

Geology and Mining Services Capability Statement





- A decade of experience in mining sector mineral value chain
- Diversified expertise in value chain of mining operations
- Physical presence and offices in Pakistan and Kingdom of Saudi Arabia
- Specialist services in geology, mining, environment, industry feasibilities and hydrology
- 62 projects executed successfully in different parts of the country since the company's inception in exploration and mining operations
- Offering fully customized and client's need driven proposals and solutions
- Single-window solution organization

Key Facts About HTMA

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MAPLE LEAF CEMENT



Dandot Cement Company Limited

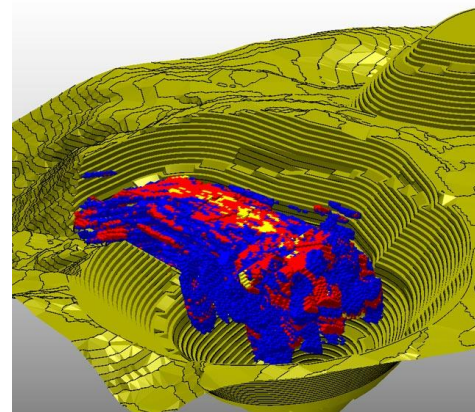


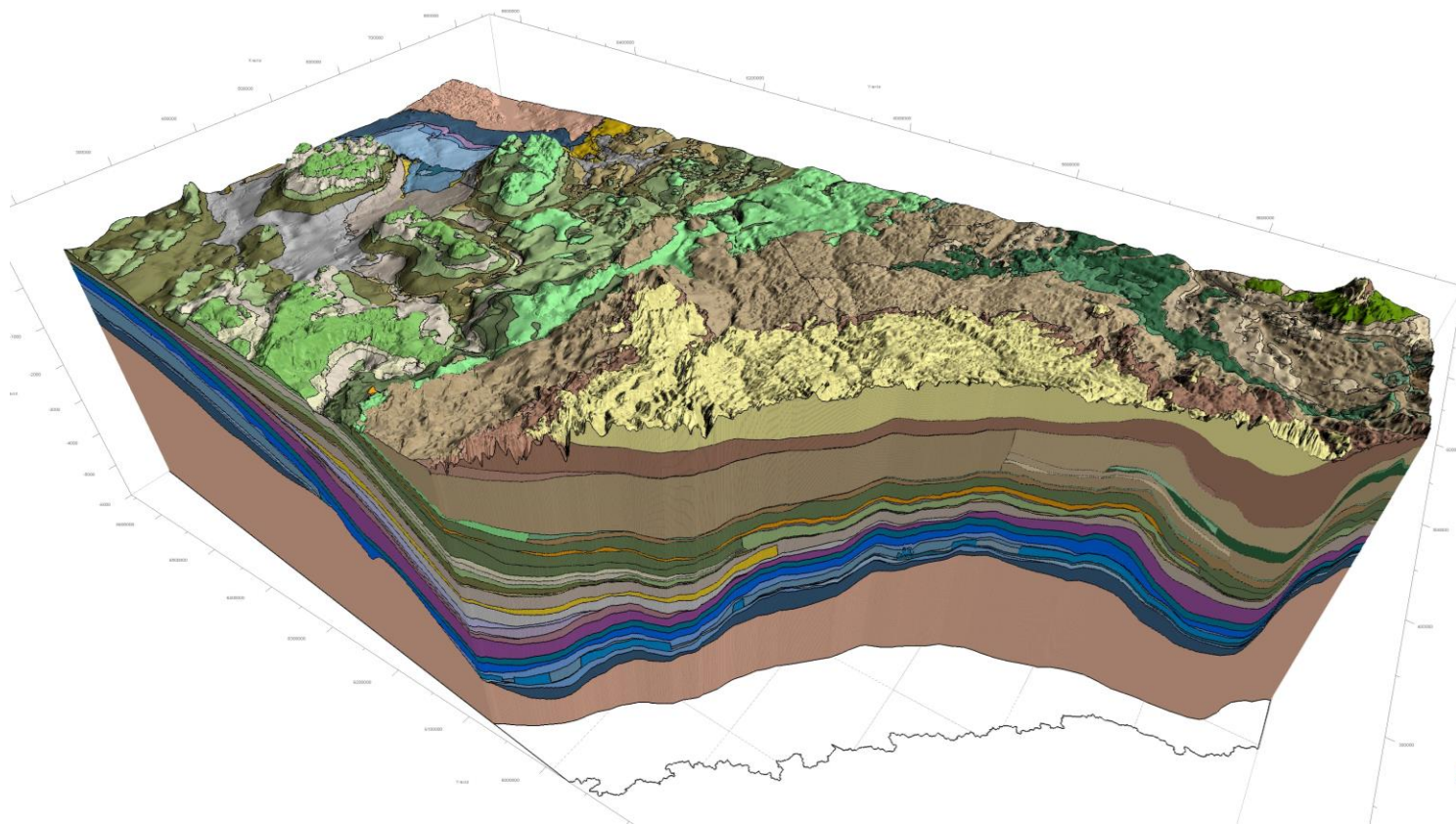
Global Cement



Specialist Services

- Geology & Resources
- Exploration Services
- Mining
- Environmental Studies
- Hydrological Studies
- Mineral Processing and Plant Production
- Land Acquisition
- Mine Operational Assistance





Geology & Resources

- Topographical Mapping
- Surface Geological Mapping
- Exploration Planning and allied Activities (drilling)
- Geological Modelling
- Resources and reserve estimation
- Independent reporting and due diligence

