



TERRA MINING

CONSTRUYAMOS EL FUTURO DE LA MINERÍA

We transform technical expertise and strategic management

into real solutions for the sustainable
development of mining and industrial projects.

Terra Mining S.A.S.

Consulting and Comprehensive
Management of Mining and
Industrial Projects

www.terramining.co

contacto@terramining.co

Bogotá, Colombia



TERRA MINING

CONSTRUYAMOS EL FUTURO DE LA MINERÍA

Index

Index	1
1. About us	2
2. Our services.	3
3. International standards	4
4. ISO standards applied	5
5. Terra Mining methodology	6
6. Values	8
7. Commitment to excellence	9
8. Comprehensive valuation of mining titles	10
Contact	12

1. ABOUT US

At **Terra Mining S.A.S.** we transform technical **expertise** and **strategic management** into **comprehensive solutions** for the sustainable development of mining, industrial, and energy projects.

Our model combines **technical rigor, operational efficiency, and environmental commitment**, under international standards of quality and professional competence: EC0249 (Mexico) – EQF (Europe) – NOS (United Kingdom) – UNESCO TVET Framework.

Each project is an opportunity to demonstrate that excellence can also be sustainable.





2. OUR SERVICES

- **General mining consulting services covering legal, operational, and commercial aspects:** Geological diagnosis, deposit evaluation, extraction optimization, and environmental sustainability plans.
- **Industrial engineering:** Process optimization, quality control, automation, and continuous improvement using Lean and Six Sigma methodologies.
- **Administrative and financial management:** Comprehensive support in planning, budgeting, financial reporting, and deliverable control.
- **Project management and coordination:** Comprehensive technical management, supervision of international standards, technical representation before investors and authorities, and total operational monitoring.

3. INTERNATIONAL STANDARDS

Consulting with Latin American identity and global validation.

Terra Mining S.A.S. works with international competency frameworks:

- **EC0249 – Mexico:** Structural methodological basis.
- **NOS – United Kingdom:** Professional performance standards.
- **EQF – Europe:** Verifiable and transferable competencies.
- **UNESCO TVET Framework:** Ethical, sustainable, and human approach to work.





4. ISO STANDARDS APPLIED

Terra Mining S.A.S. implements the most demanding ISO standards to guarantee quality, safety, and sustainability:

- **Environmental Management:** ISO 14000 (EMS, GHG, eco-design, climate change).
- **Quality and Industrial Processes:** ISO 9001, IATF, ISO 3834.
- **Occupational Health and Safety:** ISO 45001, 45003.
- **Energy and Assets:** ISO 50001, 55000, 31000.
- **Machinery Safety:** ISO 12100, IEC 61508.

5. METHODOLOGY

TERRA MINING

1. Identification and Diagnosis of the Mining Project

- Preliminary evaluation of the mining area or title.
- Review of geological, legal, and environmental background information.
- Identification of exploration, exploitation, or investment opportunities.
- Initial risk analysis and overall project feasibility.

2. Geological, Geophysical, and Geochemical Studies

- Planning of field campaigns.
- Collection, processing, and analysis of technical data.
- Preliminary geological modeling.
- Determination of mineral potential and definition of priority areas.

3. Mineral Resource and Reserve Estimation

- Application of international standards (NI 43-101, JORC, SAMREC, etc.).
- Resource categorization: inferred, indicated, and measured.
- Preliminary economic evaluation.
- Technical certification by qualified professionals (QP or CP).



4. Technical, Economic, and Environmental Assessment

- Preparation of pre-feasibility and feasibility studies.
- Conceptual mine design (open pit or underground).
- Profitability analysis (NPV, IRR, IRR).
- Preliminary environmental and social impact studies.

5. Planning and Permitting

- Preparation of the Environmental Management Plan (EMP) and Environmental Impact Assessment (EIA).
- Processing of mining, environmental, and land use permits.
- Alignment with national regulations and international standards.
- Relationship with competent authorities and local communities.

6. Detailed Engineering and Project Execution

- Design and optimization of mining and processing infrastructure.
- Implementation of control, safety, and sustainability systems.
- Technical supervision during construction and commissioning.
- Technical and regulatory compliance audits.

7. Operational Management and Continuous Monitoring

- Technical support during mining operations.
- Environmental, safety, and production monitoring.
- Periodic reports to investors and authorities.
- Closure assessment and restoration plan for the affected area.



6. VALUES

- **Technical Excellence:** Consultants certified to global standards.
- **Comprehensive Management:** Full support throughout the mining cycle.
- **Real Sustainability:** Responsible environmental strategies and community relations.
- **Economic Optimization:** Financial models and continuous improvement.
- **Transparency:** Verifiable documentation and communication.
- **Scalability:** Adaptability to projects of any size.
- **Ethical Reputation:** Commitment to legality and corporate sustainability.



7. COMMITMENT TO EXCELLENCE



At **Terra Mining S.A.S.** we integrate experience, innovation, and sustainability to create projects that transcend operational results and build institutional trust.

Excellence is not a result, it is a method.

8. COMPREHENSIVE VALUATION OF MINING TITLES

We transform your geological potential into tangible financial value.

At **Terra Mining S.A.S.**, we convert the technical information of your mining project into **concrete figures** of economic value. Our multidisciplinary team combines mining engineering, financial geology, and market analysis to offer you a **real, auditable valuation** that is attractive to national and international investors.

We apply the most globally recognized financial methods under NI 43-101 (Canada), JORC (Australia), and CIMVAL (2019) standards, ensuring **technical accuracy and credibility** with banks, investment funds, and stock exchanges.

Our main valuation methods:

1. Discounted Cash Flow (DCF)

The international standard in mining valuation. We calculate the Net Present Value (NPV) of your project considering revenues, costs, taxes, and risk rates, projecting the actual profitability of the deposit.

2. Adjusted Present Value (APV)

Ideal for projects with mixed financing. We break down the pure economic value of the deposit and the additional value of financial leverage, offering a comprehensive view for strategic investors.



3. Real Options Valuation (ROV)

We quantify the value of managerial flexibility in the face of market volatility in gold and other metals. This model estimates scenarios of expansion, pause, or abandonment, maximizing long-term decision-making.

4. Comparable Market Value

We compare your project with recent transactions of similar assets in the Americas and Europe, determining the market value per ounce or ton. A key tool for negotiations and mergers.

5. In Situ Value

We estimate the initial value of the resource based on its metal content and international prices, adjusted for recovery factors. Ideal for early stages or preliminary title negotiations.

Why choose **Terra Mining S.A.S.**?

- We apply international models that are auditable and recognized by financial institutions.
- We deliver executive reports ready for investors and capital funds.
- We integrate technical, legal, environmental, and financial risk analysis into a single document.
- Each valuation is a strategic tool to attract investment and maximize the value of your title.

From a geological resource to a financial opportunity

Whit **Terra Mining S.A.S.**, your project not only has gold underground, but real value in the market.



CONTACT

Contact us for a certified professional valuation and find out how much your mine is worth in verifiable figures.

Terra Mining S.A.S. — Where technical knowledge becomes capital.

Discover unique investment opportunities in high-value mining projects in Colombia with Terra Mining S.A.S.

We assist national and international investors in acquiring mining titles and participating in emerald, gold, and coal projects, with technical and legal support.

Terra Mining S.A.S.

- Bogotá – Colombia
- www.terramining.co
- contacto@terramining.co
- (+57) 311 564 1930

**We innovate with purpose.
We advise with responsibility.
We execute with excellence.**

