

CAPABILITY STATEMENT



OreLogic Consulting LLC

Mine Geology & Ore Control
Consulting

Who We Are

Company Overview

OreLogic Consulting LLC is a specialized mining consulting company focused on mine geology, ore control, reconciliation, resource and reserve support, and operational improvement.

We provide practical technical support to mining operations and projects, with a focus on improving geological confidence, ore control practices, data quality, and operational decision-making.

Our approach combines hands-on operational experience with geological interpretation, data analysis, and practical mine-site solutions.

Mission

Our mission is to help mining operations make better decisions through reliable geological information, practical ore-control systems, and effective use of operational data.

Global Experience

OreLogic brings experience from major open-pit and underground mining operations and development projects across Mongolia, the United States, Guinea, and other international mining environments.

Our experience includes copper, gold, iron ore, molybdenum and other commodities, with technical exposure across mine geology, grade control, reconciliation, stockpile management, geological modelling, and mining data analytics.



15+
Years Experience



GLOBAL
Mining Experience



Open Pit &
Underground

CORE CAPABILITIES

Practical Technical Support Across the Mining Value Chain

OreLogic provides practical and data- driven solutions to improve geological confidence, optimize ore recovery, and support better operational decisions.

**01**

MINE GEOLOGY

Geological insight and modelling support for confident operational decision- making.

- Geological modelling
- Structural interpretation
- Orebody interpretation
- Geotechnical data integration
- Geological risk assessment

**02**

ORE CONTROL

Practical grade-control systems that improve ore recovery and reduce dilution.

- Grade control system design
- Sampling strategy & implementation
- Block model validation
- Ore & waste classification
- Reconciliation & reporting

**03**

RESOURCE & RESERVE SUPPORT

Technical support for reliable resource evaluation and mine- planning decisions.

- Resource estimation support
- Geostatistical analysis
- Model Validation
- Pit optimization support
- Reserve validation
- Technical review

**04**

OPERATIONAL SUPPORT

Data- driven solutions connecting geology, mining and processing performance.

- Mine- to- mill reconciliation
- Stockpile modelling & management
- Process plant data analysis
- KPI dashboard & reporting
- Training & mentoring

**MINE GEOLOGY****ORE CONTROL****RECONCILIATION****DATA ANALYTICS**

EXPERIENCE & SELECTED PROJECTS*

Delivering Practical Solutions in Major Mining Operations and Projects

**The experience presented below reflects projects and mining operations supported by OreLogic's principal consultant during previous professional roles, prior to the establishment of OreLogic Consulting LLC.*

OreLogic brings hands-on experience from world-class mining operations and development projects across Mongolia, the United States and other international environments.



01 – OYU TOLGOI

Mongolia | Copper-Gold | Open Pit & Underground

Mine geology and ore-control support across complex open-pit and underground mining environments.

- Ore-control workflow review
- Geological & geometallurgical integration
- Stockpile tracking
- Reconciliation
- Mine-to-mill improvement
- Production-data systems



02 – KENNECOTT COPPER OPERATIONS

Utah, USA | Copper-Molybdenum | Open Pit

Operational geology, ore-control improvement, sampling evaluation, stockpile modelling and reconciliation support.

- Grade-control optimization
- Sampling strategy assessment
- TruScan trial analysis
- Stockpile modelling
- Reconciliation improvement
- Data analytics & reporting



03 – SIMANDOU

Guinea | Iron Ore | Open Pit Development Project

Technical support for stockpile modelling, ore-control readiness and operational planning in a major iron-ore development.

- Stockpile model development
- COS and reclaim planning
- Ore-control workflow support
- Data management
- Technical review
- Operational readiness



04 – RIO TINTO

Global Operations | Technical Support

Cross-operational technical leadership and advisory support in mine geology, ore control, reconciliation and digital improvement.

- Global technical reviews
- Operational benchmarking
- Value-improvement initiatives
- Database & reporting systems
- Technical mentoring
- Standardized workflows

WHY ORELOGIC

Practical Experience. Reliable Technical Support. Better Mining Decisions.



PRACTICAL OPERATIONAL EXPERIENCE

Hands-on experience across mine geology, ore control, reconciliation, stockpile management, and operational improvement.



DATA-DRIVEN APPROACH

Turning geological and operational data into practical insights that support confident mine-site decisions.



GLOBAL MINING EXPERIENCE

Experience across open-pit and underground operations, development projects, and multiple commodities.



INTEGRATED TECHNICAL SUPPORT

Connecting geology, ore control, reconciliation, resource support, and operational performance.



DISCOVER

Understand your challenges and operational context.



ANALYZE

Analyze data and identify key drivers and opportunities.



RECOMMEND

Provide practical, data-driven recommendations.



DELIVER

Support implementations and deliver measurable operational value.

LET'S DISCUSS YOUR MINING CHALLENGE



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*Practical solutions.
 Data-driven decisions.
 Measurable operational value.*