



Katie Barns

Principal Consultant
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Experienced process engineer with expertise in complex ore bodies and finding the drivers to efficient processing.

Expertise

- Extensive plant experience in minerals processing and extractive metallurgy.
- Process engineering and evaluation.
- Metallurgical process design and auditing.
- Project due diligence, evaluation and development.
- Test work program review and design for complex orebodies.
- Extensive experience in process plant operations, start-up & commissioning.
- Technical review of mineral processing & extractive metallurgy projects and flowsheets.
- New and existing technology development and optimization.
- Experienced in coal, copper, gold, iron, lead, nickel, silver, zinc, pgms and industrial and critical minerals.

Background

During a 30-year career in the resource industry Katie has gained extensive experience in virtually all aspects of mineral processing and extractive metallurgy with a focus on zinc, lead, copper, nickel and gold. She has been involved in circuit design, feasibility studies, audits construction, commissioning and management of a variety of pilot and full scale plants around the world, both greenfield and brownfield operations.

Katie has led teams in mineral processing technology research and development, commercialisation, marketing and implementation.

Her expertise is in understanding complex orebodies and helping operators focus on the drivers to improved flowsheets and better performance.

Katie's career in R&D and technology has focused on improving both resource extraction and product quality, while reducing the energy and water footprints. As a result she has improved the sustainability of minerals processing in many plants around the world.

Experience

Mineralurgy (now Mineralis)
 Principal Consultant

Glencore Technology, AUSTRALIA
 Manager - Business Analysis

Xstrata Technology, AUSTRALIA
 Technology Strategy Manager
 Senior Process Engineer

Oceanagold Ltd, NEW ZEALAND
 Business Development and Technical Superintendent
 Technical Superintendent
 Senior Process Engineer

Minera Alumbra, ARGENTINA
 Commissioning Metallurgist

Ernest Henry Mining, AUSTRALIA
 Process Engineer

CRA-ATD - AUSTRALIA
 Graduate Engineer

Qualifications

- 2018 Masters in Integrated Water Management, University of Queensland
- 2007 Masters of Business Administration, Deakin University.
- 1994 Bachelor of Engineering (Chemical: First Class Honours), University of Queensland.

Associations

Member, Australasian Institute of Mining and Metallurgy.

Member of the Institution of Professional Engineers New Zealand

Engineers without Borders, New Zealand