
INTERNATIONAL
MINING
CONSULTANTS
viaus-imc.com

Introduction

INTERNATIONAL
MINING
CONSULTANTS

ViaUs IMC was founded to provide high level geological & mining consultancy services. Our experienced team of geologists and mining experts will support you in gaining value to your projects, taking essential decisions, and reaching your milestones.

Thanks to our broad network of internationally renowned partners we base our services on a very broad portfolio of techniques following the highest standards.

Please find a short presentation of our services on the following slides.

Agenda

1 ABOUT US

2 OUR SERVICES

3 OUR EXPERIENCE

About Us

ViaUs IMC provides geological consulting, exploration management, and contract geological services to the global mining and exploration industry. Our team is experienced in all stages of the mining cycle, from greenfield exploration through to development, and initial production, to full-scale operation. We strive for technical excellence and aim to exceed client expectations on every engagement.

Team

CORE TEAM

5	8	5
Geologists	Mining Experts	Geotechnical Experts

NETWORK

AMC consultants mine smarter

CSA Global Mining Industry Consultants

IDMG

GEOPS exploration drilling services

Consulting | Drilling

EXPERIENCE

> 8	> 4
finished geo-exploration projects by team	mining projects

Our Global Network of Partners

- ViaUs IMC Headquarters
  Hamburg, Germany
- ViaUs IMC Asia
  Tashkent, Uzbekistan

AMC Consultants	IDMG	GEOPS	Alpproject Consortium	CSA Global
United Kingdom	*Germany*	*Bulgaria*	*Kyrgistan*	*Perth, Australia*

The Standards We Follow

Australasia – JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves

National Instrument 43-101 (the "NI 43-101" or the "NI") is a national instrument for the Standards of Disclosure for Mineral Projects within Canada

Europe – PERC Pan-European Code for Reporting Exploration Results, Mineral Resources and Reserves

