

Dennis B Gibson – FSAICE, BSc (Civil Eng), MSc (Eng), MBA

President Snowline Group LLC

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SUMMARY

Seasoned business executive, thought leader and advisor to governments, publicly listed and private companies. 40+ years international experience in mining companies including Rand Mines in South Africa and 20 years with global miner Rio Tinto in various operational and strategic roles including Executive Committee member with ASX Listed Energy Resources of Australia. He served as Chief Technical Officer Mining with engineering firm Black & Veatch, a leading global engineering, consulting and construction company. Dennis provides consulting services and strategic market entry advice to clients leveraging his vast international experience, deep industry knowledge and extensive networks. Strong focus on sustainability, future metals and critical minerals, application of innovative solutions and technologies at operating and closed/legacy sites. International thought leader and speaker. Published inter-alia in Global Water Intelligence, CIO Review, Mining Magazine, CIM Magazine, Engineering and Mining Journal, Mining Weekly, Mining Review Africa. President of Snowline Group, global mining management consultants. Co-founder Future Element full-service tailings reprocessing company. Chairman Critical Minerals Association – USA.

PROFESSIONAL HISTORY

Snowline Group, USA

2020 -

President

Founded Snowline Group to provide niche consulting and business development services, technical due diligence, market entry and growth strategies and solutions, leveraging extensive global relationships in the mining and support sectors. Safety and sustainability are foundational to all solutions. International thought leader and speaker. Clients include mining companies and suppliers, venture capital, consulting firms and technology providers.

Black & Veatch, USA

2014 – 2020

Chief Technical Officer Mining

Accountable for the international mining technical leadership and integration of the expertise of Black & Veatch providing services into the global mining sector. Development and leveraging of thought leadership in key areas of mining, including safety, sustainability, mine water management and power, carbon footprint reduction, renewable energy, technology, and digital transformation.

- Played a key role in strategic planning and implementation of Black & Veatch's successful market entry into mining from early brand awareness to significant project wins with major miners.
- Active in thought leadership related to mining and sustainability.

Dennis Gibson & Associates Pty Ltd, Australia

2009 – 2014

Director

Established DGA to provide innovative specialist management, technical and consulting services, including strategic market entry and business development advice to national and international companies targeting sale of products and services to the mining industry.

- Clients included inter-alia West Australian and Israeli Governments, Golan Plastics Israel, The Austock Group, Leighton Holdings, McKinsey & Co, Global Water Intelligence, Leighton Holdings
- Keynote Speaker at Watech - Tel Aviv, on technology opportunities in the Australian Mining Sector.
- Invited guest speaker at the Global Water Summit in Berlin.
- Retained by global 100 year old engineering firm investigate and develop a successful market entry strategy to penetrate the multi-billion dollar international mining market.

Rio Tinto Iron Ore Expansion Projects, Australia

2007 – 2009

General Manager, Water Resources

Established the cross functional team responsible for the development and implementation of the water management strategy in the Pilbara to ensure secure and reliable access to vast below water table ore deposits.

- Managed high-level contacts with government and major international industry leaders to seek ways to move water from a cost to a value proposition. Chaired several committees on mine water management.
- Appointed Chair multi-organizational team which developed the Leading Practice Sustainable Development Handbook on Mine Water Management for the Australian Government and invited to judge the Australian Water Alliance Awards.
- Member of high-level Australian trade delegation to Israel representing mining industry.
- Chaired the global team tasked with the development of the five-year Rio Tinto Group water targets.

Energy Resources of Australia Ltd (ERA)

2005 – 2007

General Manager – Technical Projects

Established the technical projects team targeting maximization of shareholder value through identification prioritization, development and implementation of technical projects to extend mine life and improve operations.

- Focused on key areas of life of mine planning; implementation of closure management strategies; and full spectrum project management services with multi \$million budgets.
- Identified and managed life of mine extension opportunities in the uranium business resulting in a 10-year life extension primarily from technical advances including innovative radiometric sorting.
- Member of the ERA Executive Committee a company listed on the ASX.

Rio Tinto Technical Services, Australia

2000 – 2005

Principal Consultant – Manager

Transferred to Australia to lead, develop and improve Rio's global strategic and operational water management capacity. Lead technical due diligence on several major capex projects reporting to the Rio Tinto investment Committee. Promoted to the most senior position in Rio Tinto for water management and appointed leader of the Excellence in Water Management initiative.

- Pioneered the "Excellence in" Diagnostic frameworks (water, closure, projects) - leading practice risk-based, diagnostic methodologies which were rolled out to over 40 operations globally. This diagnostic framework identified, and mitigated significant risks to production and business reputation.
- Study manager of project team for proposed ~ C\$250M Tailings disposal project that identified innovative solution which resulted in significant capex savings of ~C\$100M and gained acceptance by Canadian Regulators in Labrador, Canada.
- Member of several Technical Evaluation Group (TEG) teams reporting to Rio Tinto Investment Committee on large capex projects related to water and environmental projects.

Richards Bay Minerals, Republic of South Africa (RSA)

1997 – 2000

Chief Engineer / Manager Capital Projects

Managed multi-disciplinary team of ~75 professionals responsible for management of full project lifecycle of major capital projects with annual capital expenditure of in excess \$50M.

Richards Bay Minerals, RSA

1989 – 1996

Chief Civil Engineer / Hydrologist

Accountable for management of all civil infrastructure capital projects at the mine as well as life of mine strategic water resource planning and execution including environmental impact assessments.

Rand Mines Mining & Services, RSA

1986 – 1988

Environmental Protection Engineer Consultant

Consulted to the Rand Mines Coal Group on all aspects of environmental protection including mine rehabilitation, water, air, and mine closure planning.

EDUCATION

BSc (Civil Engineering), **Natal University**, Republic of South Africa

MSc (Engineering), **Natal University**, Republic of South Africa

MBA (Executive Management), **Henley Management College**, United Kingdom - Top 20 Prizewinner

Diploma in Management, **Henley Management College**, United Kingdom