DT Global

Responsible Mineral Development

Turning mineral opportunities into responsible, investable and sustainable projects

With more than 60 years of international advisory and implementation experience across more than 90 countries, DT Global has established a reputation for working successfully in complex, frontier and rapidly evolving operating environments. We understand that successful mining projects must satisfy multiple stakeholders simultaneously: governments seeking economic transformation, investors seeking certainty, communities seeking tangible benefits, and companies seeking commercially viable projects that can be delivered responsibly. These factors increasingly influence not only approvals and financing, but also the assumptions underpinning project viability, reserve conversion and long-term value realization.

Successful mining investments depend not only on the quality of the resource, but on the strength of the policy, institutional, environmental, social and economic systems that surround it. DT Global helps clients strengthen those systems, reducing investment risk and creating the conditions for responsible, investable and sustainable mineral development.

We help create the conditions under which mining investments can proceed confidently and at scale. We do this by generating the evidence needed for decision-making, aligning projects with international standards and lender expectations, strengthening governance and institutional capacity, and translating strategy into practical systems for permitting, financing, reporting, stakeholder engagement, and implementation.

We help make mining projects:

Permittable through stronger governance, regulatory systems and environmental and social performance.

Bankable through investment-ready project preparation, due diligence and international lender compliance.

Socially Viable by strengthening social license, protecting human rights and delivering meaningful local development outcomes.

Operationally Deliverable through workforce development, institutional strengthening, implementation support and effective multi-stakeholder coordination.

These outcomes underpin every engagement we undertake and reflect the integrated approach that distinguishes DT Global within the minerals and responsible mining sector.

Who We Support

DT Global partners with organizations across the minerals ecosystem, including:

- National and sub-national governments strengthening mining governance, investment promotion, permitting systems and institutional capability.
- Development finance institutions, export credit agencies and impact investors undertaking project preparation, investment assessment and pre-finance due diligence.
- Multilateral development banks and international development partners supporting responsible mining, energy transition minerals and sustainable industrial development.
- Government agencies responsible for critical minerals security, responsible sourcing and strategic supply chain resilience.
- Mining, processing and refining companies seeking to strengthen environmental, social and governance performance while meeting lender, regulatory and investor expectations.
- Battery, automotive, defence, advanced manufacturing and technology companies seeking secure, responsible and traceable critical mineral supply chains.
- Consumer goods companies managing responsible sourcing, human rights and environmental risks across global supply chains.
- Communities, civil society organisations and Indigenous and local stakeholders affected by mining, infrastructure and industrial development.

How We Support Responsible Mining

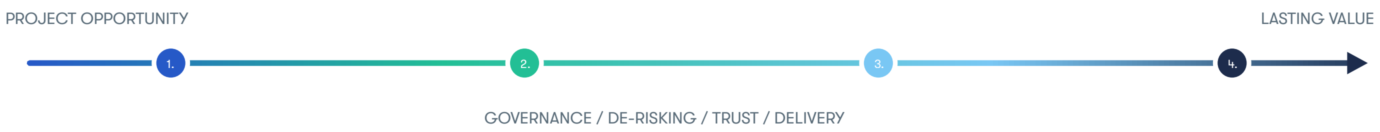
Few advisory firms combine strategic policy expertise with deep implementation capability across the mining lifecycle. We bring together specialists in minerals strategy, governance reform, project preparation, environmental and social performance, socio-economic development, investment facilitation and implementation support to help clients move projects from concept to successful delivery.

A distinctive feature of DT Global's value is helping clients preserve institutional memory across the asset lifecycle — maintaining auditable records of stakeholder engagement, commitments, grievances, benefit-sharing obligations, community investment performance and decision rationale as projects move between phases, teams and owners.

Our services are organised around four complementary capability pillars that strengthen the systems enabling successful mineral investment. Together, they help clients manage the policy, environmental, social, institutional and implementation risks that determine whether projects secure approvals, attract investment, earn community trust and deliver lasting value.

