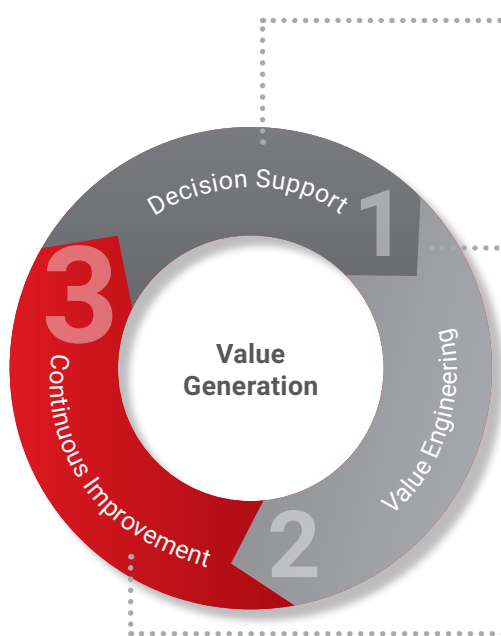# Industrial and Systems Engineering.

Optimised Solutions for the Mining and Capital Intensive Industries.

Our Industrial and Systems Engineering section is driven by its goal to optimise complex processes or systems. We are focused to improve and integrate people, processes, technology and infrastructure on capital intensive projects as well as brown fields operations across all levels, including mining or plant infrastructure and logistic channels.

Decision Support Services:
› Simulation
› Financial Modelling
› Project Risk and Decision Tree Analysis
› Data Mining and Business Intelligence

Value Engineering:
› Operational Readiness (Ensuring smooth project handovers and efficient operational systems)
› Supply Chain Analysis
› Engineering Logistics (Asset configuration and maintenance management)

Continuous Improvement:
› Theory of Constraints Analysis
› General Productivity Improvement
› Business Process Analysis
› Time Studies

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Innovation. Expertise. Solutions.

Business Process Improvement.

Initiate
Alignment and Commitment

- Business Process Alignment
- Clarity of Purpose
- Whole System Perspective
- High Performance Team

Inquire
Understand "As is" State

- Appreciative Inquiry
- Map current Process
- Gather Baseline Metrics
- Walk the Wall

Imagine
What's possible "To Be" State

- Future Process Design Criteria
- Benchvisit
- Develop New Process Design
- Stakeholder Understanding and Support

Innovate
Create "To Be" State

- Leadership and Culture
- Create Business Case (ROI)
- Test the Design
- Stakeholder Engagement

Implement
Actualise and Improve

- Project Planning
- Pilot Process and Quick Wins
- Improve the Design
- Stakeholder Involvement

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