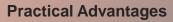


COMPANY MISSION

Adaptation of Effective Exploration Methods

for Mining Industry Demands

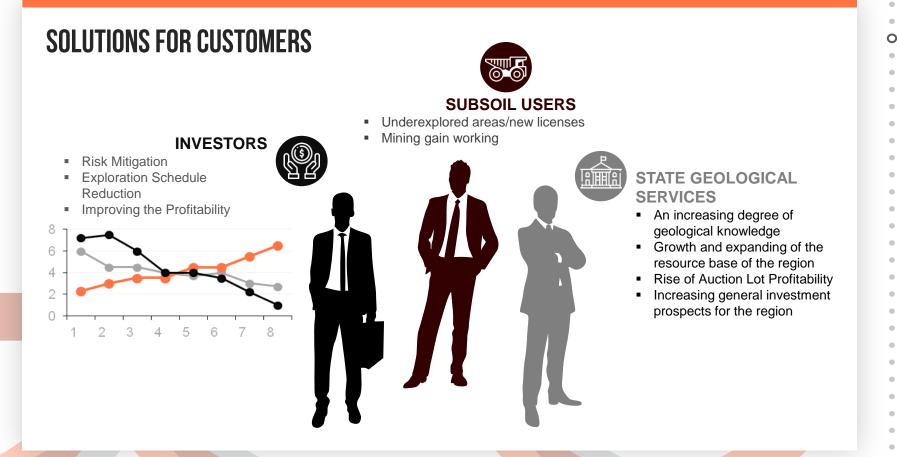




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EXPLORATORY DRILLING SCOPE REDUCTION

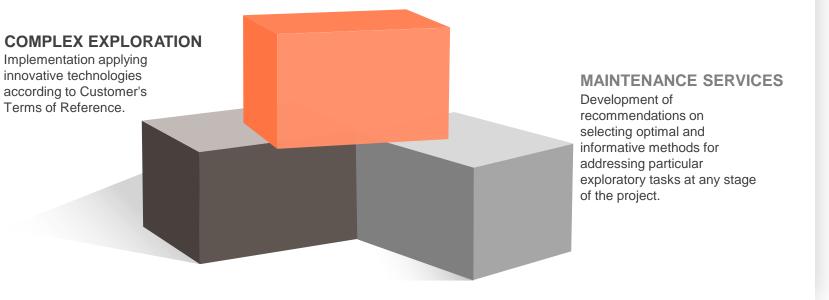
CUTTING TIME FOR EXPLORATION



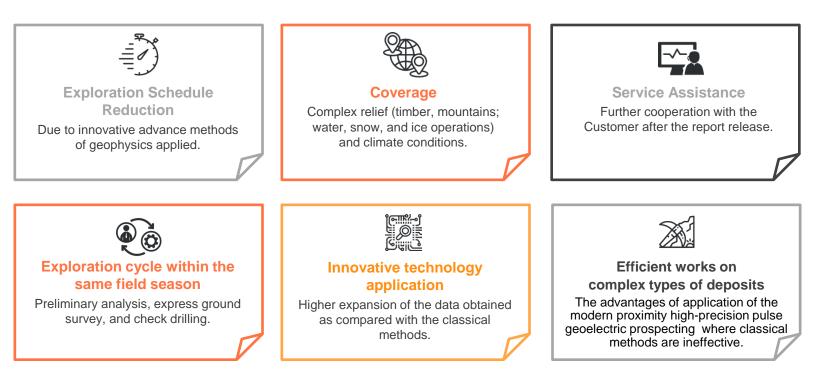
PRODUCTION BLOCKS

OUTRUNNING EXPLORATION

Evaluation of objects with geologic-economic calculation of practicability of implementing exploration applying necessary and sufficient set of field survey methods, both highly efficient and confident and quick to implement. O



COMPETITIVE STRENGTHS



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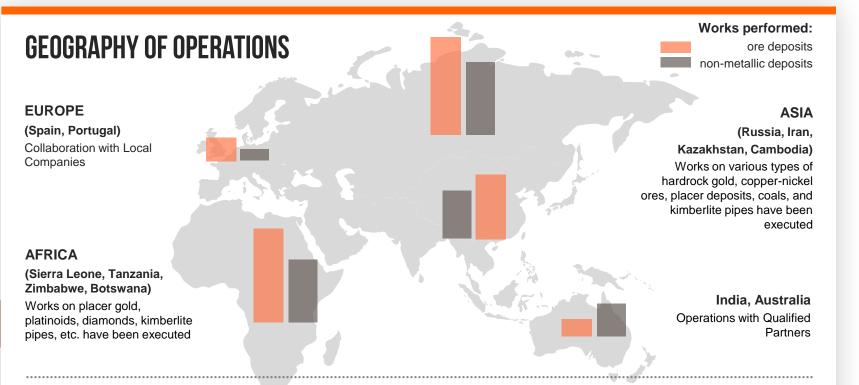
USEFULNESS FOR CUSTOMERS STEP-BY-STEP SOLUTION AND DESIRABILITY Time saving As a result, we save Verification drilling Customer's time spent for exploration by forecasting We propose verification extension of ore zones, **Forecast map** drilling completion within a optimizing drilling single field season. operations and efficiency in determining trends of further We analytically localize Comprehensive perspective zones and operations. range of services construct forecast maps for We provide comprehensive organization of appraisal spectrum of maximum works. effective complex solutions for implementation of

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exploration activities of any

complexity.