Our Service Areas

MINERAL EXPLORATION

MINING GEOTECHICS

MINING

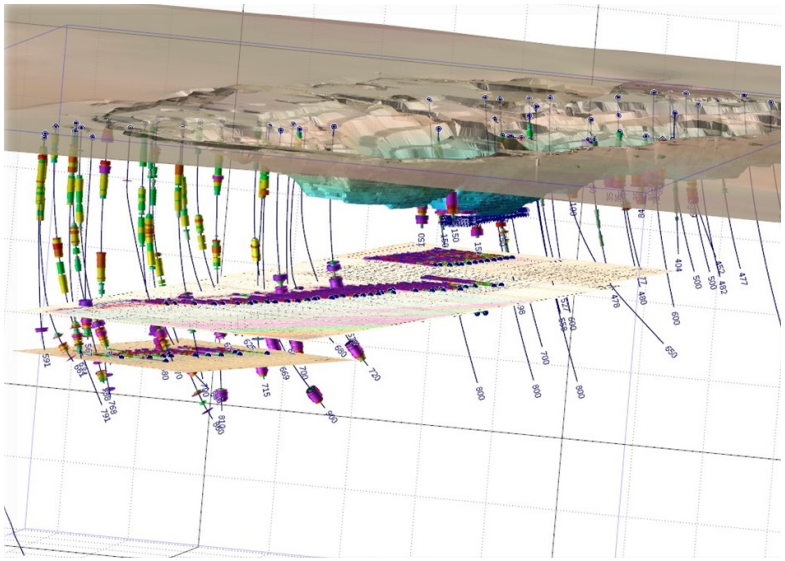
GEOLOGY & RESOURCES

Mineral Exploration

SERVICES

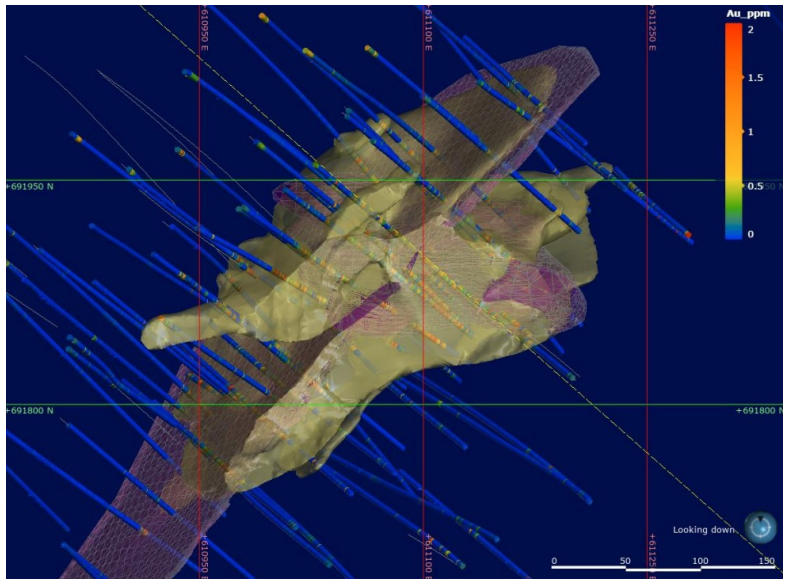
Service Portfolio

- Mineral Exploration Targeting
- Remote Sensing & Geophysics
- Exploration Geochemistry
- Mineral Exploration Project Planning
- Exploration Sampling, Analysis, QA/QS
- Mineral Exploration Field Services
- Exploration Project Audit & Valuation



Mineral Exploration

SERVICES



Techniques

- Hyperspectral logging
- Data management
- Machine learning
- Micromine, Surpac
- Arc Gis in remote sensing
- QGIS in remote sensing

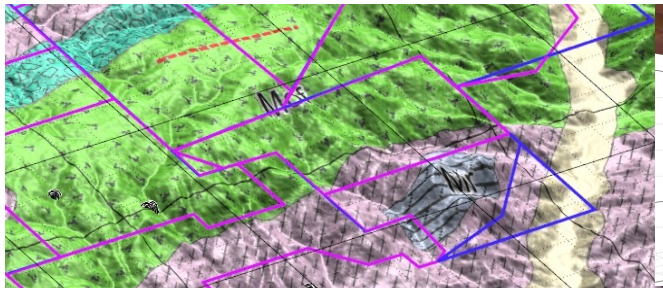
Reporting

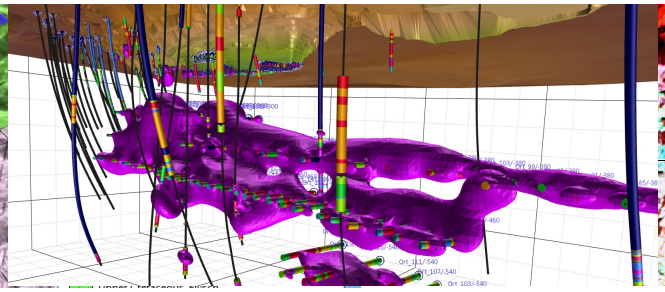
- NI 43-101
- JORC
- Other recognized practices

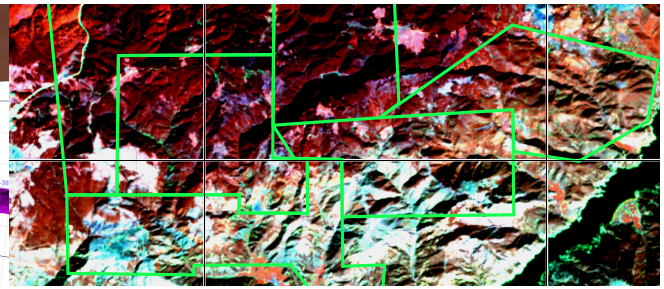
Mineral Exploration

WORKING APPROACH

We ensure effective application and interpretation of geology, geochemistry, and geophysics to generate and test exploration targets. Since “blind” orebodies are of increasing importance, we routinely use a mineral systems approach to assess prospectivity. Our team is highly proficient in 3D visualization using software such as Micromine, and Surpac and working with advanced exploration databases.



