



MININGASSOCIATES

Welcome to the Mining Associates Network

MA Consulting Network provides leading geological, resource and mining consultancy services worldwide, with offices in Brisbane and Perth. Through its large network of experienced professionals, Mining Associates can assemble skilled teams to provide expert technical advice across a wide range of mineral commodities, geological settings and mining methods.

Our capabilities range from exploration to feasibility studies, mining operations and mergers and acquisitions.

Our clients include exploration and mining companies, financial institutions, stockbrokers, law firms and auditors.

Our network of associate consultants are recognised as experienced industry professionals and competent persons for all major stock exchanges and are skilled in JORC and NI 43-101 reporting.

Network Capabilities

Geology	Competent and Qualified persons in Exploration Geology & Management, Project Generation, Mapping, Geophysics, Geochemistry, Petrography, QAQC
Resources	Competent and Qualified persons in Resource Estimation and Geostatistics, Independent Technical Reports (JORC-2012, NI43-101), Reconciliations
Studies	Competent and Qualified persons for Metallurgical and Mine studies, Feasibility, Pre-Feasibility and Scoping Studies, Independent Technical/Expert Reports for major exchanges (ASX, TSX, AIM, HKSE) & IPO's
Operations	Competent and Qualified persons for Ore Reserves, Project and Mine Management, Fixed and Mobile Plant Asset Management, Mine Design, Metallurgy, Geotechnics, Mine Geology, Grade Control
CSR	Exploration Corporate Social Responsibility, with partner groups: Environmental Studies, Mine and Process Site Remediation, Mine Closure
Corporate	Due Diligence & Audits, Mergers & Acquisitions, Finance, Valuations, Restructure & Change Management, Operational Review, Legal & Contracts, Expert Witness

Commodity Expertise

Precious Metals	gold, silver, platinum group (Au, Ag, PGMs)
Base Metals	copper, lead, zinc (Cu, Pb, Zn)
Bulk Commodities	iron ore, aluminium, (Fe, Al)
Steel Industry Metals	nickel, chrome, titanium, vanadium, molybdenum, manganese (Ni, Cr, Ti, V, Mo, Mn)
Rare Metals	tin, tungsten, bismuth, cobalt, rare earth elements (Sn, W, Bi, Co, REE)
Industrial & Construction	clay, sand, dimension stone, limestone, fluorite, potash, phosphate & others
Energy	coal, gas, uranium, oil, shale
Specialty	diamonds, gems & others

Contact Us

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Through its network of Associates, MA can source and build multidisciplinary teams with knowledge and experience in all aspects of the Mining Business. Some of our Associates:



ANDREW J. VIGAR | Principal Geologist | BSc (App. Geol.), FAusIMM (CP), MSEG, MAIG

Andrew is a geologist with 40 years' experience in the minerals industry covering exploration to mining, corporate finance and education. He held multiple executive level positions prior to commencing consulting in 1996. He founded Mining Associates in 2003, Alligator Energy (ASX:AGE) in 2010 and K92 Mining in 2015. He is the Chairman of Mining Associates, the Brisbane Mining Club and lectures at the University of Queensland.



IAN TAYLOR | Principal Resource Geologist | BSc Geology (Hons), Grad Cert, MAusIMM (CP), MAIG

Ian is a Chartered Professional Geologist with over 25 years in the mining industry encompassing roles from Geologist to Resource Manager including Exploration and Mine Geology functions. Ian has experience in a range of commodity styles including orogenic gold, epithermal gold and silver, porphyry copper-gold-molybdenum, komatiitic nickel sulphide, intrusion related gold and VMS deposits. He meets JORC CP and NI 43-101 QP requirements for reporting of resources for orogenic gold, epithermal gold, intrusion related gold, porphyry copper-gold-molybdenum and komatiitic nickel mineralisation styles.



STEVE LE BRUN | Principal Resource Geologist | BSc Geology (Hons), MSc, FAusIMM (CP), FAIG

Steve has over 25 years' experience in the resources sector throughout Europe, Africa, the Americas, CIS and Australasia and manages MA's Business Development for Europe, CIS, Africa. He has worked for Rio Tinto, Normandy-LaSource, Ma'Aden and Kazakhmys and as a consultant to major and junior companies. Steve has also worked closely with AMC, Hatch, Snowden and CSA Global. Steve's experience includes: Investment project identification and acquisitions throughout Europe, CIS, Middle East & Africa; Strategic and corporate relationships with mining companies, investment banks and private-equity funds; Geological modelling/geostatistics, resource and reserve estimation, QA/QC, database administration and validation, audits, IG reports, NI43-101 reports and reviews.



JAMES LALLY | Principal Structural & Resource Geologist | BSc Geology (Hons), MSc, PhD, MAIG

James is a Principal Resource, Exploration and Structural Geologist, with 20 years experience in the mineral exploration industry. He is experienced in project generation, exploration project management, technical due diligence, GIS, data management, resources and structural geology. Expertise includes proficiency and implementation of GIS and database systems, structural geology, regional to prospect/deposit scale mapping, integration of geological and geophysical data into 2D and 3D geological models.



