

CURRICULUM VITAE



EDUARDO (ED) ZAMANILLO - P.ENG / MBA

MINING INVESTMENT EXECUTIVE | BUSINESS DEVELOPMENT | M&A |
PROJECT FINANCE | CRITICAL MINERALS & RARE EARTHS | AUTHOR

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QUALIFICATIONS

M.B.A.	2012	Cranfield School of Business. Cranfield University – England, UK
Master	2008	Faculty of Industrial Engineering, Universidad de Chile
BSc (Eng)	2000	Mining Engineer, Pontificia Universidad Catolica de Chile

EXPERTISE

- Mining Investment Strategy & M&A
- Project Finance, Capital Structuring & Risk Analysis
- Due Diligence & Independent Engineer
- Critical Minerals, Battery Metals & Rare Earths Investment
- Mineral Asset Valuations & Economic Modelling
- Joint Ventures, Strategic Partnerships & Stakeholder Alignment
- Capital Markets Advisory, IPOs & Equity Placement
- ESG Integration, Sustainability Strategy & Vision 2030 Compliance
- Cross-Border Transactions & Government Relations
- Energy Transition & Resource Security Strategy

Global Mining Investment | M&A | Project Finance | Critical Minerals

Mining executive and author with over 25 years of international experience in mining investment, M&A, project finance, and capital markets, specializing in critical minerals, rare earths, and battery metals. Co-author of *Mining is Dead. Long Live Geopolitical Mining* (QM Books, 2025), a publication exploring the geopolitics of critical minerals and allied supply chain partnerships. Recognized for structuring complex cross-border transactions and advising on strategic resource security and energy transition mandates.

Currently Mining Director at SLR Consulting, advising institutional investors, sovereign wealth funds, and developers on due diligence, feasibility, and investment strategies. Former CEO and founder of a metals exploration company, with expertise in corporate strategy, stakeholder alignment, ESG, and resource development.

- **Mining Investment & M&A** – Led acquisitions and JV transactions, including Mitsui's entry into Caserones and Anglo American Sur; architected the 2012 Mitsui–Li3–POSCO–Daewoo JV to secure lithium rights at Maricunga in Chile.
- **Project Finance & Capital Structuring** – Designed funding strategies for major resource projects, including Independent Engineer mandates and fatal flaw reviews across multiple jurisdictions.
- **Independent Engineer & Technical Due Diligence** – Acted as Independent Engineer for major mining projects on behalf of lenders and financial institutions, delivering technical due diligence, and investment-grade reporting across gold, lithium, phosphate, and iron ore assets.
- **Strategic Business Development** – Spearheaded international exploration and development strategies, securing greenfield and brownfield assets.
- **Critical Minerals & ESG Strategy** – Experience with lithium (hard rock and brines), tantalum-niobium, phosphate, rare earth elements, and silicon metal; integrated ESG principles into technical studies and investment cases.
- **Cross-Border Execution & Government Relations** – Led mining investment strategy in MENA and LATAM, engaging with regulators, ministries, and community stakeholders to enable project development and alignment with national diversification plans.

EXPERIENCE

SLR Consulting,
Canada
2021 – Present

(formerly Roscoe Postle
Associates Inc. / RPA)

Mining Director, Principal Mining Engineer

Lead SLR's mining advisory practice (M&A), delivering technical, financial, and ESG advisory across the full project lifecycle—from exploration to closure. Act as technical advisor to sovereign wealth funds, private equity, development banks, and multilateral institutions on mining investment and project development across emerging and frontier markets.

- Led comprehensive due diligence and feasibility assessments for major investors and financial institutions across the Americas, Africa, the Middle East, and Asia.
- Directed technical due diligence and feasibility reviews for projects across Africa, the Middle East, Asia, and the Americas, including assignments in Saudi Arabia, Egypt, Mauritania, and Morocco.
- Served as Independent Engineer for international lenders and DFIs, including Islamic Development Bank, JBIC, and European export credit agencies, evaluating large-scale assets in gold, lithium (brine/hard rock), iron ore, phosphate, silicon metal, and rare earths.
- Led lender due diligence and risk assessments for projects including two Iron Ore Project in Mauritania, Gold Mine in Egypt, Al Jalamid Phosphate Project, and Sinova Global's Silicon Metal Project.
- Provided strategic and technical M&A advisory on mining transactions, advising sovereign funds, institutional investors, and mining corporates on deal structuring and project finance.
- Developed NI 43-101, JORC, and S-K 1300-compliant documentation for strategic minerals projects such as James Bay Lithium, Moblan West (Lithium), James Bay Niobium, and Nechalacho (REE/Ta-Nb).

nGen-ko Resources,
Canada / Chile
2017 - 2022

CEO and President

Founded and led a private mining venture focused on the exploration and development of base and precious metals in Chile. Directed all aspects of corporate strategy, investor engagement, project financing, permitting, and exit execution.

- Secured equity financing for greenfield exploration programs, demonstrating advanced knowledge in capital raising from private equity and strategic investors.
- Structured and consolidated mineral assets to enhance marketability and valuation, paving the way for future JV and divestment opportunities.
- Successfully negotiated the sale of the Stingray Project (North Zone), optimizing deal value and maximizing shareholder returns through strategic asset positioning.
- Led permitting, environmental baseline studies, and early-stage ESG initiatives in alignment with Chilean regulations and IFC performance standards.
- Cultivated partnerships with Chilean stakeholders, including local communities and regulatory authorities, ensuring long-term project viability and social license to operate.