Supporting the Responsible Mining Investment Journey

1. Obtain Approvals	2. Secure Investment	3. Build Community Confidence	4. Deliver Successful Operations
DT GLOBAL CAPABILITY Strategy, Policy & Investment	DT GLOBAL CAPABILITY Environmental & Social Risk Management	DT GLOBAL CAPABILITY Social License & Inclusive Development	DT GLOBAL CAPABILITY Implementation & Capacity Strengthening
INVESTMENT ENABLEMENT Creating the enabling environment through governance, policy and ESG.	INVESTMENT ENABLEMENT Reducing approval and financing risk by supporting due diligence and project preparation.	INVESTMENT ENABLEMENT Building trusted partnerships and lasting value through robust human rights, local content, socio-economic analysis and solutions.	INVESTMENT ENABLEMENT Delivering sustainable outcomes by strengthening workforce, supply chains, capacity development, technical assistance and implementation support.
OUTCOME PERMITTABLE	OUTCOME BANKABLE	OUTCOME SOCIALLY VIABLE	OUTCOME OPERATIONALLY DELIVERABLE



Strategy, Policy & Investment

Helping governments, investors and industry unlock the long-term value of mineral resources.

The transition to a low-carbon economy has intensified global competition for minerals. Yet mineral endowment alone does not guarantee investment. Governments must create enabling policy and regulatory environments, investors require confidence in project fundamentals, and mining companies need clear pathways from exploration to development.

DT Global helps clients address these challenges by combining strategic policy advice with rigorous economic analysis, investment facilitation and institutional strengthening. We work with governments, investors and mining companies to strengthen the policy, institutional and economic systems that enable responsible mineral investment.

Our work spans national critical minerals strategies, mineral value chain development, mining policy and regulatory reform, socio-economic and fiscal modelling, project preparation, investment facilitation, workforce planning and responsible sourcing. By integrating technical, commercial and governance perspectives, we help create mining sectors that are internationally competitive, investment-ready and aligned with responsible mining principles.

Our Services

- Develop critical minerals strategies and investment roadmaps
- Identify mineral value addition and industrial development opportunities
- Strengthen mining policy, governance and regulatory systems
- Prepare projects for investment and financing
- Model economic, fiscal and socio-economic impacts
- Assess future development scenarios and investment pathways
- Analyse workforce capability, supply chains and local content opportunities
- Evaluate market competitiveness and investment opportunities
- Design responsible sourcing, traceability and circular economy strategies

Case Studies

Economic Modelling and Institutional Capacity Development

Rio Tinto | Guinea | 2023–2026

Capability Tags: *Economic Modelling | Fiscal Analysis | Institutional Strengthening | Mining Policy*

The Simandou Iron Ore Project—one of the world's largest integrated mining developments—has the potential to reshape Guinea's economy for generations. Realizing this opportunity requires government institutions capable of understanding and managing the economy-wide impacts of large-scale mining investment.

DT Global is supporting the Government of Guinea to develop and institutionalize a national Computable General Equilibrium (CGE) model capable of analyzing the macroeconomic impacts of major mining investments. Working alongside key ministries, our specialists are strengthening national capability in economic forecasting, fiscal analysis, policy evaluation and cross-government coordination while embedding advanced analytical tools within government systems.

Beyond developing the model itself, the assignment is establishing enduring institutional capability that enables government to evaluate impacts on GDP, employment, exports, public revenues, wages and sectoral growth. The work is strengthening evidence-based policy making and supporting more equitable, informed and sustainable management of Guinea's mineral wealth.

Comprehensive Mineral Value Chain Analysis

GIZ | Uganda | 2025–2026

Capability Tags: *Critical Minerals Strategy | Mineral Value Chains | Industrial Development | Policy Reform*

Uganda possesses significant deposits of energy transition minerals but faces many of the challenges common to emerging mining jurisdictions: limited downstream processing, evolving governance arrangements and a need to translate geological potential into sustainable industrial development. GIZ engaged DT Global to identify practical pathways for building internationally competitive critical mineral value chains while maximizing domestic economic value.

DT Global is undertaking a comprehensive assessment of Uganda's critical minerals sector, examining extraction, processing, market competitiveness, governance systems, responsible sourcing opportunities and institutional capacity. The analysis evaluates opportunities for value addition, beneficiation and industrial development while considering environmental, social and commercial risks across the full mining value chain.

The assignment is providing Government and development partners with an evidence-based roadmap for prioritising strategic minerals, strengthening policy and regulatory frameworks, improving investment readiness and positioning Uganda as a competitive participant in rapidly evolving global critical mineral supply chains.