TONY WOODWARD | Principal Geologist | BSc (Geology) Hons, MSc Expl & Mining, MAusIMM

Tony is a highly experienced geoscientist with senior level experience in minerals exploration, mine geology and project management. He is an experienced manager with a track record in brownfield exploration for gold and base metals. He has established and successfully managed technical services departments at underground and open-cut gold and copper mines in Australia, Africa and the Pacific. He is experienced with Ni43-101 and JORC reporting protocols and a CP/QP for mining, metallurgy and geology (due to his technical services management exposure). Tony is also a CP/QP for Placer and mineral sands deposits.



KYLIE PRENDERGAST | Principal Geologist | BSc Geology (Hons), PhD, MAIG

Kylie is an experienced geologist with 20 years' experience in the minerals industry. She has been involved in and managed projects in Australia and abroad, at all stages including business development, project generation, exploration, discovery, feasibility and mine development.



CRAIG BROWN | Principal Process Engineer | B.E. (Chem. Eng.) Grad.Dip. Geosci., MAusIMM

Craig has over 30 years experience in metallurgical engineering, management and consulting in the mineral processing / mining industries. Experience includes management levels for operating companies, project design and engineering through to commissioning for both smaller and major complex processing facilities and provision and management of consulting services to new projects and current operations. His technical expertise includes alluvial processing, heap leaching and concentrator design and operation; covering Crushing, Grinding and Classification, Heavy Medium Separation, Gravity Separation, oxide and sulphide Flotation, Leaching, Thickening, Tailings Treatment, Filtration and Process Control. He has direct experience in recovery of, and commercial aspects of, many mineral commodities including gold, copper, silver-lead-zinc, nickel, magnesium, tin, iron-ore, mineral sands, industrial minerals, uranium and coal.



WAYNE ANDERSON | Principal Process Engineer | B Eng (Mineral Processing), Grad Dip Finance, MAusIMM

Wayne has over 28 years of international experience in mining, power, gas and process infrastructure industries. This experience is from involvement in a wide variety of operations, projects and studies. Roles have included executive, operational, project/study development and financial management. Previous employers include Ausenco, Rio Tinto Limited, Duke Energy International, United Group Limited and Falconbridge Limited.



RAY KOENIG | Principal Process Engineer | BSc, Dip Metallurgy, FAusIMM

Ray has worked in the mining industry for 40 years in operational, technical and managerial roles. His extensive experience in iron ore covers both magnetite and hematite projects in the operational, study and design areas with a strong emphasis on innovation and team leadership.



RICHARD JOHNSON | Principal Engineer | BSc Eng Mining (Hons) London, GDE, FAusIMM

Richard has extensive experience in corporate development, production and mine management, new project development, exploration, mergers and acquisitions, and due diligence. He has good relationships with a wide network of mineral industry professionals including investment bankers, brokers, corporate advisors and financiers as well as engineering and consulting groups. His experience in countries such as DRC, Zimbabwe, PNG and Fiji has resulted in building strong relationships with stakeholders at all levels from government to landowners.



MALCOLM WYBURN | Principal Engineer | BEng, MBA, Mine Manager (Qld, Vic, NT, WA)

Malcolm has over 40 years' experience in the mining industry. This covers a wide range of metalliferous mining methods, from small to large scale underground as well as open cut operations. Post graduate studies include an MBA 1990 to 1995 and a Graduate Certificate in Minerals Industry Risk Management 2000 to 2003. Consulting projects include project reviews, feasibility studies, developing planning strategies, contract tenders and documentation, ore reserves, risk assessments and miscellaneous operations support.



MARK MODDEJONGEN | Principal Engineer | BEng, FAusIMM, RPEQ, CPE

Mark has over 30 years mining experience in various roles and minerals. He has worked on gold, copper, silver, lead, zinc, nickel, magnetite, iron ore, cobalt, molybdenum, feldspar, silica sands, chrysoprase, coal, projects and mines in Australia, Kazakhstan, Argentina, PNG, New Zealand, Fiji, Indonesia, Solomon Islands, Serbia, India, Laos, Armenia, South Africa, Tajikistan, Russia, DRC, Bangladesh, Eritrea, Uganda, Zambia, Dominican Republic, Tanzania, and China.



BRUCE WRIGHT | Principal Engineer | BEng, BSc, MBA, Juris Doctor Law (JD), FAIM, FAICD, RPEQ; Mine Manager (Qld, NSW & NZ)

Bruce has over 30 years experience in surface and underground mining in Queensland, New South Wales and New Zealand. He has managed mining operations in QLD & NSW and has been a General Manager of mining operations in QLD & Company Director of an International Mining company. He has been a Mining Consultant for 12 years involved with coal, gold, nickel, iron ore, rare earths and uranium. Bruce had developed the GHD multi-discipline Mining Services Group Brisbane and headed up that group as Manager Mining for 4.5 years undertaking resource evaluation, mine design, feasibilities, economic evaluations and due diligence.