



MAGICMIRROR
resource consulting

A Reflection of Innovation

A knowledge and experience-based consultancy specializing in responsible mineral resource development and mining-related environmental management.



ABOUT US

WE are a Premier MINERAL RESOURCE CONSULTING FIRM focused on providing advice and solutions covering the full VALUE CHAIN of the mineral resource industry.

Our PROFESSIONAL SERVICES include geology, hydrogeology, mining engineering, processing, metallurgy, social and environmental management, market analysis and mineral economics. These services are integral to the assessment of geological potential, mineral resource estimation, preliminary economic assessment, pre-feasibility and feasibility studies, review of mining and mineral projects, economic analysis, risk management, closure and reclamation planning, and environmental and social management systems.

We are TRUSTED ADVISOR in the mineral resource industry. **We partner with** clients from the private and public sectors as well as from not-for-profit institutions. In the public sector, our advice includes recommendations on mineral legislation and policy, fiscal regime and taxation framework, sustainability initiatives and capacity building, and guidelines and best practices for the mining and quarrying industry.

Our MISSION is to deliver services with the quality and standards that go beyond the expectations of our clients and business partners by leveraging **on our INTELLECTUAL CAPITAL and EXPERIENCE**. We are **committed** to create and deliver **VALUE** to our clients, and work towards fostering synergistic long-term relationships that would ensure **SUSTAINABLE GROWTH and PROFITABILITY**.

OUR TEAM – INTELLECTUAL CAPITAL and EXPERIENCE.

FORMED in 2014 on a consultancy platform of **Magic Mirror Resource Consulting**, **OUR TEAM** comprises **HIGHLY QUALIFIED TECHNICAL and SCIENTIFIC EXPERTS** each having more than 40 years of regional and international working experience in the mineral resource industry, either as top professionals in the Government or captains of the industry in the private sector, or both.

We tap into our individual consultant's and associate's network and expertise specialising in various fields, collectively to provide multidisciplinary professional services to help our clients succeed in addressing any issues pertaining to mineral resource evaluation, development, mining, mineral processing and mining-related environmental management.

Our extensive **PUBLIC** and **PRIVATE SECTOR BACKGROUNDS** and familiarity with the systems, procedures and aspirations within the two sectors, and the networks we have established enable business processes to be undertaken timely, efficiently and effectively.

We have developed **INTERNATIONAL NETWORKS** and **ASSOCIATIONS WITH GLOBAL INDUSTRY SPECIALISTS** and **EXPERIENCED PROFESSIONALS** in all technical and management disciplines of the mineral resource industry to provide completely integrated and cost-effective professional services.

PRINCIPAL ACTIVITIES

* **CONSULTANCY SERVICES** on all aspects of responsible mining from upstream to downstream, specialising in mineral policy & planning, outreach, resource evaluation, development, mining, mineral processing and mineral-related environmental management.

* **ADVISORY SERVICES** covering the full value chain of the mineral industry, from reporting to licensing, as well as financing, marketing and trading.

* **MANAGEMENT AND EDITORIAL SERVICES** for publication, events management and outreach programmes with counterpart

Our Team



Dato' Seri Mohd Ajib Anuar
Chairman

Dato' Seri Ajib is a mineral resource industry professional with more than 50 years of extensive experience in key positions, providing strong leadership and sustainability in the global value chains of mineral resource industry, from the upstream sectors of mineral exploration, mining and processing, to smelting, international trading and downstream products manufacturing and value adding.

He is currently the President of the Malaysian Chamber of Mines (since 2003) as well as the President of the ASEAN Federation of Mining Associations (since 2016). He is also the chairman of the Malaysian Tin Industry (Research and Development) Board (since 2003) and the Kuala Lumpur Tin Market (since 1997).

Dato' Seri is also an Independent Non-Executive Chairman of a closed-end investment fund, icapital.biz. Berhad which is listed on the Main Market of Bursa Malaysia Securities Bhd (Director since 2005).

