

## CASE STUDY

# PROCESSING OPTIMISATION

Alaska, USA

### Objective

Xenco was engaged to identify key opportunities for optimising operations at a large gold refinery. The client sought to gain a better understanding behind their higher operational costs at this site compared to similar sites within its portfolio. To assist the client in meeting its operational efficiency goals, a comprehensive benchmarking analysis was conducted. This analysis was designed to identify and quantify significant cost discrepancies and operational differences across the client's portfolio.

### The Challenges

The client's key financial performance indicators for processing were consistently higher compared to other sites. Xenco's challenge was to uncover the underlying drivers of these discrepancies and deliver the client with actionable recommendations to reduce costs and improve operational efficiency. Key challenges identified by our team included:

- Increased labour and material costs driving up operational expenses.
- Increased power consumption.
- Greater spending on reagents.
- Limited understanding of impact of geographic, process, and logistical factors.

## AT A GLANCE

### Challenges

- Need for actionable recommendations for address cost variances between projects.
- Limited insight into geographic, process, and logistical factors.
- High spending on reagents.
- High power consumption.
- High labour and material costs.

### Benefits

- Several key cost discrepancy factors uncovered.
- Over \$58 per tonne in cost savings identified.
- Roadmap developed for sustained cost optimisation.

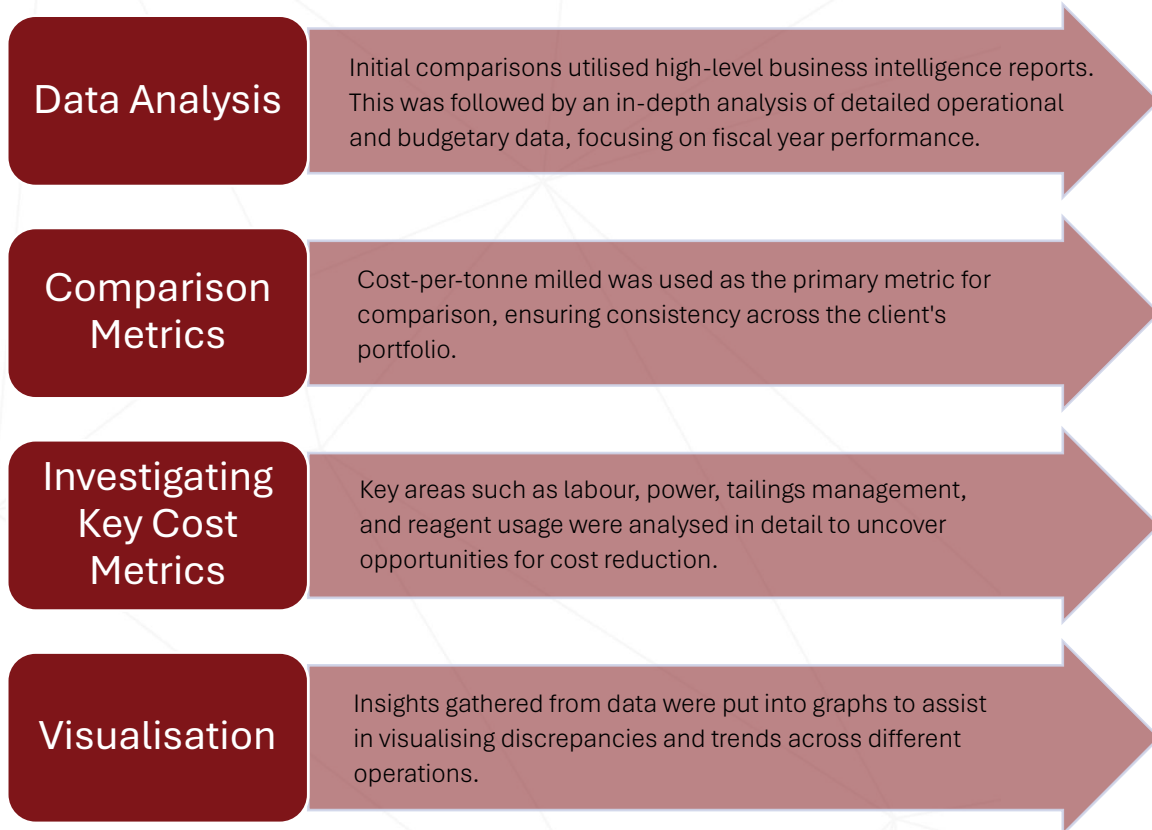
Xenco is a multi-disciplined, specialist service group that delivers executive and operational level support to businesses seeking significant improvements in productivity, efficiencies and company profitability.

