

CASE STUDY

SHUTDOWN MANAGEMENT Smelter and Refinery Operation

Objective

Xenco was engaged to support the largest shutdown ever executed at a major smelter and refinery operation. Initially tasked with providing expert guidance on what a successful shutdown would entail, Xenco's role quickly expanded to managing the entire project, including overseeing both maintenance and project activities and the client's contractors.

The Challenges

The large scale of the refinery required extensive coordination and planning. Xenco's challenge was to manage contractor capabilities, secure essential skills, and create a sense of urgency to ensure performance targets were achieved.

- Plant shutdown total labour hours were greater than 2.5million.
- Daily contract numbers peaked at 2,700, creating large-scale interactions and management.
- High-risk operations demanded strict safety measures across all activities.
- Ancillary equipment across the plant had to be included in the shutdown.
- Large craneage (1200t) requiring complex site establishment to lift and shift large equipment which required precise planning.
- Existing plant condition was poor, adding complexity when removing large, corroded equipment.

AT A GLANCE

Challenges

- Scale of the refinery required extensive planning.
- Poor plant condition.
- High-risk operations demanding strict safety measures.
- Contractor capability and performance.
- Complex equipment movement.

Benefits

- Zero injuries throughout the project.
- Completed on schedule.
- \$2M savings achieved by startup two days ahead of plan.
- Maintained budget controls +/- 5%.

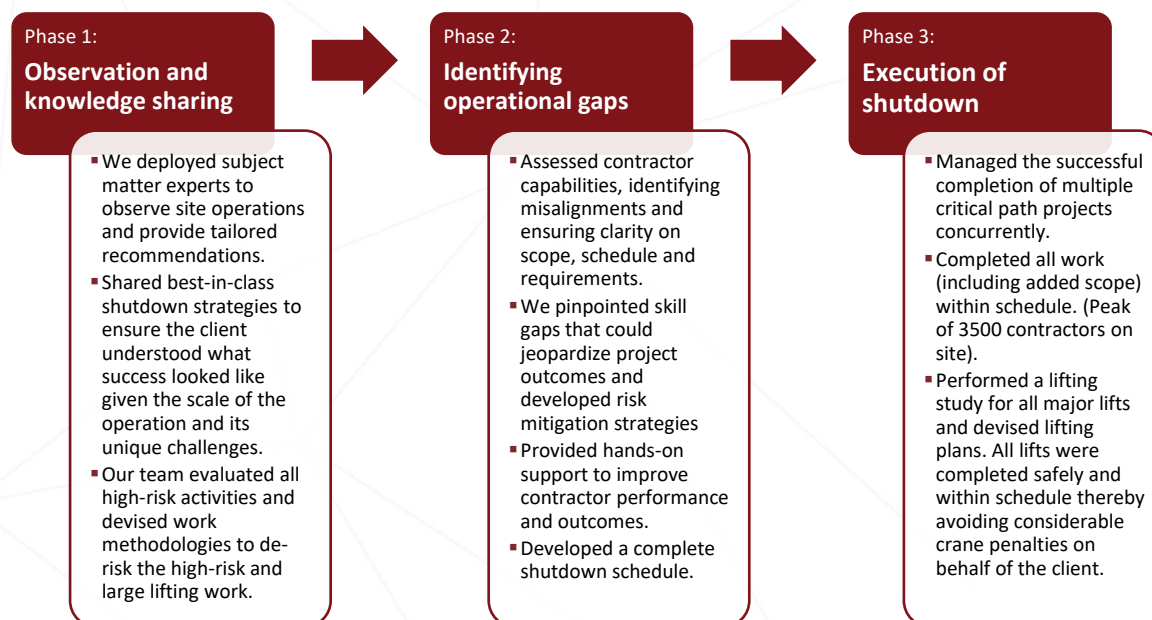
Xenco is a multi-disciplined, specialist service group that delivers executive and operational level support to businesses seeking significant improvements in productivity, efficiencies and company profitability.

Contact us

Xenco
Support@xencoservices.com
1300 936 261 | xencoservices.com

Our Approach

Our team successfully delivered the shutdown project through a structured, three-phase approach, with a strong emphasis on safety.



Our Results

Despite a challenging environment with significant risk and safety concerns, our team successfully delivered the largest shutdown in the site's history.

Key outcomes include:

- Reduced overrun by 30 days compared to the previous total plant shutdown.
- Achieved startup two days ahead of plan, resulting in **\$2M savings**.
- Maintained budget control within +/- 5%.
- **Over 70** contract companies engaged.
- **Zero injuries** throughout the project.
- Completed **on schedule**.



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.

Contact us

Xenco Services

Support@xencoservices.com

1300 936 261 | xencoservices.com