



engenium

smart project delivery

Demonstrated Capabilities

- Engineering Design competence in a multi-discipline environment at a remote and aging facility.
- Ability to deliver a Concept through to Detailed Design.
- Commission and Handover of a complex plant with tight operational restrictions.
- Achieving high efficiency fugitive emissions capture, which led to health improvements to the community.

Port Pirie Smelter Blast Furnace Ventilation Engineering, Procurement and Construction Management

Client

Zinifex Limited

Project Location

Port Pirie, 223 kilometre's north of Adelaide, South Australia.

Scope

Engenium was awarded this project as part of a competitive tender. The Scope of Works involved Concept Design through to Detailed Design and Commissioning, including site Construction Management.

Business Objective

The main objective of the project was to enclose an open-topped lead blast furnace and collect all fume's with a high efficiency capture system.

Challenges to Overcome

The brownfields plant area was hazardous, with high exposure risk from CO gas and lead fume. The operating and construction areas were elevated, with significant working at heights in a restricted operational environment.

Smarts

Engenium's Engineering Team complied with all site safety and schedule requirements to ensure the project was a success within a tight project time frame.

Project Outcome

Due to the nature of the site and the project timeline, the project budget evolved as more technical information came to light. The project was managed in conjunction with the client and met expectations. High efficiency fugitive emissions capture was achieved when fully operational, which had significant and immediate health benefits to the workers and local community.

Want To Know More?

For more information please contact our Newcastle office on +61 (0)2 4940 4100, email info@engenium.com.au, or visit our website engenium.com.au.

Delivering Value. Delivering Results.