Topographical Survey



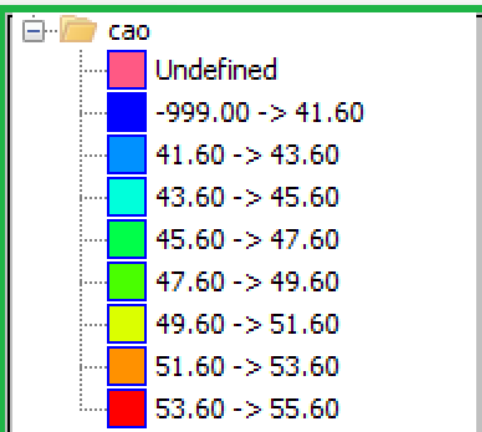


Geotechnical & Exploration Drilling

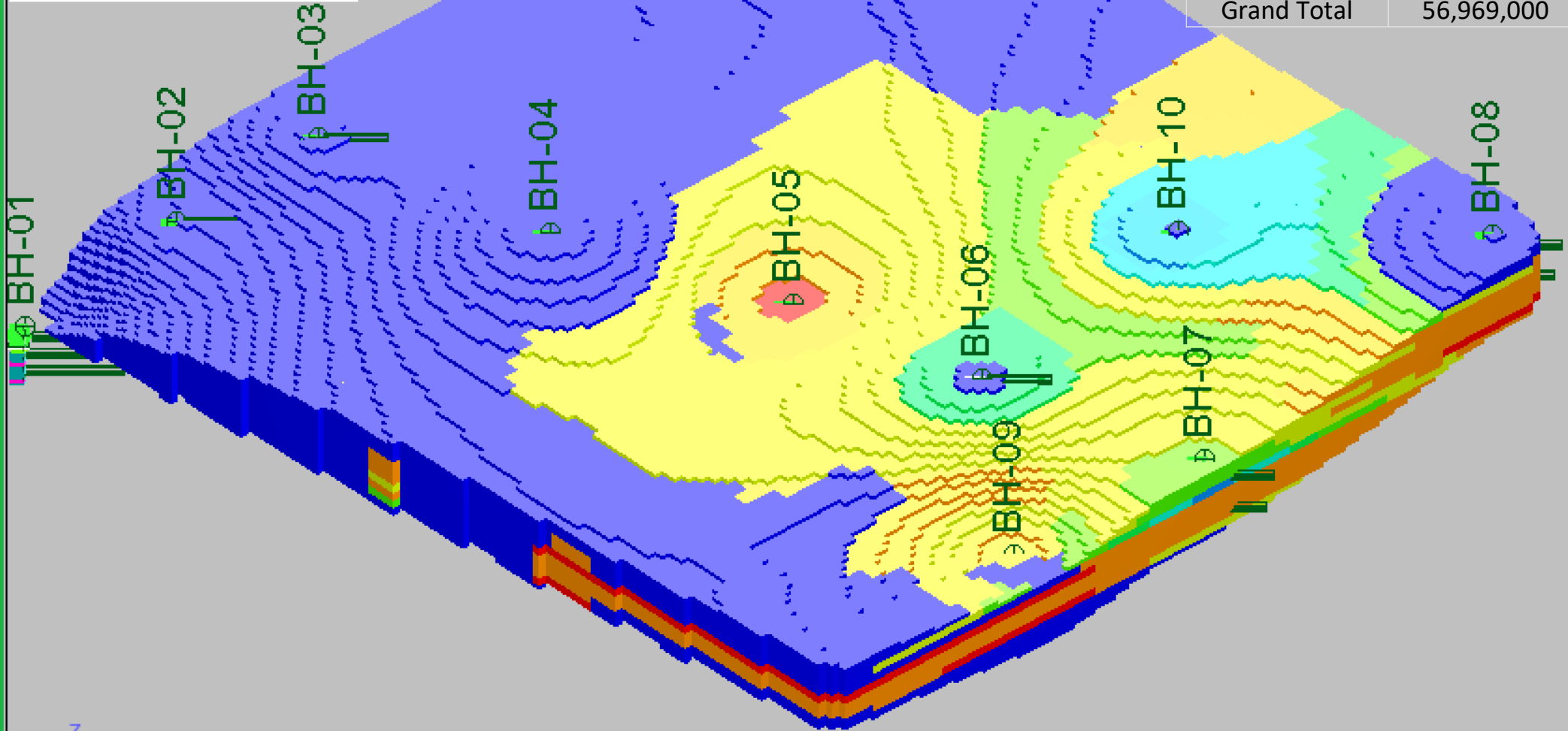
- Mineral Exploration
- Geotechnical Investigation
- Soil and foundation engineering
- Geophysical Services