Past key positions held by Dato' Seri Ajib include:

- *Group CEO and Executive Director of public listed Malaysia Smelting Corporation Berhad (1994 to 2013). MSC is one of the world's largest tin mining and smelting groups.*
- *Director of Rahman Hydraulic Tin Sdn Bhd (100% subsidiary of MSC), Malaysia's largest operating open-pit hard rock tin mine (1994 to 2016).*
- *President of International Tin Research Institute (now International Tin Association) for two terms (2002 to 2006 and 2012 to 2014) whilst serving as Director and Board EXCO member (1994 to 2022)*
- *Member of the Tin Committee of the London Metal Exchange (2011 to 2016).*
- *External Consultant to the world's largest integrated tin mining and smelting group, Yunnan Tin Company Limited of China (2017 to 2021)*
- *Various senior positions in finance, international marketing and business development in Malaysia Mining Corporation Berhad Group (now MMC Corporation Berhad) (1971 to 1994). In early 1980s, MMC was the world's largest integrated producer of Tin, and had significant investments in gold and diamond companies in Australia. In international marketing, MMC traded in minerals, base and precious metals including tin, gold, copper, lead, zinc, aluminium, ilmenite, iron ore, ferro-alloys and coal.*
- *Deputy Chairman of the Kuala Lumpur Commodity Exchange (trading in commodities futures contracts - palm oil, rubber, cocoa and tin) (1988 to 1993).*
- *Chairman of Malaysian Futures Clearing Corporation (1990- 1993).*

Dato' Seri Ajib holds the professional qualification of the Association of Chartered Certified Accountants (ACCA), United Kingdom.



Dato' Yunus Abd Razak
Director/Consulting Engineering Geologist

Dato' Yunus is a Registered professional Geologist and Chairman of the Board of Geologists (BOG). He is also a Fellow of Institute of Geology Malaysia (IGM) as well as Geological Society Malaysia, formerly serving as Chairman for both. He was formerly the longest-serving Director-General of the Department of Mineral and Geoscience (JMG), and had served on Tin Industry (R&D) Board,

National Mineral Council, National Land Council, National Water Resources Council and National Geoheritage Committee, and was Chairman of the Malaysian National Committee for International Geoscience Programme for 10 years. He was Malaysia's permanent representative to the Coordinating Committee for Geoscience Programme in East and Southeast Asia, previously serving as its chairman and also headed various international delegations



Teoh Lay Hock
Director / Consulting Geologist

Mr Teoh Lay Hock is a Registered Professional Geologist with 50 years of working experience specializing in mineral resource development and mineral economics. Graduating with 1st Class Honours in Geology and Geochemistry from Victoria University of Wellington, NZ, he served the Malaysian Government for the first 24 years of his career in the then Geological Survey of Malaysia. He was credited with the establishment of the mineral intelligence unit and was actively involved with the formulation of the first National Mineral Policy. He later obtained an M.Sc. with distinction from Imperial College London and MBA from Heriot- Watt University, Scotland. In the subsequent 23 years in the private sector, Mr Teoh worked in the whole value chain of the minerals and metals industry from mineral exploration to solder manufacturing to mineral trading.

Apart from being Director and Consulting Geologist at MMRC, Mr Teoh is currently also Technical Consultant for the Malaysian Chamber of Mines and the Malaysian Tin Industry (R&D) Board. He was Project Leader for MMRC's projects on the Perak Mining Blueprint and Guidelines and Best Practices for the Mining and Quarrying Industry commissioned by the Malaysian Ministry of Natural Resources and Environment. In 2013, Mr Teoh undertook a study on mineral investment environment in Myanmar, Thailand and Laos for the same ministry. He had also undertaken assignments for the Academy of Sciences Malaysia (study of rare earth resources), the Kuala Lumpur Tin Market (publications on the tin Industry) and, through the Asean Federation of Mining Associations, participated actively in its Private Sector Forums held in conjunction with the ASEAN Senior Officials Meeting on Minerals (ASOMM). He is a Fellow of the Academy of Sciences Malaysia, a fellow of the Institute of Geology Malaysia and currently, sits on the Board of Geologists Malaysia.



Ir. Kamarudin Abd Karim
Director/Consulting Mining Engineer

Kamarudin Abd Karim is a practising Mining Engineer and a member of the Institute of Engineers Malaysia, Professional Engineer (in the discipline of mining) registered with the Board of Engineers Malaysia and Gas Engineer registered with the Energy Commission. He started his career with Associated Mines Sdn Bhd (AM), which was later absorbed into Pernas Charter Management Sdn Bhd (PCM). AM was the mine management arm of Charter Consolidated Ltd that provided mine management to five mining companies, which in the mid-1970s operated 12 dredges

and one opencast mine, whilst PCM was the mine management entity that managed Malaysia Mining Corporation Bhd's mining companies, which in the mid-1980s operated 21 dredges and one opencast mine. He served a total of 25 years with AM/PCM where he rose from supervisory positions to Mine Manager, Area Manager and finally General Manager of Mining Operations and Exploration. Kamarudin specialises in mine evaluation, mine planning, mining operation and mining-related environmental management as well as mining and mineral legislation. He is currently serving as consultant to several mining and quarrying companies.



