

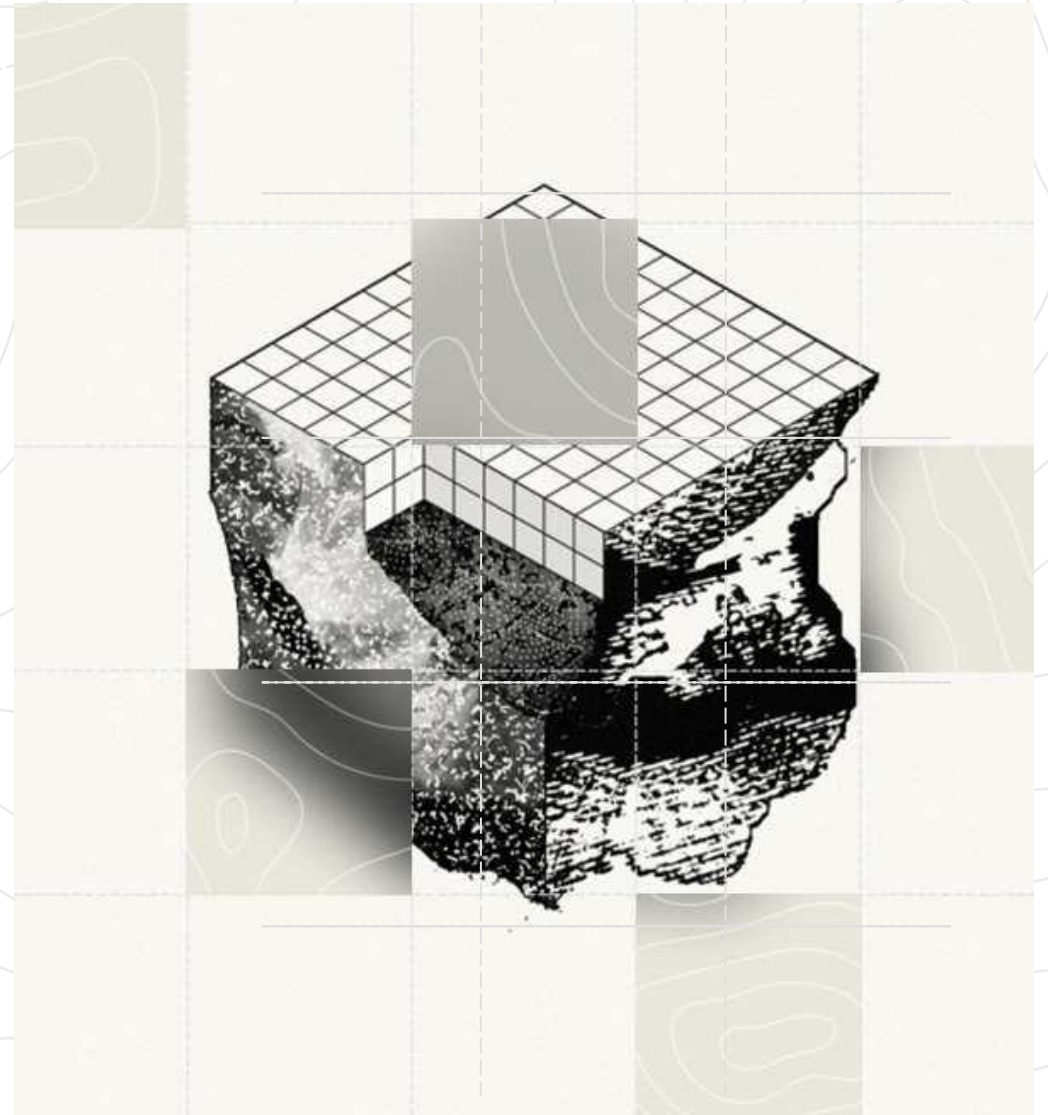


Mirabilite (Sodium Sulfate) Production in Georgia

October, 2021



Colliers Georgia Mining and Minerals LLC offers the feasibility study for the production of Mirabilite (sodium sulfate) in Georgia to those interested in the production of mining chemical raw materials



Mirabilite Production in Georgia

- ◆ Planning the production of Mirabilite as a rare and non-renewable resource requires special technical, geological and financial analysis.
 - ◆ In order to assess the viability of a project, it is necessary to study both the quantitative and qualitative properties of the assets to be acquired, as well as to create a value chain for the processing and sale of the end product.
- Colliers MMS introduces Production Value-Chain to assess project viability. The project includes a list of information and documents on the industrial stock in the field, the surveys conducted and the results of the survey.
- ◆



Project Overview

- Assessing the optimal technology for resource extraction, technical and engineering solutions for the extraction of waste.
- Break-down of Major capital expenditures of trade infrastructure costs
- Domestic and Global market research for distributing the extracted and recycled resources
- Developed Business model
- At the project implementation stage, in addition to the appropriate initial surveys, Colliers MMS offers the customer exclusively the land for processing infrastructure nearby the mining field
- Legal and Technical Assistance to purchase the minerals extraction (license) right



Experience

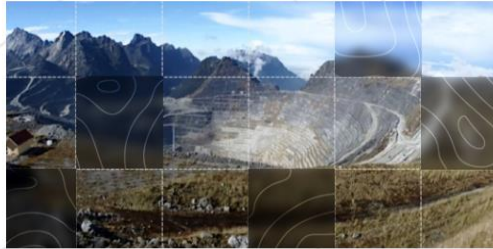
DUE DILLIGENCE



Project
Client
Service Provided
Location

- ▼ Olivine Mine Feasibility Study
- ▼ Mining Operator
- ▼ Due Diligence and Mine Planning
- ▼ Greenland

