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 MORRISS

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

TARRANT ELKINGTON

GENERAL MANAGER

Over 16 years of experience

DANNY TOLMER

R. MANAGER - NORTH AMERICA

Over 20 years of experience

Reducing mining costs and emissions

Key Offerings

1. IPCC screening assessment and workshops
2. IPCC scoping study to assess technical, economic and environmental feasibility
3. IPCC mine planning
4. IPCC differential cost modelling
5. IPCC owner's team representation

IPCC Studies Completed	Countries	Years of operations
40+	60+	35+

IPCC white paper

IPCC podcast #42

IPCC podcast #43

SNOWDEN Optiro

Achieving significant cost savings for mining operations

Cost Savings

- **Cash cost reduction of between US$0.18/t and US$1.00/t**
- **Best Net Present Cost (NPC) improvement – US$800m (@9% discount)**
- **Typical truck savings from 20 to 60% of fleet**
- **Typical reduction in manning – averages 6.5 persons per truck saved**
- **Typical reduction in ancillary equipment – 30%**
- **Reduction in infrastructure costs associated with workshops**
- **Reduction in on-site carbon emissions by up to 50% depending on power source**
- **Overall capital for long life mines is either near neutral or in favour of IPCC when truck replacements are considered**

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