



Michael Young

Principal Consultant
Ph: +61 (0) 7 3870 7024
Mb: +61 (0) 407 621 831
email: myoung@mineralis.com.au

An industry leader in the efficient recovery of minerals specializing in geometallurgy and solutions for complex liberation, separation and dewatering challenges.

Expertise

- Operations evaluation, trouble shooting, optimization and improvement
- Metallurgical process plant design, startup and commissioning
- Orebody characterisation and geometallurgy.
- Process plant performance analysis and improvement
- Process control and process strategy optimisation
- Specialist in complex ores and fines processing
- Specialist in comminution, flotation, dewatering and handling of difficult froths
- Targeted research and development
- Wide experience in technology development, cross-over and implementation
- Technical development of professionals
- Experience in coal, copper, molybdenum, gold, iron, lead, nickel, oil sands, platinum, silver, tin, zinc, uranium, ferroalloys, potash, phosphate and industrial minerals
- Experience in the wastewater, algae and organic liquid recovery

Background

Michael has 28 years' experience in operating and technical roles treating complex mineral ores. He has a deep understanding of the complexities of ore bodies, geometallurgy and treatment strategies.

Michael is a leader in understanding mineral behaviour from mining block scale to micron size. He develops and implements mine-to-mill strategies and mineral liberation and chemistry solutions to deliver significant improvements in recovery and selectivity.

Michael has been intimately involved with the development of several new process technologies and the cross-over of technologies between the minerals and other industries. He has had important roles in the development, deployment and global commercialisation of new technologies and techniques in grinding, flotation, and leaching.

Michael has a passion for mentoring young professionals in a rigorous approach to ore body characterisation, mine to mill optimisation and process plant evaluation, and using this to target improvement activities.

Experience

Mineralis

Principal Consultant

Glencore Technology, AUSTRALIA

Principal Metallurgist - Minerals Processing

Xstrata Technology, AUSTRALIA

Principal Metallurgist - Minerals Processing
Metallurgical Superintendent - Minerals Processing

Mount Isa Mines, AUSTRALIA

Technical Superintendent - Metallurgical Development
Metallurgical Superintendent - Lead Zinc Concentrator
Senior Metallurgist - Lead Zinc Concentrator
Metallurgist - Minerals Processing Research

Qualifications

1988 **Bachelor of Engineering (Chemical, Honours), University of Adelaide, Australia**

Associations

Member, Australasian Institute of Mining and Metallurgy.