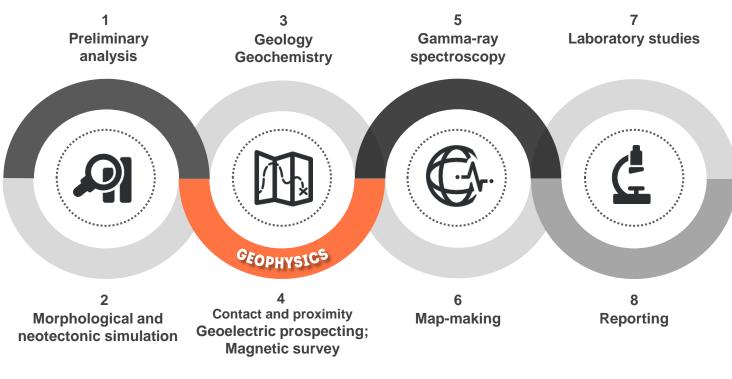
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GeoJet Exploration is the service exploration Company that features necessary qualifications for planning and implementation of the full spectrum of exploration in mineral deposits for solid resources required for a subsoil user and an investor for project development at its any stage.



Since 2018, our Company operates actively at the market of North and South America and participates in regional and international ore mining forums. Partnership agreements are concluded, within which field trials are performed in order to provide high-quality services in this region.

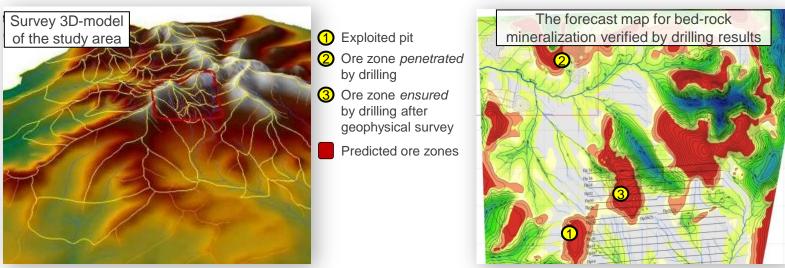
EXPLORATION CYCLE DIAGRAM



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PRELIMINARY ANALYSIS

GEOMORPHOLOGICAL AND NEOTECTONIC SIMULATION



The purpose for annotation is detection of multi-ordinal geological structures with which mineral resources are spatially and genetically associated. We annotate satellite images and perform complex analysis of data on the area of works (recent data of METI and NASA radar sensing: ASTER Global Digital Elevation Model Version 2; recent data of 1-3 second Shuttle Radar Topography Mission (SRTM) sensing; high and medium resolution Landsat ETM multi-zone space images. The analysis is based on the topographic base of the scale 1:10'000 which, in turn, is used for making maps as follows: the difference in base surfaces; sweep direction; residual relief map; peak plain map; water divide map. These maps form the basis for the forecast map.

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GEOLOGICAL WORKS

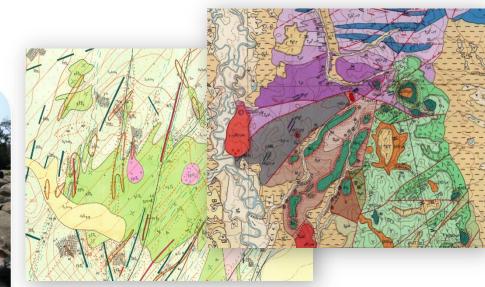


Basalts

Exposure of kimberlites



Pegmatitic lode in granites



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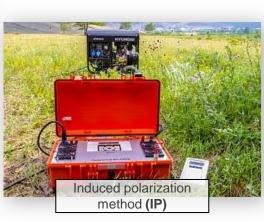
Geological maps are build up by the result of geological works and surveys. Sites outlined at the 1st stage are tested. This allows the investor to reduce time to mining (placer) operations and map (bed-rock) drilling.

Electronic databases that conform to international reporting standards are compiled.

GEOELECTRIC PROSPECTING

Our Company owns a wide spectrum of contact and proximity equipment for geoelectric prospecting meeting all modern safety and magnetic compatibility requirements. A combination of different techniques allows receiving sufficient data for composing a detailed jeological-geophysical model of the work site. Data complexing increases the probability of outlining ore zones.