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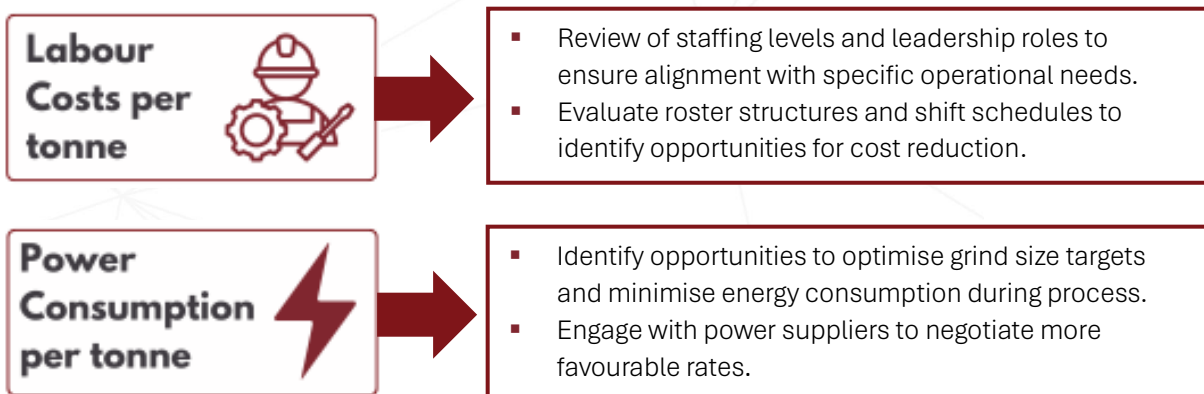
## Our Approach

Xenco developed a benchmarking approach to address the client's challenges surrounding comparatively high operational costs. This approach focused on:



## Findings and Recommendations

After comprehensive benchmarking was completed, several key factors which most contributed to elevated operating costs at the client's operation were identified. Based on this analysis, the team proposed a series of targeted initiatives to help the client achieve its operational efficiency goals. These key factors and associated recommendations were:



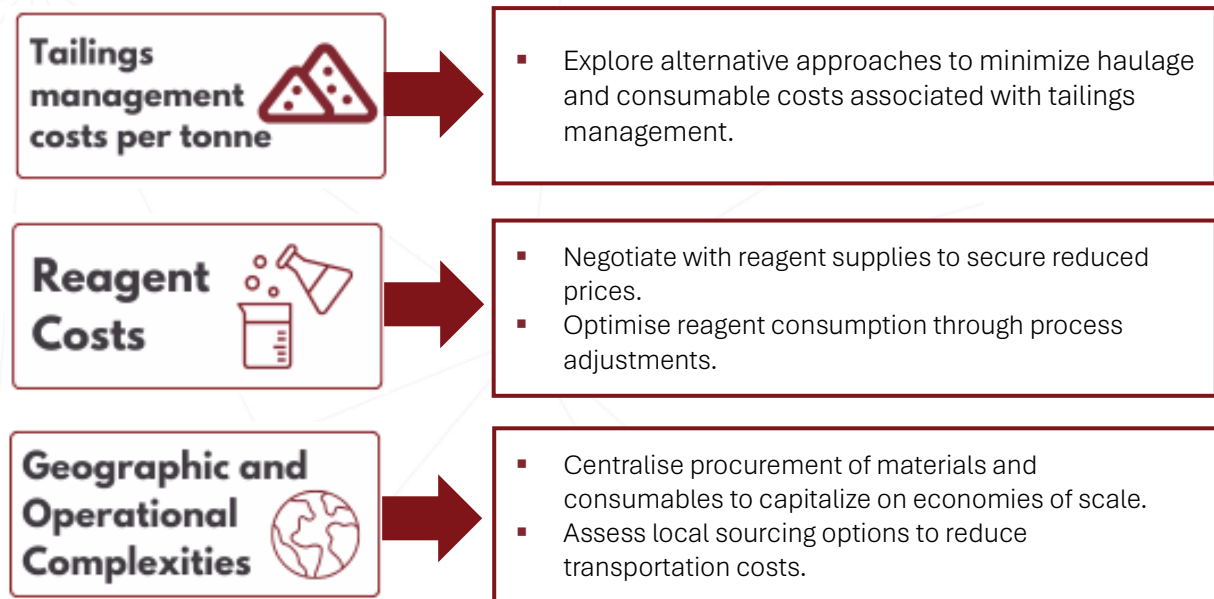
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## Results

As a result of the benchmarking analysis conducted by Xenco, over **\$58 per tonne** in potential cost savings were identified, enabling the client to address key financial inefficiencies while maintaining high operational standards.

These findings also provided insights into where projects needed to be prioritised and where responsibilities should be assigned to address key cost drivers. By leveraging these insights, the operation was able to develop a clear roadmap for cost reduction, supporting long-term operational success.



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