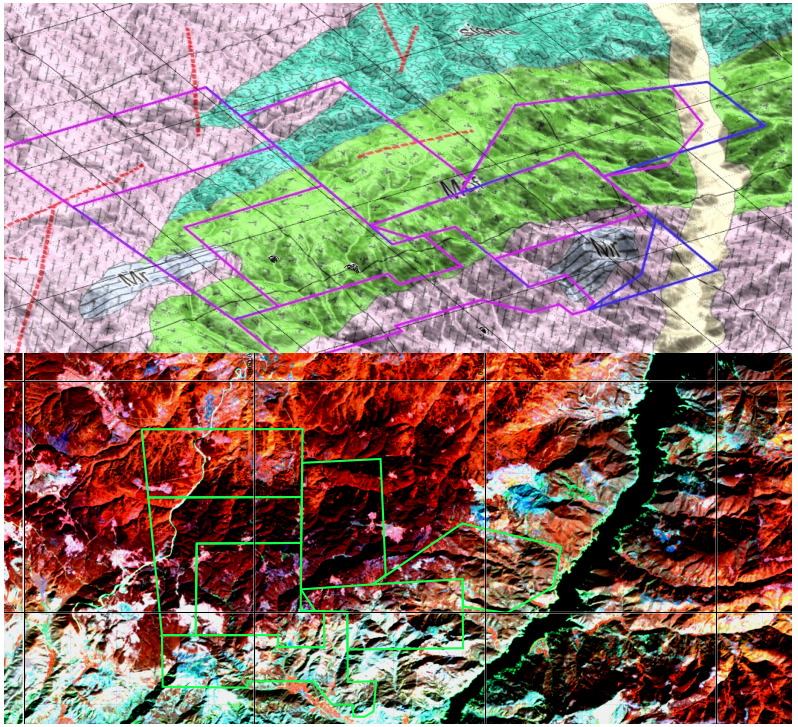




Mineral Exploration

REMOTE SENSING

We interpret remotely sensed data using a sound structural geological understanding to provide informed, integrated interpretations that can be directly applied to exploration targeting. Specializing in process-driven conceptual models allows us to improve the understanding of your mineral targets. By using multiple data sets, our highly experienced geologists solve geological ambiguities not resolvable before.



Our Service Areas

MINERAL EXPLORATION

MINING GEOTECHICS

MINING

GEOLOGY & RESOURCES

Mining

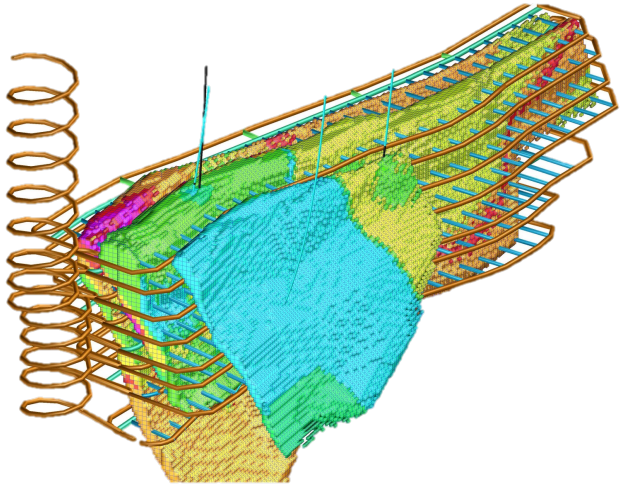
SERVICES

Portfolio

- Mining Project Evaluation
- Mine Engineering
- Mine Waste Management
- Extractive Metallurgy & Mineral
- Project Management

Techniques

- Mining & engineering studies (concept to feasibility)
- Reserve assessment reviews
- Mine optimization, scheduling & design
- Ore Reserve estimation & reporting
- Grade control & reconciliation
- SW: Micromine, Geovia, Surpac



WORKING APPROACH

Our expert team is backed by decades of senior level experience – as executives, managers, operators and technical specialists. We draw on this experience and knowledge to add value to your mining project in the following keyways:

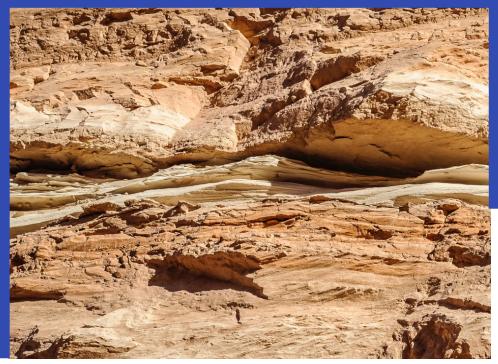
- Delivering results that satisfy the technical diligence requirements of investors, so they can make investment decisions.
- Adopting an integrated approach, by working closely with geologists and other technical experts, to ensure solutions are practical and effective.
- Assisting with accurately delineating ore and waste, and correctly planning and scheduling material movements to optimize metal production and profit.

