



Bill Johnson

Principal Consultant
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Internationally recognised for outstanding contributions to the processing of complex ores.

Expertise

- Over 45 years' experience developing techniques and technology for processing complex ores.
- Process evaluation and quantification.
- Pioneer of size-by-size mineral liberation to systematically improve performance.
- Technical review and flowsheet development.
- Pioneer of inert stirred grinding in minerals (IsaMill development).
- Research management, minerals education, professional development courses.
- Has worked on coal, cobalt, copper, gold iron, lead, mineral sands, nickel, silver and zinc.

Background

In over 45 years in minerals processing, Bill has made outstanding advances to the treatment of complex ores. He pioneered the use of the paradigm of size-by-size mineral liberation-class behaviour, and is a masterful user of this approach to drive major improvements to mineral processing plant design and performance. He was pivotal to the development of flowsheets and new processes for McArthur River, Mount Isa, Hilton and George Fisher, and has provided highly skilled technical support for a global array of operations.

Bill has been recognised internationally for developing the IsaMill fine grinding technology which has been globally adopted to enable processing of complex fine grained ores. He also received the CSIRO medal for his contribution to the development of the Jameson Cell.

Bill has had substantial careers in operations, research and education. He was Head of the Division of Mining and Minerals Process Engineering at the University of Queensland, and continues to provide training and professional development on specialist topics for the minerals industry. He is presently an Adjunct Professor at the Julius Kruttschnitt Minerals Research Centre.

Experience

Mineralurgy (now Mineralis)

Principal Consultant

University of Queensland

Head of Division -Mining and Minerals
 Process Engineering
 Professor of Minerals Engineering

Mount Isa Mines Ltd

Minerals Processing Research Manager
 Executive Research Metallurgist
 Plant Metallurgist

CSIRO Minerals

Senior Research Scientist

University of Melbourne

Lecturer in Minerals Processing

ASARCO Inc

Metallurgist, Minerals Beneficiation

Julius Kruttschnitt Minerals Research Centre

Research Fellow

Qualifications

- 1972 **Doctor of Philosophy in Metallurgy**, University of Queensland
- 1968 **Bachelor of Science - Metallurgy (First Class Honours)**, University of Queensland
- 1968 **Bachelor of Science - Chemistry**, University of Queensland

Associations

Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM).
 CPMet status from AusIMM
 Member of Australian Coal Preparation Society
 Member of the Society of Mining, Metallurgy and Exploration (USA).
 Member of the Canadian Institute of Mining, Metallurgy and Petroleum