

ROCKLANDS COPPER PROJECT (CDU 100%)

ROCKLANDS PRIMARY BALL MILL LIFTED INTO PLACE

After 8 years of exploration, infill drilling, planning, design and development, construction of site infrastructure and shedding of blood, sweat and tears, this week's...

“Lifting of the Can”

Is a major milestone for the Rocklands Project.

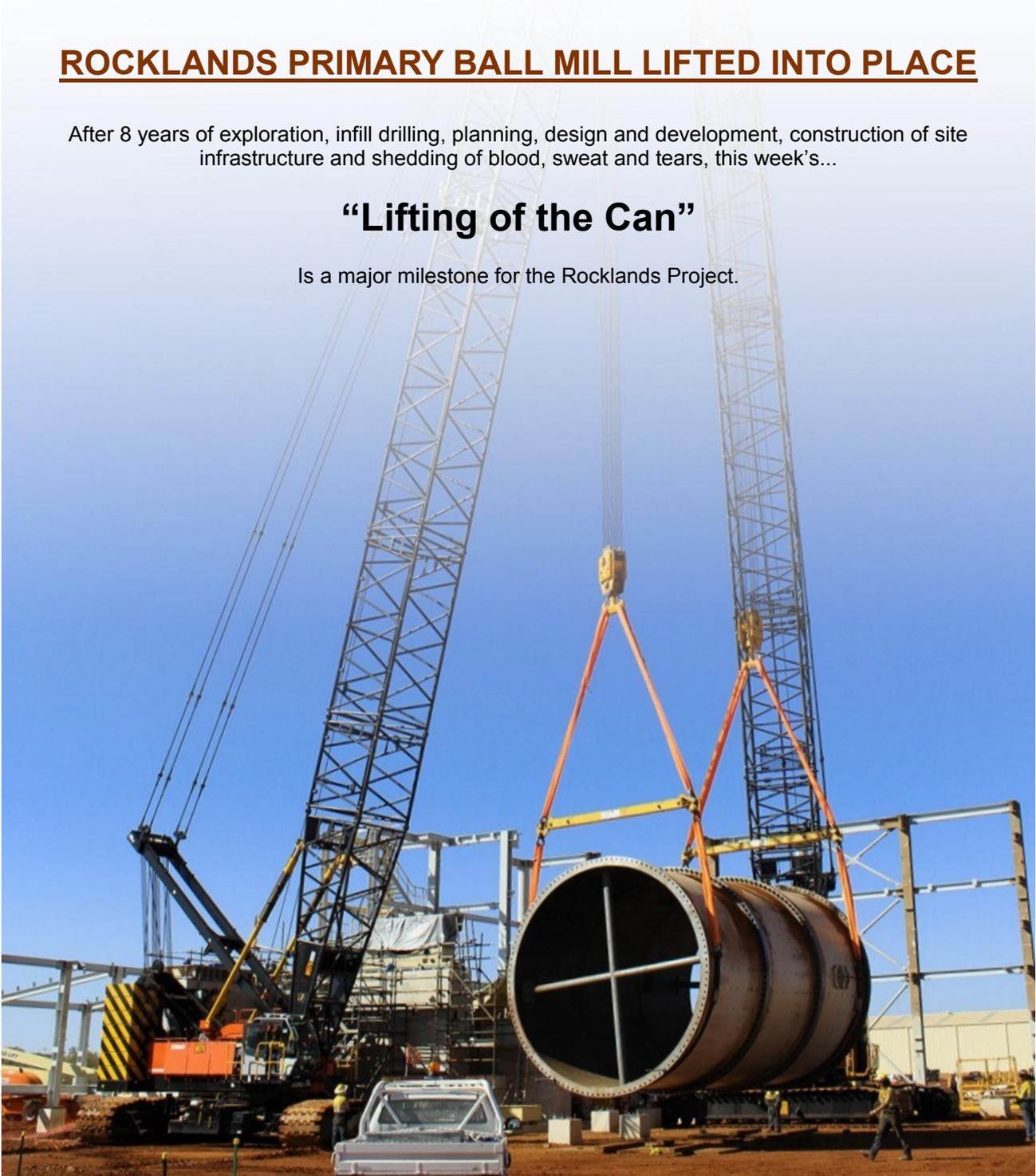


Figure 1: Two 250 tonne Waltz heavy-lift cranes begin lifting the Ball Mill into place.