<p>Grupo BAL (Fresnillo/Peñoles) México 2019 - 2021</p>	<p>External Technical Board Advisor / International Business Development</p> <p>Grupo BAL is a leading Mexican conglomerate with operations in non-ferrous metal extraction, smelting, refining, and chemical production (Fresnillo/Peñoles).</p> <ul style="list-style-type: none"> • Advised the board on strategic investments in copper assets, expanding Grupo BAL’s presence in international markets. • Conducted reserve and resource valuations for key mining projects, facilitating capital allocation and project financing. • Partnered with financial institutions to develop funding strategies for greenfield and brownfield expansions.
<p>MITSUI & Co. LATAM / Chile / England 2009 - 2018</p>	<p>Mining Development Manager / Mining Leader LATAM</p> <p>Led Mitsui’s mining investment activities across Latin America, managing acquisitions, strategic partnerships, and project finance in copper, lithium, and mining technologies. Served as Mitsui’s technical and commercial representative in high-level joint ventures and cross-border transactions.</p> <ul style="list-style-type: none"> • Structured and led Mitsui’s entry into the Maricunga Lithium Project, forming a JV with Li3 Energy, POSCO, and Daewoo to secure brine extraction rights in Chile’s Maricunga Salar. Played a key role in negotiating partner alignment, resource access, and integrating POSCO’s Direct Lithium Extraction (DLE) technology—a first-mover approach in high-altitude brine development. • Represented Mitsui on the board-level governance of key JV operations, including Compañía Minera Doña Inés de Collahuasi, overseeing project performance, capital allocation, and long-term strategy in one of the world’s largest copper operations. • Directed Mitsui’s copper growth strategy in South America, leading the technical and commercial evaluation of more than 21 regional projects and executing major portfolio transactions. Oversaw the acquisition of a 25% interest in the Caserones Project (2011); structured the 2010 Codelco–Mitsui Acrux JV that enabled Codelco’s acquisition of 49% of Anglo American Sur (later converted into an approximate 25% effective interest); supported Mitsui’s acquisition of a strategic stake in the Collahuasi operation; and led the divestment of Mitsui’s interest in Los Pelambres as part of a broader portfolio rebalancing toward long-term copper resource security.. • Managed a dedicated Mitsui fund for strategic mining technology investments, identifying and supporting innovation in ore processing, water treatment, and remote operations to drive long-term sustainability and value creation. • Coordinated cross-cultural negotiations between Japanese, Latin American, and global partners, ensuring effective alignment across technical, financial, and ESG dimensions.

<p>BHP – Base Metals Chile 2002 - 2008</p>	<p>Various Positions Including Head of Technical Services and Business Development</p> <p>Progressed through technical, planning, and strategic development roles within BHP’s Base Metals division, beginning with the global graduate program and advancing into leadership within Technical Services and Business Development. Worked on flagship assets including Escondida and Cerro Colorado.</p> <ul style="list-style-type: none"> • Directed long-range mine planning and investment strategies for BHP’s key copper operations, contributing to production optimization, capital allocation, and long-term asset valuation. • Conducted business valuations, scenario analysis, and risk assessments for South American assets, supporting board-level investment decisions and project prioritization. • Played a strategic role in BHP’s Business Development team, supporting deal evaluation, JV structuring, and portfolio optimization initiatives across copper and base metals. • Collaborated with multidisciplinary teams across operations, geology, and finance to integrate technical performance with commercial decision-making frameworks. • Gained deep exposure to project economics, resource expansion strategy, and internal capital planning processes at a Tier 1 mining major.
<p>Exxon / Anglo American Chile 2000 - 2002</p>	<p>Mine Production Superintendent</p> <p>Led mine production activities at one of the world’s largest open-pit copper operations. Focused on operational efficiency, cost control, and safe execution of daily mining plans in a high-altitude environment.</p>
<p>Meridian Gold Chile 1999-2000</p>	<p>Underground Mine Engineer</p> <p>Supported the technical evaluation, development planning, and operational strategy of underground mining projects, ensuring economic viability, risk mitigation, and sustainable operations.</p>
<p>Publications</p>	<ul style="list-style-type: none"> • Mining Is Dead. Long Live Geopolitical Mining (QM Books, 2025) — Co-author. A geopolitical analysis of critical minerals, industrial policy, and supply chain sovereignty. Available at Barnes & Noble. • “Geopolitical Mining: From Ore to Order in a World of Engineer and Juridical States” — White Paper (2022, Zenodo DOI: 10.5281/zenodo.17246391). • Regular contributor to professional and policy discussions on critical minerals.
<p>Memberships and Associations</p>	<ul style="list-style-type: none"> • P.Eng. Association of Professional Engineers of Ontario • Member, Canadian Institute of Mining, Metallurgy and Petroleum • Registered Member, Society of Mining, Metallurgy, and Exploration (SME) • Registered Member and Competent Person, Chilean Mining Commission • Member of the Prospectors and Developers Association of Canada (PDAC)