Our Service Areas

MINERAL EXPLORATION

MINING GEOTECHICS

MINING



GEOLOGY & RESOURCES

Mining Geotechnics

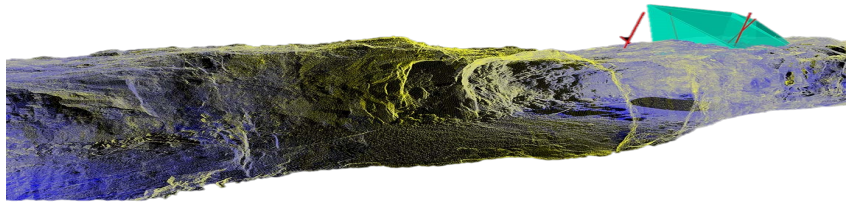
SERVICES

Portfolio

- Geotechnics for Mining Infrastructure
- Mining Geotechnical Investigation
- Underground Rock Mechanics
- Pit Slope Stability
- Geotechnical Numerical Modelling
- Geotechnical Operational Support

Techniques

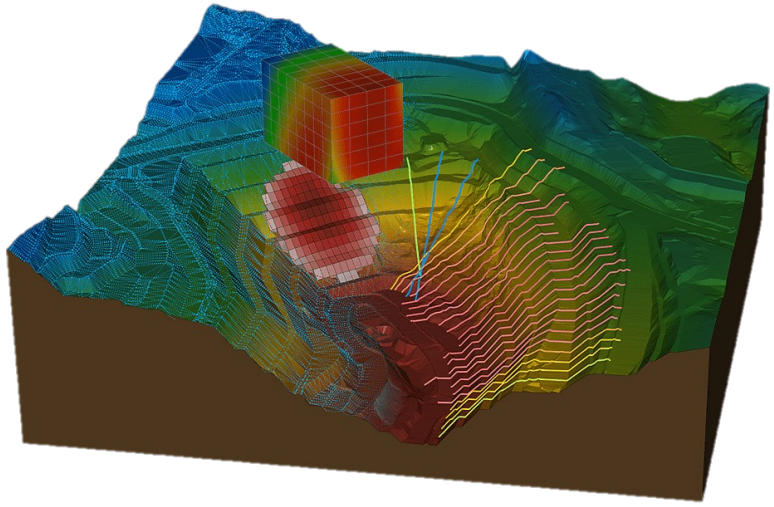
- Geotechnical Instrumentation
- Ground Support Quality Control
- Geotechnical Core Logging
- Rock Property Testing
- Drillhole/ rock bolt camera inspections
- SW: SVDESIGNER, PLAXIS LE



WORKING APPROACH

By providing clear, comprehensive design options and assessing their associated time- and mining-related risks, we will help you make informed decisions based on your specific needs and risk profile.

We work in environments ranging from equatorial to permafrost at surface, shallow, and deep levels and have expertise in diverse mineral commodities, including base and precious metals, coal, iron ore, bauxite, diamonds, and industrial minerals. Our specialists also have multiple-method mining and infrastructure experience and design and implement support systems to deal with accelerated erosion from construction, ground disturbances, and waste disposal.

