



UAV INSPECTION OF MAIN CHIMNEY STACK

12KM SOUTH OF KALGOORLIE, WA

SPECIALIST ACCESS - UAV INSPECTION

PROJECT

BHP Nickel West Kalgoorlie UAV Inspection

CLIENT

Beroa Australia

DURATEC CONTACT

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DESCRIPTION

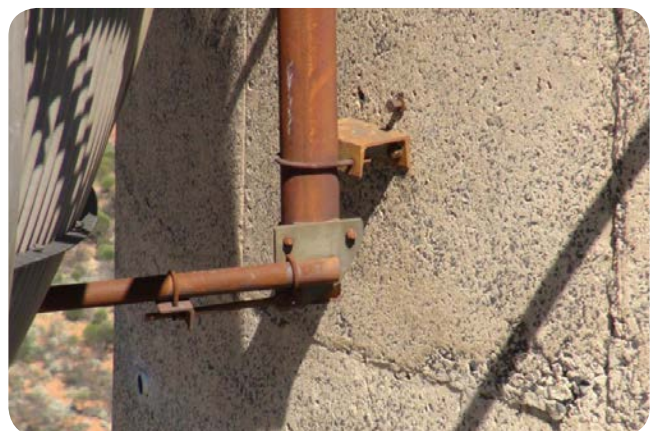
Duratec was by engaged to perform a visual inspection of the chimney's concrete windshield, annulus hood and steel access system.

The UAV inspection was performed whilst the stack was online. Duratec provided the client with:

- ▶ A video referencing the defects.
- ▶ A comprehensive report which was used by the asset owner to price remedial works during the next outage.

HIGHLIGHTS

- ▶ To complete the inspection 2 personnel were required over 3 shifts of 8 hours, whereas a rope access inspection would have necessitated 3 people during 4 12 hour shifts.
- ▶ Concrete cracks as small as 0.2mm in width were able to be identified with the UAV camera system.



IMAGES (FROM TOP TO BOTTOM)

- ▶ Overview of the main chimney stack.
- ▶ Drone in flight.
- ▶ Drone at 100m height inspecting structural steel.