Assessment of Energy Transition Minerals, Social Exclusion and Fragility

World Bank | Democratic Republic of Congo, Zambia, Burundi, South Africa and Malawi | 2024–2025

Capability Tags: *Political Economy | Critical Minerals | Social Risk | Investment Governance*

Global demand for energy transition minerals is creating unprecedented investment opportunities across Africa, but rapid sector growth also risks reinforcing existing patterns of inequality, fragility and conflict where governance systems are under pressure. The World Bank commissioned DT Global to identify how critical mineral development could better contribute to inclusive economic growth while reducing conflict risks.

DT Global analysed the complete energy transition mineral value chain—from exploration and extraction through processing, trade and benefit-sharing—to identify where governance weaknesses and socio-economic exclusion create barriers to sustainable development. Combining political economy analysis, socio-economic profiling and conflict assessment, the study examined how mineral development interacts with institutional capacity, community dynamics and broader development trajectories across five countries.

The resulting framework provides the World Bank with practical recommendations for strengthening governance, reducing conflict drivers and supporting more inclusive approaches to critical mineral development, helping ensure that investment contributes to both economic transformation and long-term social stability.

Sustainable Development of Mining in Rwanda

FCDO | Rwanda | 2017–2020

Capability Tags: *Mining Governance | Sector Reform | Investment Promotion | Institutional Development*

Recognizing mining as a strategic driver of economic diversification, the Government of Rwanda sought to strengthen governance, improve investment confidence and modernize the institutions supporting sector development.

DT Global led a comprehensive mining sector reform program that combined governance reform, institutional strengthening and investment promotion. Working with government agencies, we supported the development of modern geological information systems, strengthened mining cadastre functions, improved regulatory processes and embedded gender equality and social inclusion across sector policy and implementation.

The program strengthened Rwanda's enabling environment for responsible private investment, improved sector governance and supported the long-term formalization and competitiveness of one of Africa's fastest-growing mining industries.

Responsible Mining Framework Agreement

Sida | Global | 2025–2027

Capability Tags: *Responsible Mining | ESG | Governance Reform | Technical Assistance*

As demand for critical minerals accelerates, governments require rapid access to trusted technical expertise capable of strengthening governance, improving ESG performance and supporting responsible sector development. Through Sida's global Responsible Mining Framework Agreement, DT Global provides that expertise to Sida and the broader "Team Sweden" network.

The framework enables DT Global to deliver flexible, multidisciplinary advisory services across mining governance, critical minerals policy, responsible sourcing, environmental and social performance, investment facilitation and institutional strengthening. Assignments range from policy reform and permitting systems through to SME development, capacity building and multi-stakeholder coordination.

Environmental & Social Risk Management

Helping clients reduce project risk, secure approvals and meet international financing requirements.

Investments in minerals development stall because the systems surrounding the investment are not sufficiently prepared to support successful delivery. Weak governance, environmental and social risks, community opposition, inadequate infrastructure, institutional capacity constraints and misalignment with lender requirements can all delay approvals, undermine investor confidence and increase project costs.

Environmental and social performance is therefore no longer simply a compliance obligation — it is a strategic investment issue. Governments expect responsible development, communities expect meaningful participation, and lenders increasingly require demonstrable alignment with internationally recognized environmental, social and human rights standards before capital is committed.

DT Global helps clients anticipate and manage the environmental and social risks that influence permitting decisions, financing approvals, community confidence and operational performance. By combining technical excellence with practical implementation experience, we help create the conditions under which mining investments can proceed responsibly, attract capital and deliver sustainable outcomes over the long term.

Our Services

- Assess environmental and social investment risks
- Deliver environmental and social impact assessments
- Strengthen lender compliance and due diligence
- Design environmental and social management systems
- Develop environmental and social action plans
- Assess biodiversity, water and critical habitat risks
- Improve labour and community health, safety and security performance
- Plan land acquisition, resettlement and livelihood restoration
- Monitor environmental and social performance
- Support permitting, approvals and international financing

Our work is delivered in accordance with internationally recognized frameworks including the IFC Performance Standards, World Bank Environmental and Social Framework, Equator Principles, OECD Due Diligence Guidance, the UN Guiding Principles on Business and Human Rights and relevant national regulatory requirements.

Case Studies

Environmental and Social Impact Assessment – Integrated Fertilizer Plant

Leading commodities company | Gabon | 2015

Capability Tags: *ESIA | IFC Performance Standards | Industrial Infrastructure | Lender Compliance*

To support development of a major integrated fertilizer manufacturing facility, the client required environmental and social assessments that would satisfy international lender expectations while informing project design and regulatory approvals.