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GEOELECTRIC PROSPECTING METHODS COVERAGE

WORKING UNDER HEAVY RELIEF AND CLIMATE CONDITIONS AND ON ANY SURFACES



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COMPLEXING EFFICIENCY

Seconds and microseconds

Hz-kHz range

Receiving information about specific resistance and conductivity of rocks. Water saturation and mineralization zones are identified.

Micro- and nanoseconds MHz range

Receiving information on electric capacity and permeability. Tectonics, type and internal structure of rocks associated with metamorphism are identified.

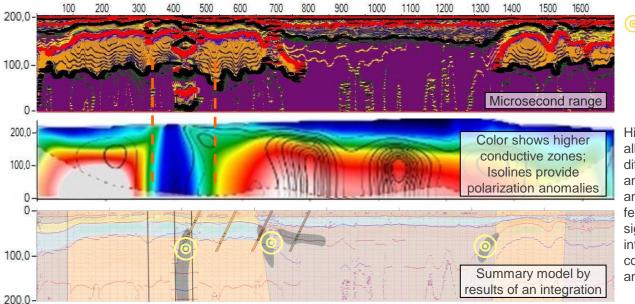
EFFECTIVE SOLUTION

HPGP technique (High Precision Pulse Geoelectric Prospecting) used by GeoJet Exploration which is capable of providing data in the full time range, from seconds to nanoseconds, determining the maximum informative frequency range during analysis and processing, and obtaining detailed information about geological structure features of the surveyed area.

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EXAMPLES OF 2D-INTEGRATION



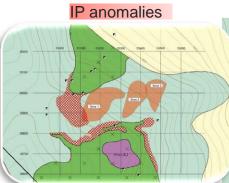
Ore mineralization zones

High-resolution 2D-profiles allow studying in detail and differentiation of ore zones, and detection of structural and tectonic pattern features. Integration of data significantly increases informative value and confidence of outlined anomalies.

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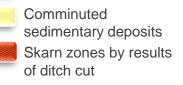
The geophysical profile was made by the volcanic sedimentation mass. In the left part, the profile crosses the fault zone, which is recognized by a contrast conductivity zone. Intensive polarization anomalies due to disseminated sulfide mineralization were detected in the central part of the profile.

EXAMPLES OF AREAL INTEGRATION



Limestones

Diorites



Complex analysis of the geophysical data obtained visualizes the presence of a broad anomalous zone formed at the interface of magmatic and sedimentary rocks.

Integral map

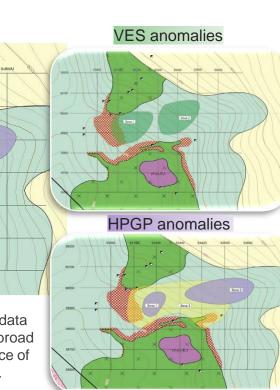
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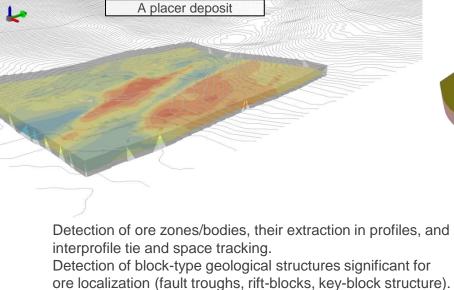
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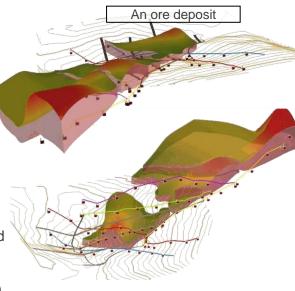


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3D-MODELING

RESULTING FROM DATA INTEGRATION





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MAGNETIC MEASUREMENTS AND GAMMA-RAY SPECTROSCOPY



Magnetic exploration method, or magnetic prospecting is a geophysical method for addressing geological tasks based on surveying magnetic field of the Earth and magnetic characteristics of rocks, ores, deposits, and minerals.

Aerial survey (using quadcopters) and land survey is performed.

Inclusion of gamma-ray spectroscopy for potassium, uranium, and thorium (K, U, Th) into the Work Cycle of the Company provides a significant increase in the geological efficiency of exploration and development of deposits in a complex environment. These are primary goals among the majority to be addressed:

- Lithological stratification of profiles, detection of geochemical and geological trends inherent to the profile under study;
- Evaluation of the fractional analysis of rocks, and contents of some clay minerals;
- Outlining of fracture zones etc.