Seet Chin Peng
Director/Consulting Hydrogeologist

Seet Chin Peng is a registered Professional Geologist with 45 years of experience in mineral exploration, groundwater and mineral database. He was formerly a member of Board of Geologists Malaysia and Chairman of Legal, Ethics and Discipline Committee for 2 terms from 2014 to 2020 and currently a member of the Scale of Fees Committee. He is a fellow of the Institute of Geology Malaysia since 1990, and previously served as its Secretary and Vice - President. His first 30 years of working life was with the Government of Malaysia in the Department of Mineral and Geoscience (JMG) where he headed various mineral, groundwater and mineral database projects before retiring as the Director of Mineral Information Management. Among the major projects completed during his tenure with JMG are the geological mapping of the Gunung Tahan area in Pahang, copper and gold exploration in vicinity of Mamut Mine in Sabah, and the development of GIS - based mineral information system for JMG.

Since his retirement from government service, Seet worked as a consultant on projects involving rare earths, industrial minerals, groundwater and mineral water for clients which included the Perak State government, Academy of Sciences, JMG, Sime Darby, Nestle, F&N, Farm Fresh and Mayora. He was involved in the Batang Padang groundwater project where he overseen the drilling of some 200 deep hard rock wells up to 300 metres deep. Other key projects included PERAK mining blueprint, study of rare earths industry, and guidelines for mining & quarrying. From 2013 he worked as a freelance consultant to a drilling company, in 2014 he joined Magic Mirror Resource Consulting, and in 2019 he was appointed Director of Altangadas Mining Group which is involved with gold prospecting and mining in Mongolia.



Haji Muhamad Nor Muhamad
Independent Non-Executive
Director

Hj Muhamad Nor Muhamad is a Fellow of the Institute of Chartered Secretaries and Administrators (ICSA), UK, and the Institute of Chartered Secretaries, Malaysia (MAICSA). He is currently Executive Director of the Malaysian Chamber of Mines, a position he has held since 1975. He is concurrently Secretary of the Tin Industry (R&D) Board, Company Secretary of The Kuala Lumpur Tin Market (KLTM) and Secretary General of the ASEAN Federation of Mining Associations (AFMA). In the early 1980s,

he was seconded to serve for four years as Director of the Malaysian Tin Bureau in Washington DC, USA, which was then the world's largest tin producer, to monitor actions and activities affecting tin that were taking place in the USA, which then was the world's largest tin consumer and holding a substantial amount of tin in its strategic stockpile. He has been actively engaged in promoting domestic, regional and international mineral industry development, and has acted as Industry Advisor to the Malaysian government delegation on numerous occasions and at international forums and meetings on matters related to minerals.



Datin Seri Noor Latifah Nordin
Director, Finance & Corporate
Affairs

Datin Seri Latifah is a businesswoman with wide experience in finance, accounting and business management. She graduated from Ottawa University (Kansas), USA with a Bachelor of Arts in Business Administration. Datin Seri has an indirect interests and exposure in mineral resources for more than two decades. She currently assists Magic Mirror Consulting in finance, corporate affairs and administrative functions.

Our Associates



Ir. Norhamidi Bin Md Din
Consulting Mining Engineer

Norhamidi is a Registered Professional Engineer (Mining), a member of IEM and a Council Member of Institute of Quarry Malaysia (IQM). He worked with Department of Mines Malaysia for 10 years before joining Malaysia Mining Corporation Berhad. Currently, he is active as a Consulting Mining Engineer and has extensive experience in mining and quarrying. He also provides Controlled Blasting Services in Urban area for the construction industries.



Kamal Daril, B.Sc. (Hons), M.Sc., P.Geol., FIGM
Professional Geologist

Kamal Daril is a Registered Professional with more than 36 years working experience in the public sector of the mineral and geoscience industry. He retired as Deputy Director-General of the Department of mineral and Geoscience Malaysia in 2019. Mr Kamil Daril graduated with a B.Sc. (Hons) in geology in 1983 and obtained an M.Sc. in Mineral Economics from Michigan Technological University, Michigan, USA in 1998. During his tenure with the Government, he had represented Malaysia in numerous international meetings including at ASOMM, ASOMM Working Group meetings, ASOMM +3 Consultations, AMMin, CCOP, as well as the Inter-governmental Forum on Mining, Minerals, Metals and Sustainable Development. Kamal was involved in the preparation of the AMCAPs I, II and III (Phase 1). His speciality is in mineral economics with a wealth of information and knowledge on the work culture and objectives of the public sector as well as regional cooperation organisations such as the ASEAN Secretariat.



