

CASE STUDY

COST & PRODUCTIVITY DIAGNOSTIC

Complex Gold Mine EMEA

Objective

Xenco was engaged to perform a rapid diagnostic assessment of a large EMEA gold mine. The objective was to assess mine planning, asset management, processing workstreams, and cost drivers to identify opportunities for improvements.

The Challenges

The mine was struggling with inefficiencies across its mining, processing, and asset management functions, leading to constrained production output and increased operational costs. These challenges included:

- **Inadequate long-term planning** – Lack of scenario modelling and risk mitigation strategies affecting mine design and execution.
- **Mining inefficiencies** – Suboptimal blasting, grade control, and stockpile management leading to ore loss and dilution.
- **Process bottlenecks** – Low runtime on milling circuits and inefficiencies in oxidation processes.
- **Reconciliation and accountability gaps** – Limited oversight of production accounting, leading to untracked metal losses.
- **Asset and contractor management** – Lack of structured maintenance planning and inconsistent contractor oversight.

AT A GLANCE

Challenges

- Inadequate planning
- Operational inefficiencies
- Process bottlenecks
- Limited reconciliation and accountability
- Lack of structured maintenance planning

Benefits

- **>\$20 million per year** in cost reductions identified
- Gold production improvement of up to **43,000 oz per year**
- **10% productivity uplift** through structured maintenance and shutdown planning
- AISC per ounce **reduced 15%**

Xenco is a multi-disciplined, specialist service group that delivers executive and operational level support to businesses seeking significant improvements in productivity, efficiencies and company profitability.

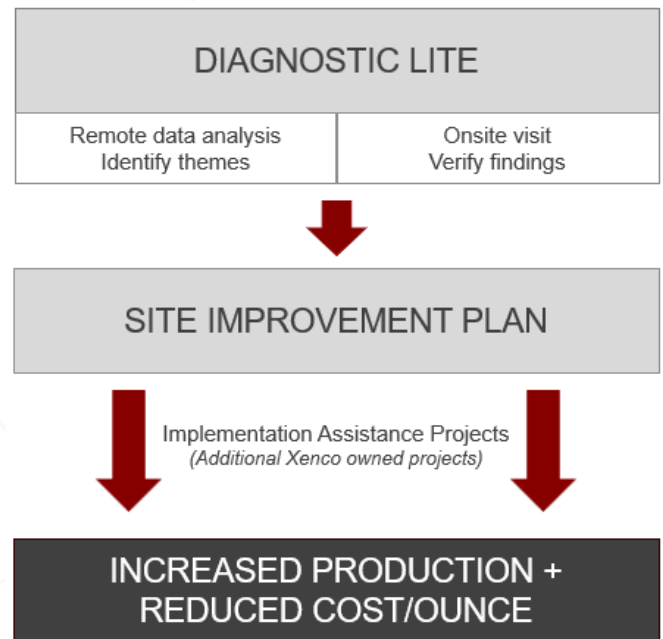
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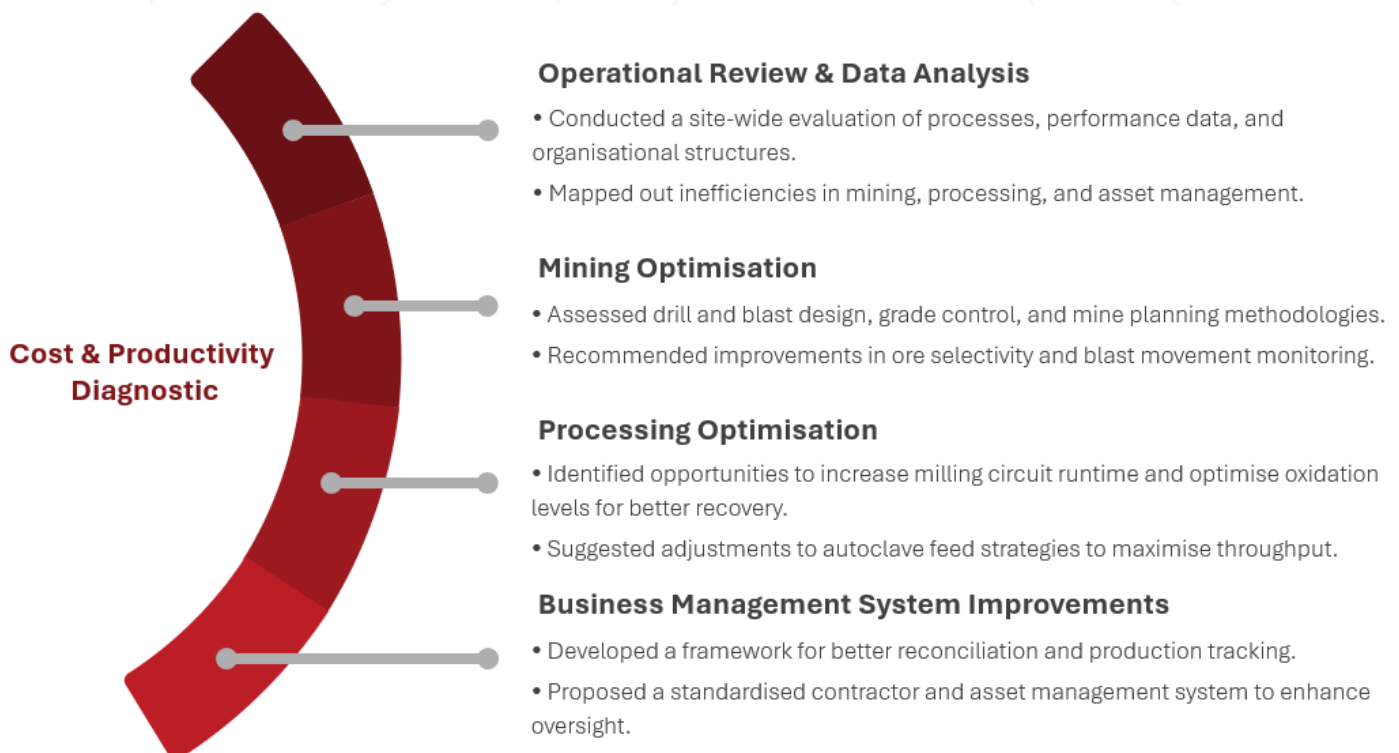
Our Approach