DT Global led the Environmental and Social Impact Assessments for the proposed ammonia-urea plant, associated marine infrastructure and water supply systems. Working across a multidisciplinary team, we assessed biodiversity, land use, water resources, labor and working conditions, community impacts and environmental management requirements, while preparing comprehensive Environmental and Social Management Plans aligned with the IFC Performance Standards.

The assignment strengthened the project's investment readiness by providing an internationally compliant environmental and social management framework that supported regulatory approvals, reduced environmental and social risk, and positioned the project to meet international financing requirements.

Environmental and Social Management System and Lender Due Diligence – Masela Abadi LNG Project

INPEX | Indonesia | 2013–2015

Capability Tags: *ESMS | ESHIA | LNG | International Finance*

The Masela Abadi Project is one of Indonesia's largest proposed LNG developments and represented a technically complex investment requiring environmental and social systems capable of satisfying multiple international financing institutions and regulatory authorities.

Working within demanding delivery timeframes, DT Global developed the project's integrated Environmental and Social Management System together with a comprehensive Environmental, Social and Health Impact Assessment covering both the proposed onshore LNG facility and alternative Floating LNG development scenarios. The work addressed environmental and social risks associated with offshore drilling, dredging, marine transport, workforce accommodation, supply chains and major supporting infrastructure while providing environmental and social due diligence for prospective lenders.

The resulting management framework aligned the project with the IFC Performance Standards (2012), World Bank Group Environmental, Health and Safety Guidelines, Equator Principles and Japan Bank for International Cooperation requirements, significantly strengthening investment readiness and providing confidence for project proponents, regulators and financiers.

Resettlement Planning, Livelihood Restoration and Land Access – Simandou Iron Ore Project

Rio Tinto | Guinea | 2010–2016

Capability Tags: *Resettlement | Livelihood Restoration | Land Access | Social Performance*

The Simandou Iron Ore Project—comprising the mine, a 650-kilometre trans-Guinean railway, deep-water export port and associated infrastructure—is one of the world's largest integrated greenfield mining developments. Delivering the project required land access and resettlement systems capable of meeting international lender standards while maintaining community confidence across an extensive infrastructure corridor.

DT Global advised Rio Tinto on the planning and implementation of a large-scale resettlement and livelihood restoration program delivered in accordance with the project's Resettlement Framework, the IFC Performance Standards and Rio Tinto's internal requirements. Our multidisciplinary team supported land acquisition, socio-economic surveys, asset inventories, compensation planning, livelihood restoration, stakeholder engagement, GIS-enabled information management and preparation of Resettlement and Compensation Action Plans.

As implementation progressed, DT Global designed an innovative hub-based delivery model that strengthened local engagement, improved operational efficiency and enhanced coordination with government and affected communities across the railway corridor.

The assignment established an integrated framework for land acquisition, compensation and livelihood restoration that reduced project risk, strengthened delivery capability and provided Rio Tinto with practical systems capable of supporting one of the world's most significant mining infrastructure developments.

Social License & Inclusive Development

Helping clients build trust, strengthen partnerships and create lasting social value.

Social license is earned through disciplined engagement, credible governance and meaningful partnerships. Increasingly, a project's social license to operate is as important as its technical design or financial viability. Projects that fail to sustain trusted relationships often experience delays, disputes, reputational damage and escalating costs, while those that invest in meaningful partnerships are better positioned to deliver long-term value for both business and society.

Strong community relationships are a fundamental part of the system that enables successful mineral investment. We work with governments, mining companies and development partners to strengthen those relationships through human rights, stakeholder engagement and inclusive development.

Our Services

- Build social license strategies and stakeholder partnerships
- Strengthen community engagement and participation
- Design community development and benefit-sharing initiatives
- Assess and manage human rights risks
- Develop grievance, remedy and conflict resolution mechanisms
- Strengthen local economies and supplier participation
- Design local content and inclusive employment strategies
- Analyse socio-economic impacts and development opportunities
- Restore livelihoods and strengthen community resilience
- Facilitate multi-stakeholder collaboration

Case Studies

Porgera Remediation Framework

Barrick Gold & Porgera Remediation Framework Association | Papua New Guinea | 2011–2015

Capability Tags: *Human Rights | Remedy | Gender Equality | Social License*

Following serious human rights abuses associated with mine security operations, Barrick Gold sought to establish a credible, survivor-centered remedy mechanism aligned with the United Nations Guiding Principles on Business and Human Rights. The initiative represented one of the mining sector's earliest and most significant efforts to operationalize rights-compatible remedy in a complex operating environment.