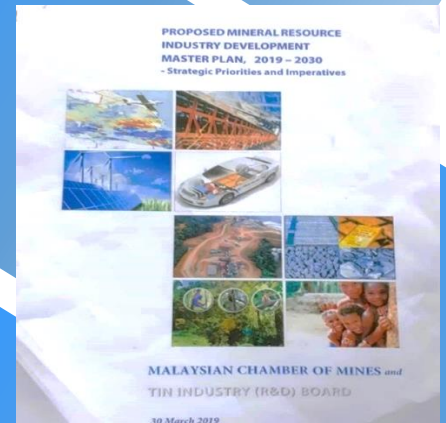
Ir Dr Selamat Aliman
Consulting Mining Engineer

Ir. Dr Selamat is a Professional mining engineer with Practicing Certificate, registered with the Board of Engineers Malaysia since 1988. He is also a Chartered Engineer registered with the Engineering Council United Kingdom, a registered EIA consultants and Subject Specialist with the Department of Environment Malaysia. He is a competent Person as CPESC and CESSWI in the design and management of erosion and sediment control in mining and development projects. Ir. Dr Selamat graduated with BSc in Mining Engineering from University of Newcastle United Kingdom in 1984, MSc in Environment from University of Salford in 1992 and PhD in Environment and Development (Mineral Resources) from University Kebangsaan Malaysia in 2009. He has been a consulting engineer for mining and quarrying projects including Tin, Gold, Coal, Iron Ore, Manganese, Rare Earth and a range of industrial minerals.

KEY PROJECTS

- **Proposed Mineral Resource Industry Development Master Plan 2019-2030 (for Malaysian Chamber of Mines), covering:**

- * Comprehensive details on Malaysia's mineral resource endowment
- * Strategies for their responsible and sustainable development
- * Strategies of downstream value-added activities
- * Strategies for promotion of mineral investment
- * Master plan for implementation of the strategies



- **Best Practices for the Mining and Quarrying Industry in Malaysia (for then Ministry of Natural Resources and Environment), covering:**

- * Corporate Social Responsibility
- * Visual impact and aesthetics
- * Green Technology in energy and water usage
- * Use of explosive
- * Transportation of rock and minerals
- * Safety in Fieldwork
- * Environmental management during exploration

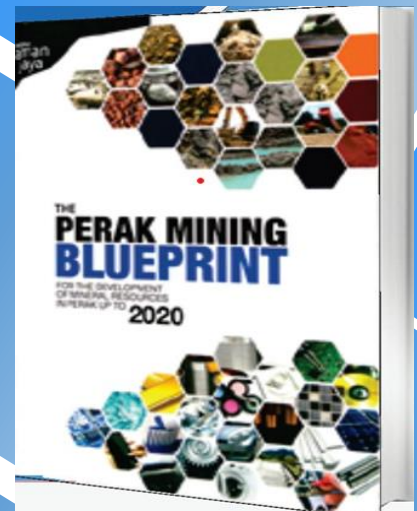


- **Guidelines for the mining and Quarrying Industry in Malaysia (For then Ministry of Natural Resources and Environment Malaysia), covering:**

- * Prevention and control of acid mine drainage
- * Dust management
- * Erosion and sediment control
- * Noise and air blast management
- * Stockpiles, dry waste dumps and tailings storage facilities
- * Mine and quarry rehabilitation



- The Perak Mining Blueprint 2014 (Undertaken for Mentri Besar Incorporated Perak), covering:
 - * Mineral resources of potential in Perak
 - * Mineral exploration
 - * Legal and regulatory framework
 - * Fiscal regime
 - * Transparent and effective mineral title management system
 - * Institutional framework
 - * Human capital requirement and development
 - * Promotion of downstream value-added activities
 - * Responsible and sustainable mineral resource development
- Preparation and submission of Geological, Exploration and Resource Evaluation, Pre-Feasibility Reports and Applications for Exploration License, mining License and Proprietary Mining License for tin, gold and kaolin projects.
- Tin resources evaluation
- Independent review and assessment of exploration results and reports
- Tin exploration for a mining company in Diplomatic Republic of Congo 2016



