



EGC

Exploration Geological Consulting

Exploration Geological Consulting (Pty) Ltd (EGC) is a Mineral Exploration and Mine Development services group based in South Africa. EGC is a group of specialist exploration and mine development professionals that have successfully discovered mineral resources and have experience with a range of mine development studies. EGC has a depth of experience in Australia, Africa and the Americas.

The group offers the following technical services:

1. Geoscience
2. Exploration management
3. Mine project study management
4. Digital support
5. Project brokerage
6. Merger and acquisition strategy and management
7. Environmental practices and protocols
8. Hydrogeology
9. Acid mine leachate

EGC services the minerals exploration, mining, environmental and scientific industries.

EGC Director Regina Molloy has 25 years experience as an exploration and development geologist having worked on numerous projects from mineral discovery to Mineral Resource Classification and mine development studies in a range of commodities.

Regina has worked for the world's largest down to the world's smallest mining companies fulfilling technical, advisory and managerial roles in developed as well as emerging economies. Regina's key technical strength is the evaluation of geological data to determine the most efficient critical path to prove if a project has the potential to become a tier 1, tier 2 or a small profitable mine. This type of work requires in-depth knowledge and experience with project economics and how to evaluate limited and often ambiguous exploration data.



SERVICES

EGC offers the following project support services:

1

Geoscience

- a. Project Generation
- b. Technical project due diligence
- c. Project reviews and assessments

Numerous studies completed in Africa, Australia and USA.

Mineral exploration investment reviews for mining, private and public investors.

Commodity experience includes gold, base metals (lead, zinc, copper, cobalt, nickel), platinum, bauxite, titanium, tin, BIF and itabirite iron ore, coal, graphite, rare earth elements, uranium, lithium & potash brine systems and industrial minerals.

2

Exploration Management

- a. Field Geology
- b. License-permit applications
- c. Exploration program design & management
- d. Reporting of exploration results

Diverse geographic-commodity exploration project management experience.

Exploration project management assistance, deep level of expertise in Africa.

Our model is to work with clients to ensure the best chance of exploration success in the shortest time frame.

Key strength: our depth of experience, we run efficient and cost effective exploration programs which deliver results as early as possible.

Expertise includes field mapping, soil sampling, ground and airborne surveys, seismic operations, all types of drilling, geo-metallurgical, maiden Mineral Resources and Ore Reserves, mine concept PFS/PEA studies etc.



3 MINE PROJECT STUDY MANAGEMENT

- a. Mineral Resources
- b. Ore Reserve

Mine Resource studies including Concept and PFS-PEA mine development studies.
Qualified Competent Person for a range of commodities.
Compliance reporting

4 DIGITAL SUPPORT

- a. GIS database design & management
- b. 2D & 3D project assessment
- c. Cross Section plotting

Expert GIS database design using ESRI software.
Remote project GIS data base management.
2D & 3D assessment of geological datasets including geology, surface samples, geophysical, geochemical and drill hole data.
Conversion of historical data into digital formats.
Geological cross section drafting.
Map drafting.

5 PROJECT BROKERAGE

including

Funds Raising
Information memorandums & Prospectus

Exploration and mine investment is high risk, complex and multi facet and requires in depth knowledge and experience to be successful.

We assist project owners to obtain investment capital via project brokerage. Our expertise is knowing what type of projects investors are looking for, how to present the important aspects of the project and how to negotiate market rate capital agreements.

We conduct project level technical due diligence and then negotiate prospective projects into an investment agreement. We call this project brokerage. All our agreements are tailored according to our time involved in the process and our existing investor relationships. We work with international projects and a range of international investors.



6

M&A STRATEGY AND MANAGEMENT

Merger and Acquisition (M&A)

- Due diligence assessments
- Risk assessments
- Management of financial evaluations

Our team have worked in Senior management of large companies and have served as Board members for junior mining companies. We have extensive experience in corporate mine and exploration transactions.

7

ENVIRONMENTAL PRACTICES AND PROTOCOLS

- Risk identification and management strategies.
- Baseline study management
- Coaching national appointed environmental partners
- Technical peer review of environmental reports

International expertise in managing exploration and mine development environmental and community programs where studies are based on practical and sustainable solutions that have proven long term environmental or community benefits.

Our style is to work with the national team on how to achieve industry standard practices, ensure reports are produced to acceptable standards for prompt mine permit award and establish good relationships with interested and affected parties.

8

HYDROGEOLOGY

- Water census, groundwater flow modelling, risk management, dewatering design and implementation
- Hydrogeological flow modelling
- Feasibility study drilling and modelling

Extensive experience in geohydrological field assessment, testing and detailed numerical modelling and reporting. Impact and risk assessments as well as environmental decision making and sustainability assessments.



9

ACID MINE LEACHATE

- Mineralogical and geochemical sampling and assessments of ore and tailings.
- Mine leachate chemical and hydrogeological modelling
- Sampling protocols and monitoring

Acid Mine Leachate is one of the largest environmental risks mining companies need to responsibly manage yet companies struggle to produce and maintain a leachate model commonly due to a lack of subject matter knowledge.

We assist companies to get started with establishing mineralogical and geochemical predictive mine leachate models over the life of mine, and/or existing stock piles.

We help companies establish their predictive leachate models and how to design a management program to responsibly manage. We work closely with hydro-geologists and geo-chemists to produce and maintain a project specific geochemical model.

CONTACT DETAILS

Exploration Geological Consulting (Pty) Ltd
27 Adrienne Street, Sandown 2196, Gauteng, South Africa

Email: office@egcsouthafrica.com

Website: www.egcsouthafrica.com

Cell: +27 (0)797 107 489 [WhatsApp]

Linkedin: Exploration Geological Consultancy (Pty) Ltd

Skype: reggie1402

Time zone: UTC (GMT)+2