Primary Ball Mill Lift - Major Milestone for the Rocklands Team

After 8 years of exploration, infill drilling, planning, design and development and construction of site infrastructure...all the while dealing with bureaucracy on a titanic scale...the installation of the Primary Ball Mill is a major milestone for the Rocklands Project.

Manufactured in China by Citic the world's largest manufacturer of Ball Mills, the Primary Ball Mill took over 18 months to construct, test and ship to Rocklands.

The Primary Ball Mill is one of three mills in the mineral processing plant and is the heart of the operation, capable of grinding 5 million tonnes of ore per annum to the specifications required for specialist downstream circuits that extract copper, cobalt, pyrite/sulphur, and magnetite minerals.

Coarse native copper, prevalent at Rocklands, will be removed from the ore prior to entering the Ball Mill, in what will be one of the southern hemisphere's largest gravity plants once built.



Figure 2: Birds-eye view of the Rocklands Processing Plant, with the Ball Mill structure centre, prior to the lift.



Figure 3: Primary Ball Mill - concrete housing and foundations (left behind crane) and drum segments in the foreground dwarf the lifting crew as they prepare for the lift.



Figure 4: Various views of the Ball Mill lift in action.



Figure 5: View from the ROM Pad of Ball Mill drum being installed - the ends can be seen to the right of the cranes.

Foundations and support structure for the Ball Mill were constructed from approximately 1,000 cubic metres of concrete and took around 3 months to complete.

When fully fitted and charged, the Primary Ball Mill will weigh upwards of 500 tonnes and require a dedicated power plant capable of powering a small township.

The Ball Mill holds 300 tonnes of grinding balls which grind the ore into a fraction size of about 100 microns, which is not far off the consistency of talcum powder.

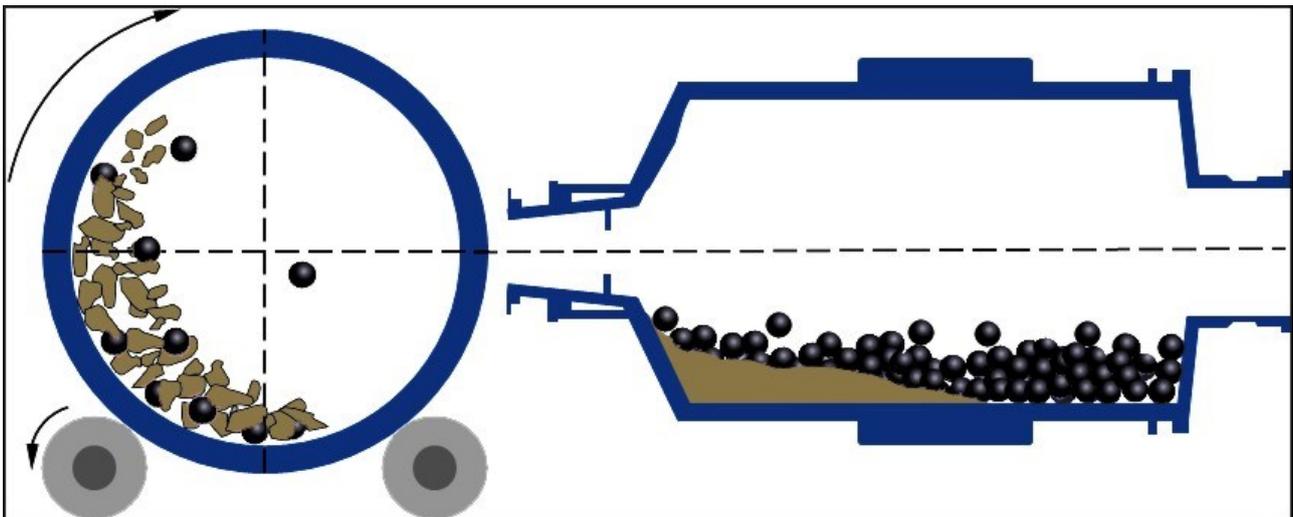


Figure 6: Diagram of typical Ball Mill configuration.



Figure 7: The giant drum is carefully positioned into place prior to the ends being installed.