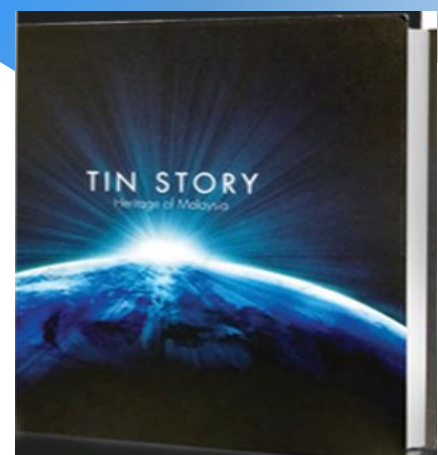
EVENT MANAGEMENT

- Asian Steel packaging conference 2010
- International Conference and Exhibition on the Rehabilitation, Restoration and Transformation of mining Land 2010
- International Tin Chemical Solder Conference and Exhibition 2015



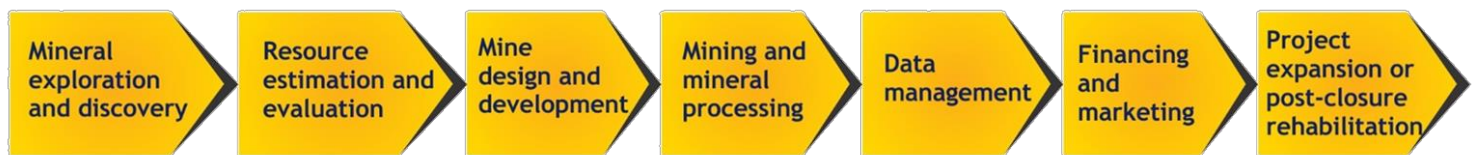
PUBLICATION

- TIN STORY: Heritage of Malaysia 2010
- Tin Applications 2015



PROVISION OF MULTI-DISCIPLINARY TECHNICAL AND MANAGEMENT CONSULTANCY SERVICES

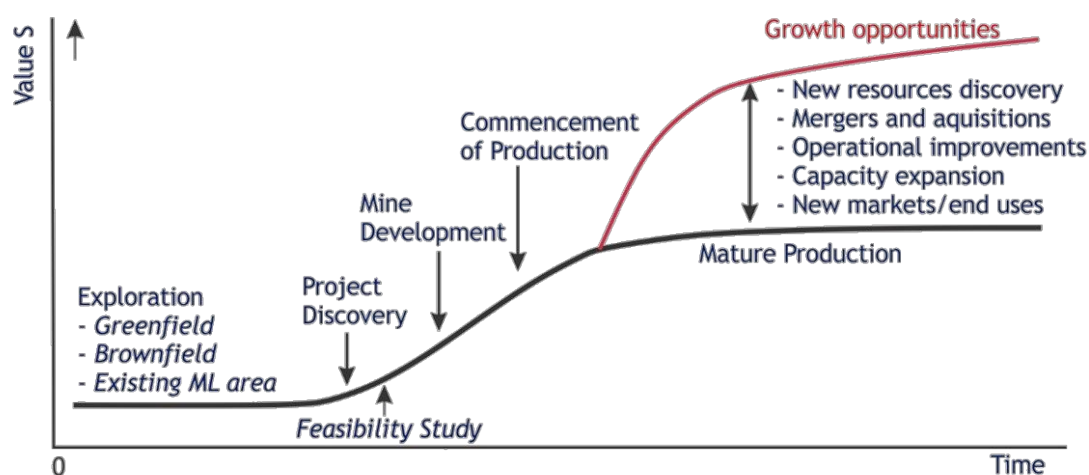
Our in-house specialists are strong in geology, mineral exploration, resource evaluation, mineral development, mining technology, mining operations especially alluvial tin mining, mining engineering, mineral processing, smelting & metallurgy, and corporate & financial consultancy services.



Working together with other leading international and local industry specialists, consultants, EPC contractors and professional service providers, Magic Mirror Resource Consulting is able to provide a wide spectrum of technical and management advisory services at all stages and segments of a mineral project's life cycle and value chain - from exploration, resource and reserve evaluation through to scoping, feasibility studies, permitting, financing, mine development, construction and operations, marketing and closure and rehabilitation.

Typical Mineral Project Life Cycle

Value chain and value creation





CONTACT US

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