



West Angelas Plant Optimisation

PROJECT LOCATION

Pilbara region, north Western Australia

PROJECT CLIENT

Robe River Mining

PROJECT SUMMARY

Robe River Mining's primary objective for the project was to increase production from 15Mtpa to 25Mtpa through de-bottlenecking, streamlining the crushing and screening process plant and increasing stockyard capacity.

Calibre was engaged as the Engineering, Procurement and Construction Management (EPCM) consultant for the project working closely with Robe River Mining to achieve the objectives of the project.

Through rationalization of the middling circuit, screening of lumps and fines were optimized allowing faster throughput and reducing re-circulating load in the plant. The scope of work included upgrades to conveyors, drives, screening, stockyard and train load-out for the new capacity.

The project also included extensive upgrades to mine infrastructure (including administration buildings, mine communications, roads and villages) and rationalisation and optimisation of the mine fleet.

The major challenges in the project was prioritising the upgrade work to maximise capacity in the shortest timeframe and integrating shutdown work with the working production plant to maintain the security of the production.

The benefits to Robe River Mining was a project that was delivered on time, budget and scope with a 100% safety record (over 700 days LTI free). Most importantly, the increased throughput was achieved with no loss of production during the upgrade through meticulously planned shutdowns.

ABOUT CALIBRE PROJECTS

Calibre Projects is a results focused engineering consultancy providing engineering, procurement and construction management services to the resources industry.

For further information contact Calibre Projects on +618 9488 7270 or info@calibreprojects.com.au



CALIBRE PROJECTS PTY LTD
ABN 57 108 438 393
www.calibreprojects.com.au

Perth +61 8 9488 7270
Adelaide +61 8 8354 3153
Brisbane +61 7 3001 6000

Head Office
Level 11, 140 St Georges Terrace
Perth, Western Australia, 6000
Australia

Australia