Xenco began with a remote diagnostic lite analysis to identify key themes, followed by onsite verification with stakeholders. Our team then delivered a comprehensive improvement plan with actionable steps to boost productivity and reduce costs. This plan focused on ensuring clear alignment between organisational objectives and daily activities, with a focus on:

- High-level business and corporate themes
- Site-level goals
- Department-specific objectives



The cost and productivity diagnostic focused on:



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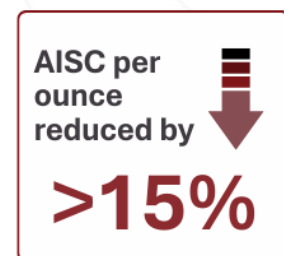
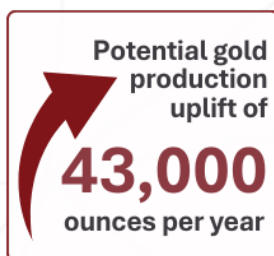
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Our Results

Xenco's comprehensive cost and productivity diagnostic delivered a practical roadmap for performance improvement, setting the client up for greater efficiency, compliance, and production.

Some key insights from the diagnostic were:

- **>\$20 million per year in cost reductions** identified through optimisation of contractor management, processing strategies, and production reconciliation.
- Potential production improvement of up to **43,000 oz per year** through optimisation of mining processes, processing strategies, and bottleneck reduction.
- **10% productivity uplift** through structured maintenance planning, contractor oversight, and better execution of shutdowns.
- All-in Sustaining Cost (AISC) per ounce reduced by **15.8%** through productivity improvements and cost reductions.
- Recommendations to improve scenario modelling, grade control drilling, and waste movement planning to **enhance operational stability and cost efficiency**.



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