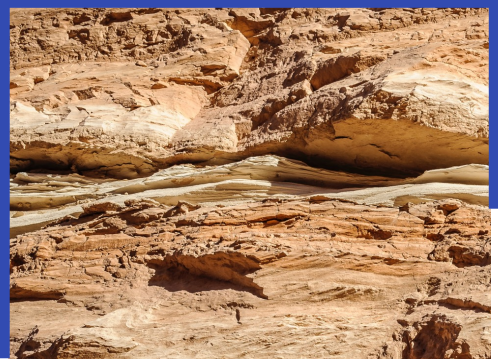


Our Service Areas

MINERAL EXPLORATION

MINING GEOTECHICS

MINING



GEOLOGY & RESOURCES

Geology and Resources

SERVICES

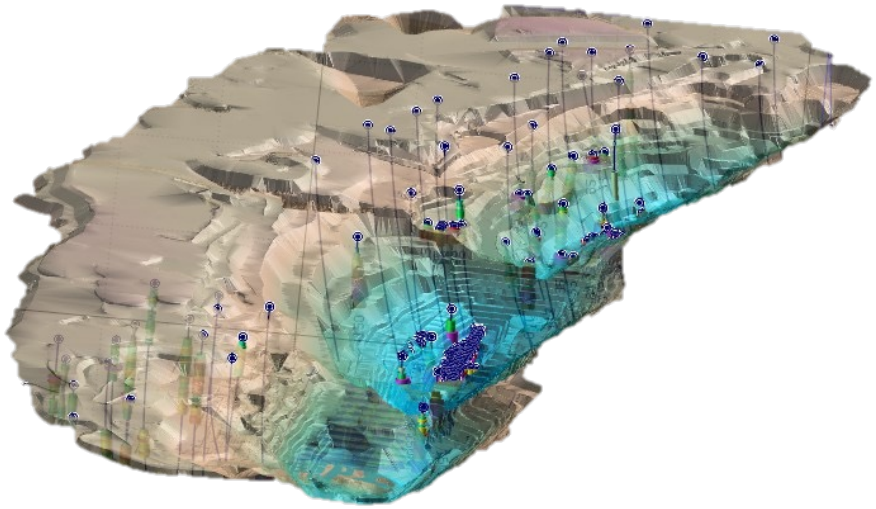
Portfolio

- Structural Geology
- 3D Geological Modelling
- Mineral Resource Estimation
- Mineral Reserve Estimation
- Scoping Studies
- Pre-feasibility studies
- Feasibility Studies
- Mine Site Operational Support

Techniques

- QAQC of data & data collection techniques
- Geological & geo-metallurgical modelling
- Geostatistical analysis & variography
- Mineral resource estimation,validation & classification
- Reporting in accordance with international codes
- Resource audits & risk analysis
- Micromine, Surpac

WORKING APPROACH



Base your decisions on our interpretation of the structural setting of ore deposits and our recommendations for specialized drilling, sampling, and assaying techniques.

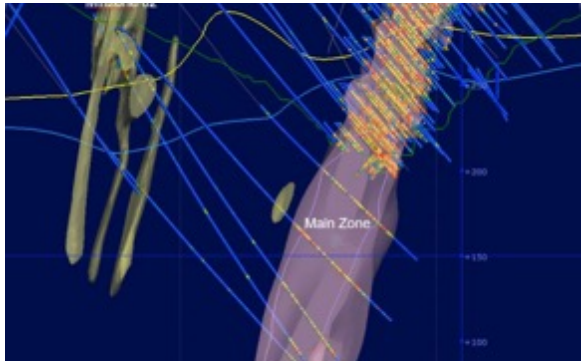
We use 3D modelling software combined with statistical and geostatistical methods to model commodity distribution. Our experts integrate complex datasets to generate and refine targets and identify controls on mineralization. We map open pit and underground mines and improve grade control, ore reserve modelling, mine plans, and near mine drill targeting.