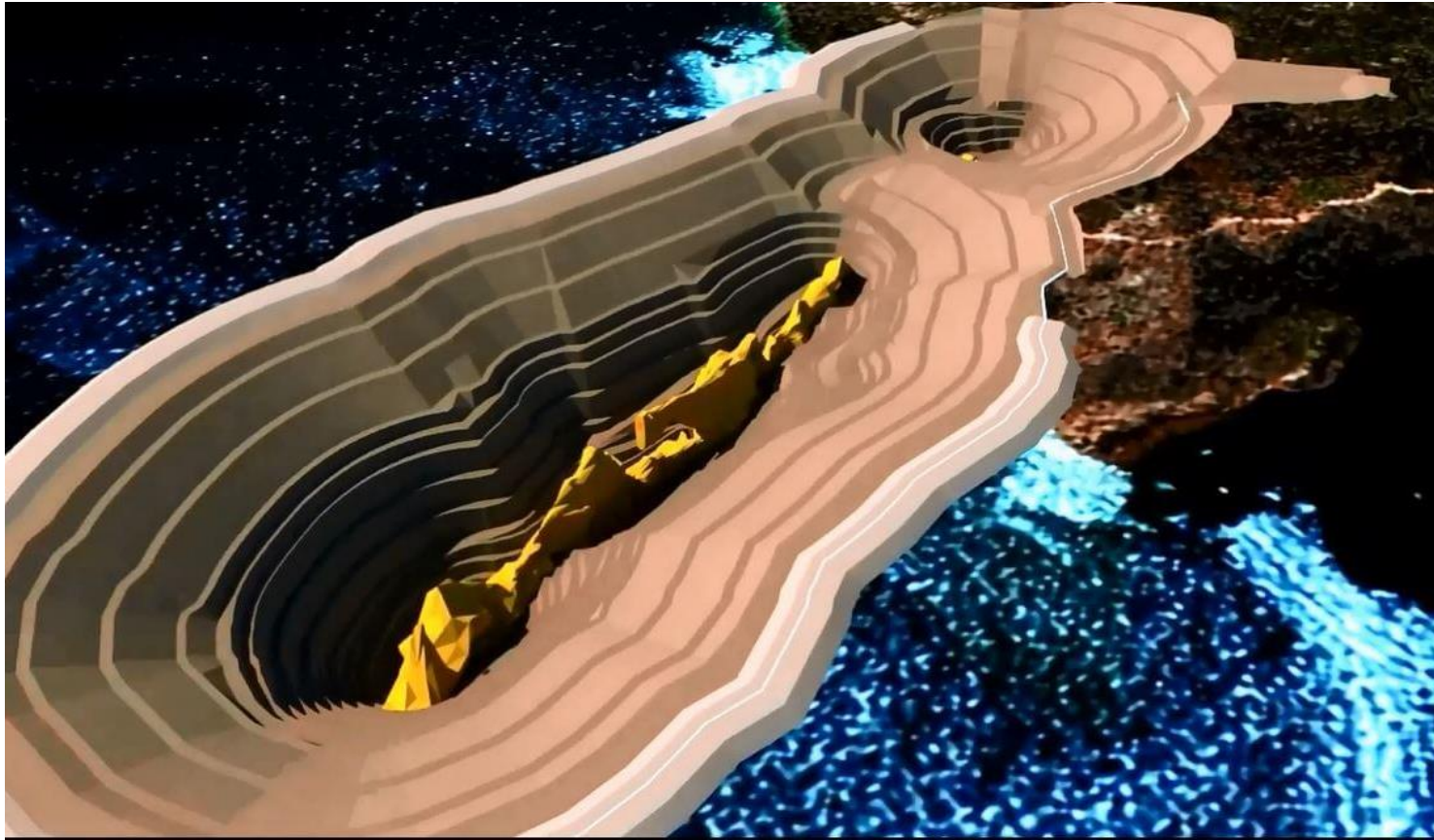
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Cao Grade	Volume	Tonnes	Cao (%)
42.0 -> 44.0	294,500	677,350	44
44.0 -> 46.0	231,500	532,450	45
46.0 -> 48.0	498,500	1,146,550	47
48.0 -> 50.0	2,158,500	4,964,550	49
50.0 -> 52.0	14,093,500	32,415,050	51
52.0 -> 54.0	39,232,500	90,234,750	53
54.0 -> 56.0	460,000	1,058,000	54
Grand Total	56,969,000	131,028,700	52





Mining

- Mine feasibility studies / bankable documents
- Selection of Mining Methods
- Quarry Optimization
- Quarry design
- Mine planning and scheduling
- Mine technical audits
- Mine Operations Monitoring
- Mine Safety Audits
- Risk assessment and management



Mine Operational Assistance

- Open pit and underground technical assistance
 - Mine design and optimization
 - Equipment selection and production scheduling
 - Drilling & blasting design and optimization
- Open pit and underground operational assistance
 - Broad commodity experience
 - Geology, mine engineering and mine operations
 - Drilling and blasting, grade control, operational set-up and optimization
 - KPI development, best practices
- Processing and metallurgy
 - Grinding optimization / trade-off studies
 - Ore recovery assessment / optimization

HSE Compliance

- Appropriate personnel protective equipment PPEs while executing any type of job or doing normal operational activities.
- Displaying safety signs for safety purposes.
- Development of site specific safe operating procedures (SOPs) and Implementation of emergency response plan (ERP) procedures.
- Hold a site induction safety meeting for all employees before work commences.
- Drillers and helpers use gloves for handling wire rope and drill rods etc.





- Mining industry focus with target-based approach
- Unparalleled expertise and experience
- Global experience combined with local presence
- All-encompassing range of services: from exploration to closure
- Unwavering credibility with financiers and regulators
- Staunch commitment to excellence
- Comprehensive solutions in alliance partnerships
- Strong and long-lasting relationships with clients and industry partners

Why choose HTMA?

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Digging for Better Solutions

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