

# IN-PIT CRUSHING AND CONVEYING



**Here to help you realise the potential for economic and environmental benefits of mine electrification.**

Building on decades of experience in mining, Snowden Optiro's In-pit crushing and conveying (IPCC) advisory group helps you to assess the technical, economic and environmental viability of this alternative bulk mining method.

Our work covers technical screening, scoping studies, IPCC strategy selection, IPCC mine planning, IPCC financial evaluations and project owner's team representation during detailed feasibility, engineering and execution phases. Snowden Optiro prides itself on its ability to understand the entire mine value chain, to deliver the mine plan that maximises value while being practical enough to implement on the ground.

## EXPERTS

SNOWDEN OPTIRO'S EXPERIENCED IPCC TEAM OF CONSULTANTS HAVE WORKED IN A DIVERSE RANGE OF GEOLOGICAL, MINERALOGICAL AND PHYSICAL ENVIRONMENTS AROUND THE GLOBE, BRINGING TOGETHER DECADES OF COLLECTIVE EXPERIENCE IN THE INDUSTRY.



**PHIL MORRIS**

**EXECUTIVE  
CONSULTANT**

Over 50 years  
of experience



**DOUG TURNBULL**

**EXECUTIVE  
CONSULTANT**

Over 40 years  
of experience



**MATT COTTERELL**

**PRINCIPAL  
CONSULTANT**

Over 20 years  
of experience



**DANNY TOLMER**

**R. MANAGER -  
NORTH AMERICA**

Over 20 years  
of experience



## KEY CAPABILITIES

- IPCC screening assessment and workshops
- IPCC scoping study to assess technical, economic and environmental feasibility
- IPCC mine planning
- IPCC differential cost modelling
- IPCC owner's team representation

## Recent Study Examples

COMPANY	PROJECT	COUNTRY	COMMODITY	PROJECT SCOPE
ArcelorMittal	Mont Wright	Canada	Iron ore	Scoping, PFS
Vale	S11D	Brazil	Iron ore	Mine planning
Alcoa	Willowdale	Australia	Bauxite	Scoping
Iron Road	Central Eyre	Australia	Iron ore	Review
BHP/Glencore	Antamina	Peru	Copper	PFS, FS
Vale/BHP	Samarco	Brazil	Iron ore	Scopin
Teck	Elkview	Canada	Coal	PFS
Vale	Moatize	Mozambique	Coal	Scoping
Vale	Fazendao	Brazil	Iron ore	Scoping
Vale	Joao	Brazil	Iron ore	Scoping
Vale	Minas do Pico	Brazil	Iron ore	Scoping
Cominco	Hinda	DRC	Phosphate	PFS
Goldcorp/Teck	El Morro	Chile	Gold	Scoping