

## Tronox Cooljarloo 1 Dredge Winch Drives

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ASAP Power was engaged to retrofit the 4x DCS500 winch drives on board the Cooljarloo 1 Mineral Sands dredge. The customer needed a reliable solution to replace the troublesome system that caused multiple breakdowns per shift. The key to project execution was to reduce the required shutdown time, with a typical maintenance shutdown consisting of a 48 hour window.

### Our scope:

Turnkey project delivery including design engineering, switchboard manufacture, site installation and commissioning and documentation.

### Our solution:

- Customised DCS800 Drive panel to fit into existing switchboard.
- Integrate with Honeywell Experion DCS
- Fit rotary encoder for accurate speed feedback from traction motor

### The outcome:

- All 4x drives installed & commissioned without injury or incident
- New system has proven extremely reliable with significant increase in availability
- Fully documented project:
  - Electrical drawings
  - Spare parts list
  - Functional specifications
- Very happy customer



Contact us today to discuss your electrical mining project:

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