Experience of our Team

EXAMPLE PROJECTS FROM OUR TEAM

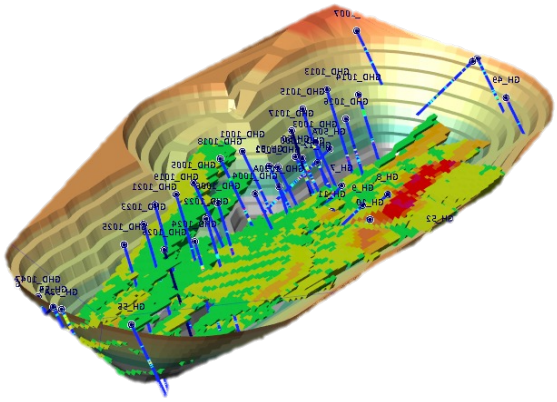
Exploration Target

Ghana, 2013-2015



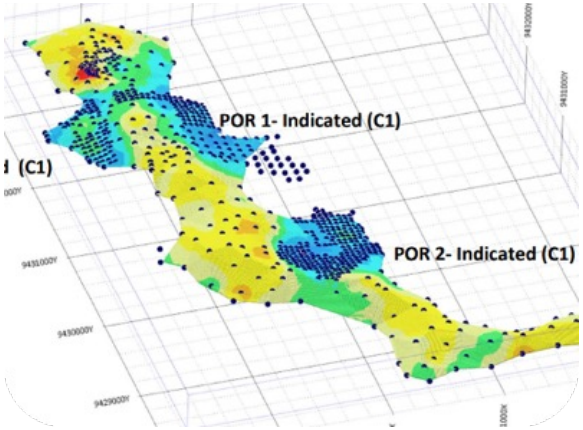
Gold Exploration Project

Ghana, 2015-2017



Mineral Ressource Estimation

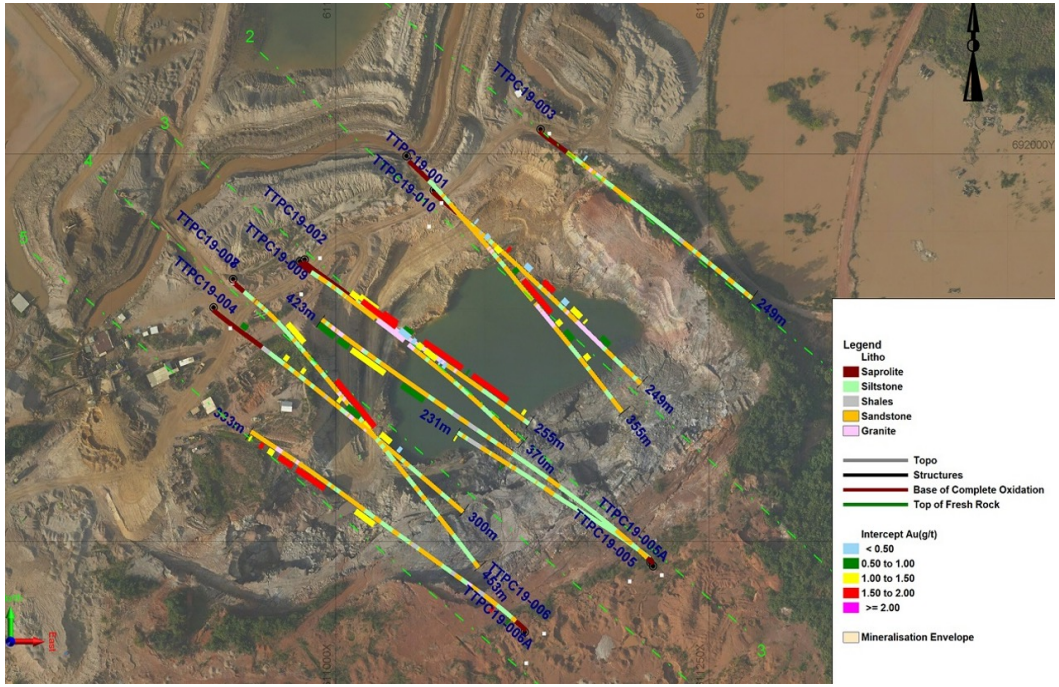
Indonesia, 2017-2019



Exploration Target: Tontokrom (Ghana) 2013 - 2016

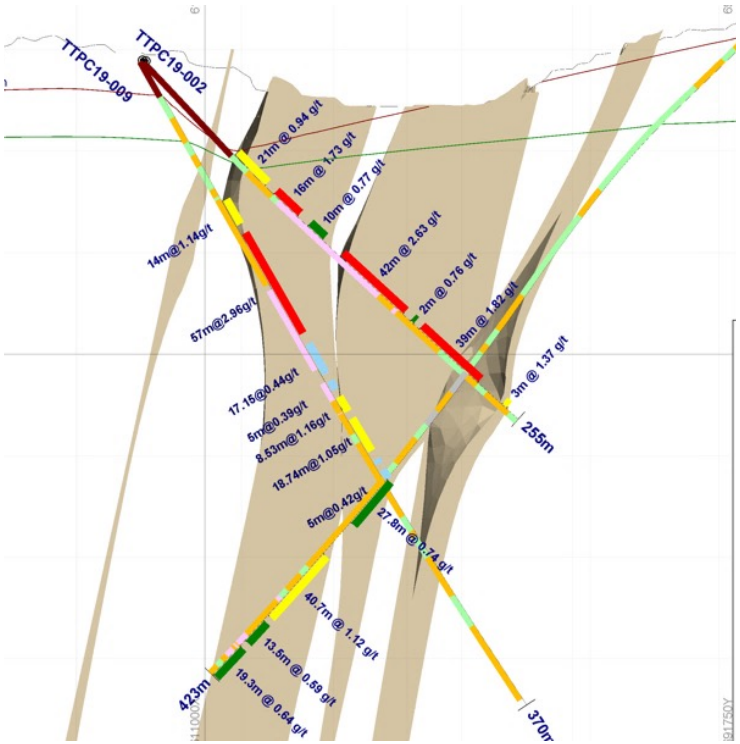
PROJECT OVERVIEW

LOCATION
West Ghana
CLIENT
Geo Professional Services Ltd.
TIMEFRAME
June 2013 – January 2016
PRACTICES INVOLVED
Exploration methods, JORC Code
COMMODITIES
Gold
MAIN SERVICE AREA
Exploration
SERVICES
Mineral Resource Estimation



Exploration Target: Tontokrom (Ghana) 2013 - 2016

PROJECT INSIGHTS



The exploration target in Ashanti Region West Ghana is situated along the Fromenda shear structure, which is part of the prominent northeast southwest Asankrangwa structural corridor hosting all gold deposits. This highly perspective area is the site of numerous small scale mining operations following multiple mineralized parallel structures along the 3 km strike under investigation.