DT Global partnered with Barrick Gold and the independent Porgera Remediation Framework Association to design and implement the complete remedy framework, including governance arrangements, confidential claims assessment, survivor support services, stakeholder coordination and delivery of integrated remedy packages through partnerships with financial institutions, healthcare providers, legal services and community organizations.

The framework established an internationally recognized model for corporate accountability, demonstrating how transparent governance, community trust and effective remedy can strengthen long-term relationships between mining companies and affected communities.

Human Rights Impact Assessment

BHP Billiton | Indonesia | 2015

Capability Tags: *Human Rights | Due Diligence | Operational Governance | Capacity Building*

BHP sought to strengthen its understanding of human rights risks associated with mining operations and ensure that international standards were embedded within operational decision-making rather than treated solely as compliance requirements. DT Global undertook a comprehensive Human Rights Impact Assessment examining land access, labour practices, contractor management, stakeholder engagement and community relationships. Working closely with operational teams, we identified salient risks and developed practical recommendations for integrating human rights considerations into everyday management systems.

Complementing the assessment, DT Global designed and delivered role-specific training for managers, supervisors and frontline personnel, strengthening organisational capability to identify, manage and respond proactively to human rights risks across the project lifecycle.

Social Investment Landscape Assessment

Global diversified mining company | Mozambique | 2025

Capability Tags: *Social Investment | Strategic Partnerships | Socio-economic Analysis | Community Development*

A global diversified mining company sought a robust evidence base to guide future social investment and maximize the long-term value created through its community partnerships in Mozambique.

DT Global undertook an extensive landscape assessment combining policy analysis, socio-economic research and stakeholder engagement across government, civil society, development partners and the private sector. The work identified development priorities, existing initiatives and opportunities for collaborative investment across health, education, livelihoods, economic development and environmental management.

The assignment strengthened the client's social investment strategy by providing an evidence-based framework for building enduring partnerships, reducing social risk and supporting responsible project development.

Implementation & Capacity Strengthening

Turning strategy into operational capability.

Successful mining investments are ultimately judged not by the quality of their strategies, but by their ability to translate commitments into operational capability and measurable outcomes. Governments, investors and mining companies increasingly recognize that implementation is where value is realised and where delivery risk emerges.

DT Global specialises in bridging the gap between strategy and execution. We work alongside governments, mining companies and development partners to strengthen institutions, develop workforce capability, improve supplier participation, coordinate complex partnerships and establish practical systems that enable responsible mining projects to move confidently from planning into implementation.

We also help clients translate environmental and social commitments, community investment obligations, grievance and remedy processes, and stakeholder engagement into practical management systems that support reporting, lender compliance, audit readiness and continuous improvement.

By combining technical assistance, institutional strengthening, workforce development and implementation support, we help ensure that mining investments deliver enduring operational, economic and social outcomes.

Our Services

- Translate strategy into implementation
- Strengthen institutional capability and governance
- Build workforce skills and organisational capacity
- Develop local suppliers and value chains
- Deliver technical assistance and knowledge transfer
- Coordinate multi-stakeholder partnerships
- Develop implementation roadmaps and delivery frameworks
- Monitor performance and support adaptive management
- Establish operational systems for reporting and continuous improvement

Case Study

Local Workforce and Supply Chain Strengthening

Global mining company | Kenya | 2023

Capability Tags: *Workforce Development | Local Content | Supply Chains | Industrial Development*

As the company advanced a major green energy and industrial development initiative in Kenya, understanding local workforce capability and supplier readiness became essential to maximizing national economic participation and supporting successful project delivery.

DT Global conducted a comprehensive assessment of labor markets, technical skills, supplier capability and local business ecosystems across both construction and operational phases. The analysis identified barriers to local participation while highlighting practical opportunities for targeted investment in workforce development, SME growth and supplier capability.

The assessment provided the client with an evidence-based foundation for local content planning, informing procurement, workforce and investment strategies that strengthen domestic participation and create lasting economic benefits.