Figure 8: The Ball Mill ends are lifted into place

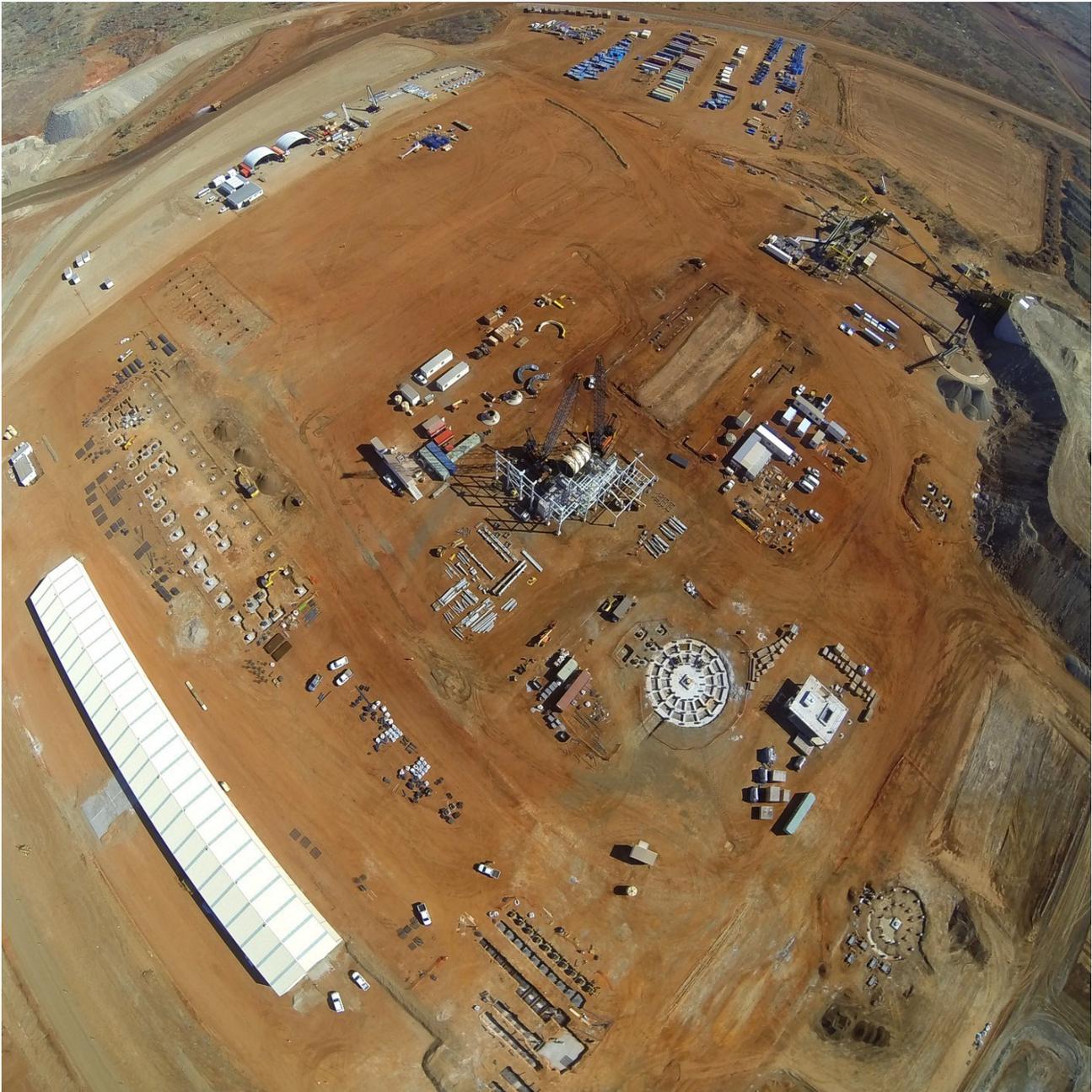


Figure 9: Birds-eye view of the Rocklands Processing Plant, with the Ball Mill structure centre, prior to the lift.

The entire Rocklands Mineral Process Plant requires up to 28MW of power, enough to supply a typical regional township of about 3000 people, and has been designed, manufactured and installed by Cummins Australia.

On behalf of the board.

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