Historical geochemical anomalies are coincident with the targets, and primary and secondary structures known to control mineralization in the belt have been interpreted from the airborne VTEM and magnetic surveys and extensively mapped on the ground.

Gold Exploration Project: Asankrangwa 2015 - 2017

June 22

PROJECT OVERVIEW

LOCATION
West Ghana, Ashanti Region

CLIENT
Minev Consultants Ltd, Caracal Gold Ltd

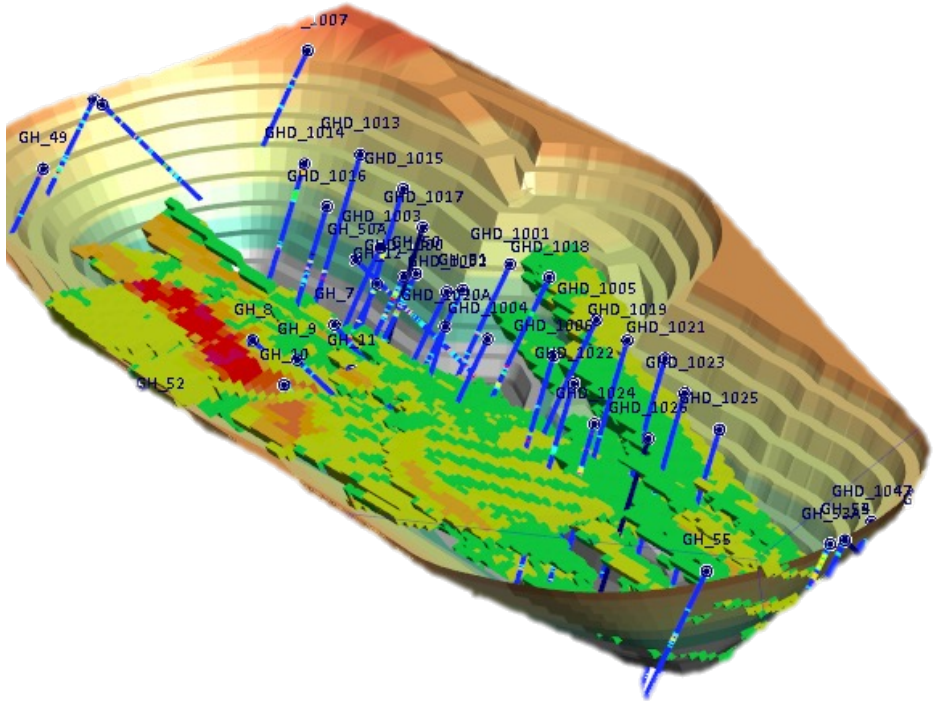
TIMEFRAME
April 2016 - May 2017

PRACTICES INVOLVED
Exploration methods, NI-43-101

COMMODITIES
Gold

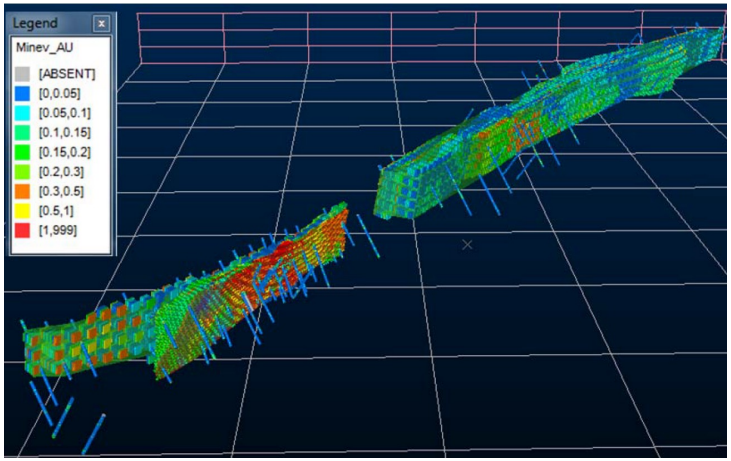
MAIN SERVICE AREA
Exploration, Mining, Beneficiation