TECHNICAL & ENVIRONMENTAL DUE DILLIGENCE



Project
Client
Service Provided
Location

- ▼ Gold Mine Exploration
- ▼ Mining Operator
- ▼ Technical and Environmental Due Diligence
- ▼ Indonesia

MINE AUDIT



Project
Client
Service Provided
Location

- ▼ Stock Exchange Listing
- ▼ PT Bukit Asam
- ▼ Mine Planning and Environmental Audit
- ▼ Indonesia

RESEARCH & TECHNICAL GUIDANCE



Project
Client
Service Provided
Location

- ▼ Mining and Exploration in Morocco
- ▼ Ministère des Mines et de l'Énergie
- ▼ Research and Technical Guidance
- ▼ Morocco

RESEARCH & TECHNICAL GUIDANCE



Project
Client
Service Provided
Location

- ▼ Sub Saharan Africa
- ▼ UK Department of Trade and Industry
- ▼ Research and Advisory Role
- ▼ Sub Saharan Africa

DUE DILLIGENCE & VALUATION



Project
Client
Service Provided
Location

- ▼ Acquisition of Granite Quarry
- ▼ Aram Resources
- ▼ Due Diligence and Valuation Advice
- ▼ Cornwall, United Kingdom

VALUATION



Project
Client
Service Provided
Location

- ▼ China Clay Quarry Operations
- ▼ IMERYS
- ▼ Valuation
- ▼ Cornwall, United Kingdom

FINANCIAL ANALYSIS



Project
Client
Service Provided
Location

- ▼ Securing Investment for Exploration
- ▼ Lonrho Plc
- ▼ Advice
- ▼ Africa

Team Experience



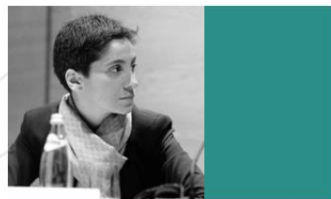
Irakli Kilauridze

MRICS
Managing Partner | Colliers Georgia

senior real estate executive and entrepreneur with 15+ years' experience leading real estate investment, development, sales, construction and turnaround operations. He has successfully built and managed high-performance international teams to facilitate and close large real estate transactions in Georgia.

He has experience of developing large scale commercial, mixed use and resort projects in Georgia. He has closely worked with international consultants and master-planners to develop overall close to 5 millions square meters of land area and circa 1.5 million square meters of development volume.

Irakli is also experienced in investor search and fund raising negotiations, in last 10 years he has raised and negotiated more than US\$500 million for the projects in Georgia from Institutional Investors and IFI's such as Citi, EBRD, IFC and private real estate funds operating from New York, London and Moscow.



Maia Zavrashvili

Partner | Mining and Minerals Solution (MMS)

Maia Zavrashvili is an experienced Georgian Lawyer with over 12 years of experience of interacting with key government ministries, private sector counterparts and legal entities in Georgia. As the Head of the National Agency of Mines, Maia was the key in all coordination of the work of Agency. One of the critical aspects of Maia's role as Head of NAM was signing the agreements and issuance of licenses for the use of mineral resources and within the competence issuance of administrative-legal acts. Along with her strong technical knowledge, Maia has strong networks across Georgian ministries and in the legal sector given the breadth of engagement with various ministries in key positions such as Deputy Minister of the ministry of environment and natural resources throughout the last few years.



Chris Monkhouse

B.Sc Head of Waste,
Energy & Minerals | Colliers London

Chris has specialised in the niche sectors of waste, minerals and energy during my career which has experienced many changes over the last 20 years. He joined Colliers International in 2014 and now head the Waste, Energy and Minerals Department. As one of the market leaders his team provides joined up thinking for these niche markets with a variety of work covered including specialist valuation advice for loan security, compulsory purchase and company accounts, royalty/rent reviews, business rate guidance, complex due diligence, LPA insolvency solutions, acquisitions and disposals of vacant properties and trading entities, co-ordinating estate restructuring, asset repositioning together with the development of investment opportunities in his core niche sectors to the alternative investment market using Colliers International global platform.



Katie Perks-Beattie

B.Sc (Hons), MRICS
Associate Director | Colliers London

Kate joined Colliers International in October 2014 providing specialist advice in the niche waste, energy and mineral sectors throughout the UK and internationally. She specialises in providing valuation, agency, landlord & tenant and estate management advice.

Kate started her career in commercial property practice gaining broad property experience working in retail agency; lease consultancy and valuation concentrating predominantly in London and the South East. She then focused her career on the specialist waste, energy and minerals sector developing my skills and experience.





Valuation experience includes loan security valuation for banks (including corporate recovery work), investment funds and a wide variety of operators; accounting valuations for occupiers, funds and Local Authorities; along with strategic property advice for occupiers, investors and banks.







M | M | S
Mining & Minerals Solutions

Our dedicated Waste, Energy and Minerals specialists provide expert advice to operators, developers and investors on the sale, acquisition, disposal and valuation of these niche assets.

Services

-  Valuation
-  Agency
-  Site search
-  Investment

-  Rent & royalty reviews
-  Business rates
-  Due diligence
-  Wayleaves & access rights

Why Choose Us?

Specialist experience with an extensive library of market evidence to enable accurate analysis and benchmarking. Understanding buyer priorities allows us to target the right private and corporate purchasers in order to achieve the best price.

Approved valuers for all major lenders. Drawing upon the Colliers International global platform, our clients also have access to research, rating, building consultancy, sustainability and investment services.



In 2016 / 2017 we have sold

£30,000,000

of waste and waste to energy opportunities



In 2016 / 2017 we valued over

£400,000,000

of waste, energy and mineral assets

Contact us

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Thank You !

