

KLINGER CASE STUDY

Ratcliffe Power Station

» OVERVIEW

Due to regular historical weld failures during service, the decision was made by the client to replace all remaining original row 1 antlers on both Units 2 & 4 to de-risk future operational failures. Area of plant work carried out = S header (primary superheater inlet headers) 9 off per Unit, coal-fired 500MW Boilers x 4.

» CHALLENGES

As with most scopes, KLINGER successfully completed the work successfully despite the tight workspace with limited headroom and lighting. There was also a very tight program for works to be completed.

» SOLUTION

KLINGER offered the client a total integrity solution which included machining the header (weld prep) trepan to remove existing weld and HAZ within parent material, to allow the new weld to be made between the header and new pipe work circa 350. Klinger skilled field service personnel worked seven days adopting a right-first-time approach, with no errors or reworks. Quality machining work was completed error-free and ahead of schedule allowing all units to be brought back into service.



WORK SCOPE COMPLETED AHEAD OF SCHEDULE



KLINGER ON-SITE MACHINING CAPABILITIES:

Our dedicated machining team can solve all on-site problems. With extensive experience, a proven industry record and the most advanced equipment, it provides a fast, comprehensive, and safe service.

- » Flange Facing
- » Hub Re-machining
- » Weld Excavation
- » Stud Removal
- » Drilling & Tapping
- » Trepanning
- » RTJ Machining
- » Pipe Cutting and End Prep
- » Milling
- » Line Boring
- » Match Boring
- » Full Exchanger Machining Service