SERVICES
Mineral Resource Estimation



Gold Exploration Project: Asankrangwa 2015 - 2017

PROJECT INSIGHTS



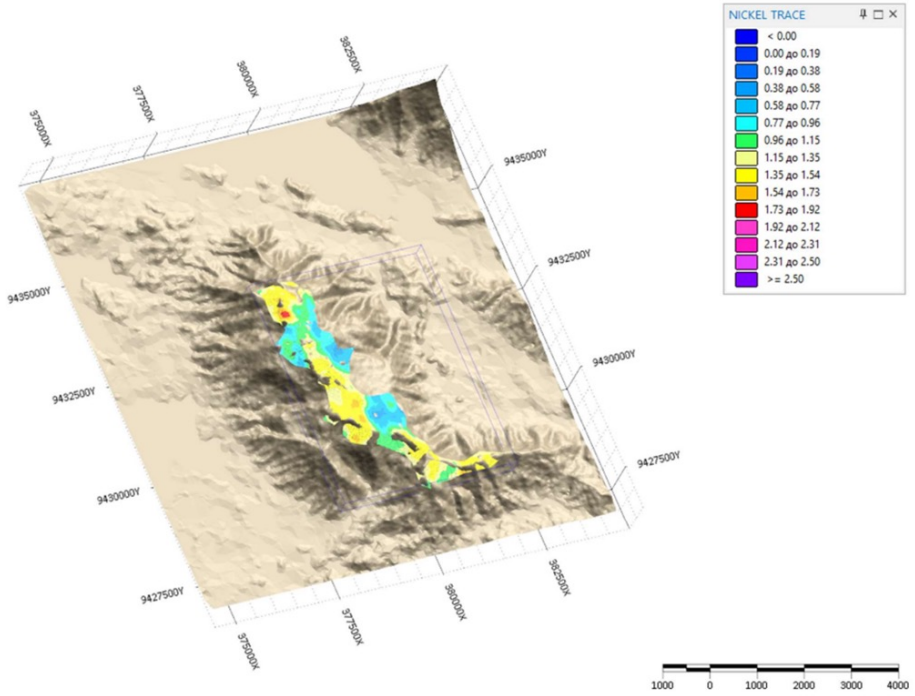
Competent Person has reviewed and audited the exploration data available for the Asankrangwa deposit and considers this to be generally reliable and suitable for the purpose of generating the Mineral Resource Estimate.

Our team has created a 3D geological model of the Asankrangwa deposit, undertaken statistical and geostatistical analyses on the composited assay data and then interpolated this data into the model using Ordinary Kriging. The results were presented in a Mineral Estimate Report.

Laterite Nickel Project: Indonesia 2018 - 2020

PROJECT OVERVIEW

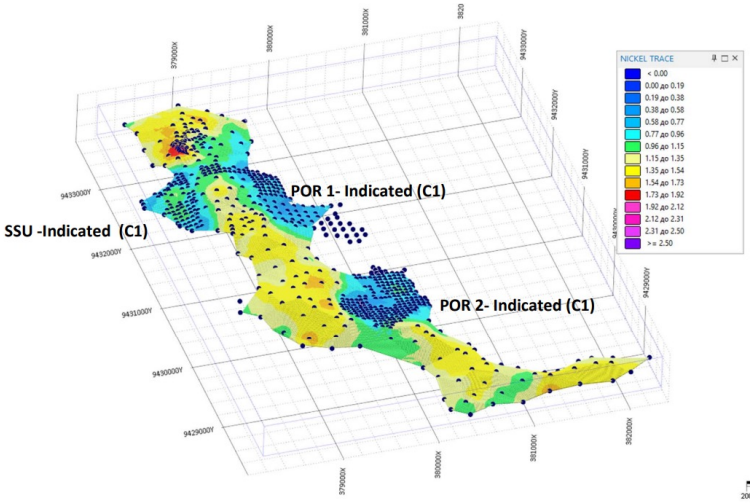
LOCATION
South Sulawesi, Kabaena Island
CLIENT
Cipta Mineral Indonesia Ltd
TIMEFRAME
April 2018 – January 2020
PRACTICES INVOLVED
Exploration methods, JORC Code
COMMODITIES
Nickel
MAIN SERVICE AREA
Exploration, Mining, Beneficiation
SERVICES
Mineral Resource Estimation



Laterite Nickel Project: Indonesia 2018 - 2020

June 22

PROJECT INSIGHTS



Key results of the project:

- Potentially high mineralization of garnierite in lateritic ores has been identified.
- Exploration drilling of more than 6,000 meters was carried out.
- Created a model of the nickel ore deposit and an estimate of mineral resources.
- Preparation of a Mineral Resource Estimation report

We Will Find a Solution For You

LET'S EXPLORE THE WORLD TOGETHER!

For project inquiries please reach out to: s.flyax@viaus-consulting.com

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