

CASE STUDY 01

MACHINE EXTRACTION

COPPER MINE

NEW SOUTH WALES, AUSTRALIA 2018





SUCCESSFUL HARD ROCK MINE EXTRACTIONS

Since it was developed and released in 2002, the Mine Extraction Device (MED) has extracted hundreds of pieces of buried mining equipment proving itself as a safe, efficient and effective means to recover machines and allow continuance in production. Customer references can be provided on request.

The images in this document were taken during a successful extraction that occurred in an underground mine in New South Wales using an MED210 (210T capacity).



WARNING: Prior to any extraction it is important to assess all risks and implement the resultant control measures. As conditions change, the risks must be reassessed and new control measures implemented.





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1. Following the preparation of a solid and level base, an IT loader is used to move the MED210 into place.



2. Now the MED is positioned on a level base, the hydraulic hoses are connected to the auxiliary implement controls on an IT loader.



4. The engineered racks are assembled and pulled through the MED using the winch.



5. The connecting racks are attached to the machine using D-shackles and slings.



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6. As the extraction commences, the pressure is applied slowly to the connecting racks and tow sling.



7. As the pressure is increased the machine is released from the fallen debris.



8. The MED210 works effortlessly as the machine gently ploughs through the bund.



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9. View of the final stages of the extraction.



10. The extraction is managed safely and is now complete.



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More Information

If you require further information on the Elphinstone range of MED products, please visit www.elphinstone.com or the contact email addresses provided.

Machine Sales: MEDsales@elphinstone.com

Product Support: MEDproductsupport@elphinstone.com

Part Sales: MEDparts@elphinstone.com

OVER 45 YEARS IN THE MINING INDUSTRY.

Elphinstone Pty Ltd is an established Caterpillar OEM Solutions customer with over 45 years' experience in the mining industry.

Elphinstone specialises in the design, manufacture and support of quality equipment for the global underground and surface mining industries.

The Elphinstone range of products combines practical design, the latest technology and quality manufacturing to ensure reliable performance.

The current product range includes specialised underground support vehicles, mine extraction devices, extended distance off-highway haulage trucks and water tanks designed to fit Caterpillar 740C, 745C and 745 articulated trucks.

All Elphinstone products, technical assistance, support, and access to spare parts are available through the global Cat® dealer network with additional support from the Elphinstone regional sales and support team.

MED Extraction Case Study

For more complete information on Elphinstone products, dealer services, and industry solutions, visit www.elphinstone.com or contact your local Cat® dealer.

Material and specifications are subject to change without notice. Featured machines in photos may include additional equipment.

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