessments)
- Extraction (Selective of Mining & Equipment Optimization)
- Production (Preparing Mineral Ores for Various Industrial Applications)

EQUIPMENT:

- Mining Exploration Drilling Rig, Model FRASTE (MX-140) .
- Heavy Equipment (Loaders, Dumpers and Excavators)

SURVEYING DEVICES & Software:

- Hardware: Total Station, GPS and Multi-Stations
- Software: (GIS, Rock Wok; Surpac, Mine X, Work Station, Key Mine & Global Mapper)

LABORATORY DEVICES:

State-of-the-art Laboratories equipped with advanced tools to analyze the Chemical and Physical Properties of Mineral Ores

PRODUCTION LINES:

- Crushing Line: Increasing Phosphate ore Concentration.
- Separation Line: Concentrating and Producing kaolin from Kaolinite Sand

MINING FOR OTHERS

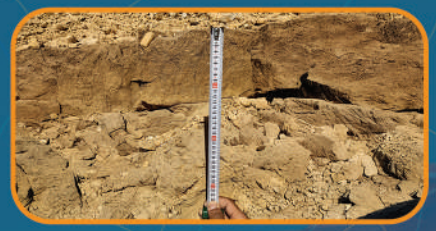
EXPLORATION

Preparation & Office Work

- Identifying and Selecting prime concession areas using geological and topographic maps, supported by GIS and Global Mapper software.
- Generating precise coordinates for concession areas based on geological maps.
- Reviewing previous studies and research relevant to identified concession areas.

Ground Exploration & Fieldwork

- Conducting geological expeditions to the mineral resources concession area.
- Determining the topography of the area (elevations,depressions,hills
- Identifying Ore & understanding the nature of the existing rocks, determining their types and the geological formations.
- Determining the thickness of the Ore and taking sample for analysis.
- Analyzing the samples to determine the concentrations of Ore present in them.



Key Insights

The Initial exploration phase provides:
- Geological, Geochemical and Geophysical Data on Mineral Resources.
- Recommendations for future exploration and development.

Drilling

- Designing a comprehensive Drilling Plan, Including Cutting and Core Drilling techniques.
- Establishing a Borehole Network and segmenting the Area into blocks for phased Exploration.
- Marking borehole locations on-site for precise implementation.

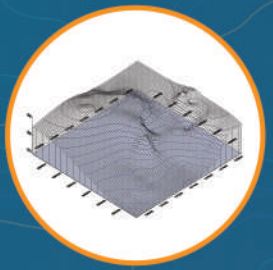
Outcomes

- Layer thickness assessment.
- Estimation of overburden Quantities.
- Analysis of the Ore composition and distribution across layers.
- Comprehensive lithological description of the concession area.

FEASIBILITY STUDY

Evaluation

Analyzing geological and geochemical data to estimate Ore reserves using advanced geological and surveying software.



Deliverables

A detailed technical report includes:
- Quantitative and qualitative assessments of Ore reserves.
- Classification and categorization of mineral resources in the concession Area.

Pre-Feasibility / Feasibility Studies

- Conducting thorough financial, technical, marketing, and legal evaluation.
- Initiating production activities only after integrating recommendations from economic feasibility analyses.

EXTRACTION

Optimizing Extraction Processes

- Leveraging specialized software (AutoCAD, Land, Civil 3D) to create efficient extraction planes.
- Establishing detailed extraction schedules and monthly production targets.

Key Outcomes

- Designing selective mining techniques for optimal resource utilization.
- Conducting detailed surveys to calculate overburden and Ore volumes.
- Preparing robust storage solutions for extracted ores.

PRODUCTION

Enhancing Production Efficiency

- The required size and technical efficiency of the equipment for actual production are determined.
- A production schedule and monthly production rates are established

Key Insights

- Implementing quality-focused production techniques.
- Classifying products to meet market demands.

Boosting Ore Quality

- Designing advanced production lines to enhance Ore quality.
- Supervising sampling processes from production lines for consistency.
- Aligning products classifications with specific market requirements.