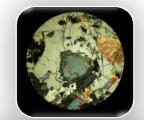
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GEOCHEMICAL SURVEY AND LABORATORY ANALYSIS

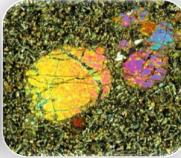


Implementation of laboratory analyses:

- Spectral qualitative and semiquantitative analysis;
- Petrographic study of crystalline and sedimentary rocks;
- Ore microscopy study;
- Mineralogical analysis;
- Chemical analysis;
- Assaying;
- Electron microscopy;
- Microprobe analysis.







Geochemical survey is performed for studying envelopes of valuable components and elements, which are indicators around agglomerates of a mineral, and quantitative and qualitative composition of noxious impurities.

These kinds of the study increase significantly the confidence and informative value of outlined anomalies by geoelectric prospecting methods, and provide completeness of deposit studies.

REPORTING





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GeoJet Exploration assesses objects using geologic-economic calculation of practicability of implementing exploration. According to the Customer's choice, materials are prepared in one of the following reporting codes: JORC (Joint Ore Reserves Committee), CRIRSCO (Committee for Mineral Reserves International Reporting Standards), SAMREC (The South African Mineral Resource Committee), and so on, including GOST (Russia).

ORE DEPOSITS

GOLD

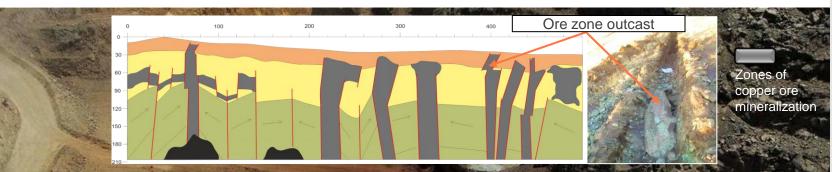
Quartz-veined gold deposit type

Resulting from geoelectric prospecting, conductivity and polarization anomalies confined to diorites and dolomites contact zone were detected. The comparison with drilling data indicated correspondence to the ore zone suggested.



ORE DEPOSITS

COPPER



Copper-Porphyry Deposits

Subvertical and vertical zones of increased mineralization are detected within a geoelectric section.

ORE DEPOSITS

Iron-Ore Deposit

The geological profile is presented by gneisses, amphibolites, peach stones and quartz schists overlaid by carbonaceous rocks (limestones). A stratum of conglomerates up to 70m thick lays above. Magnetite ore bodies in the skarnification zone at the carboniferous stratum interface are detected.

bet is

40-

80-120-

160-

200-

280-

Conglomerates Limestones Amfibolita Gneiss Skarns Fragment of an ore body of magnetite

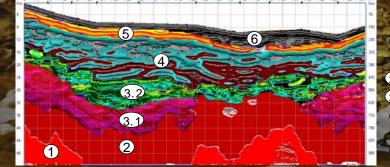
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PLACER DEPOSITS

GOLD, DIAMONDS



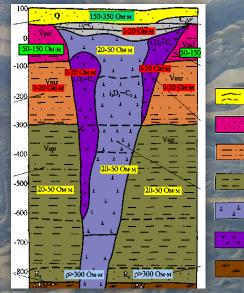
Exploration performed within the shortest possible time. Establishing production mining within a single field season. Determination of overburden rocks and pay horizons thickness; detection and charting of paleochannels, river terraces, accumulative traps; determination of alluvial deposits thickness.



Bedding rocks (granitoids)
Bedding rock crusts of weathering
Primary crust of weathering
Derivative crust of weathering
Sandy shale deposits
Lateritic soils
Loamy soils

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DYKES, KIMBERLITE PIPES



 Q - quaternary deposits (clay loams, sand loams)
Vpd – the Vendian Formation (sands, sandstones)
Vmz – the Mezen Formation (siltstones)
Vup – the Ust' Pinega Formation (claystones)
i2D₃C₂- the 2-nd Kimberlite Pipe rocks (xenotuff breccia)
i1D₃C₃- the 1-st Kimberlite Pipe rocks (autolite breccia)
R – Riphean Belomorian Complex

(gneissose granites)

Geological and geophysical profile and geoelectric model of Pomorskaya Kimberlite Pipe, Arkhangelsk Diamond Province. Methodology for application of a proximity geoelectric prospecting complex for searching and mapping kimberlite structures in the permafrost environment.

INTERNAL AND EXTERNAL COMPANY'S PROCEDURES

01 OFFICE Analytics

02

03

04

05

Analytics of aerial and space, geophysical, and geological data.

TECH DEPARTMENT

Proprietary Design Bureau (DB) allows for self-developing new equipment and modernizing the existing instruments (including maintenance and repair).

SOFTWARE Data processing software development

Jula processing service

R&D

Trials, research and development, communication of experience with profile organizations, cooperation with Divisions of the Russian Academy of Sciences on geophysics

B2B RELATIONS

Participation in specialized exhibitions and conferences, and mining forums.



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THANK YOU FOR YOUR ATTENTION!

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