



PearlStreet

POWER INDUSTRY CASE STUDY

ON-SITE HEAT TREATMENT

SERVICES: Heat Treatment, Shutdown Planning & Execution

THE PROBLEM

During the course of a planned power station outage, inspections revealed serious cracking on main steam pressure pipe work and plant associated with a critical boiler and turbine.



THE CHALLENGE

To repair the cracking and re-commission the plant as soon as possible

WHY CHOOSE PEARLSTREET?

PearlStreet's on-site heat treatment capability was known to the asset owner. PearlStreet has a long track record in on-site heat treatment and key personnel have previously worked closely with the major contractors involved in the outage.

PEARLSTREET'S INVOLVEMENT

PearlStreet provided both pre-heat and post weld heat treatment on major pressure components and pipe work. The project involved 24 hours per day, 7 days per week coverage over the course of a 7 week period.

FEATURES

- Close interaction of key technicians with major contractors on planning and co-ordinating the pre-heat and post-weld activities
- Flexibility in planning and undertaking pre-heat set-ups, post weld set-ups, monitoring of the heat treatment cycle and final inspections to fit with welding activities
- Availability of heat treatment equipment and resources within a three day timeframe

BENEFIT

- Heat treatment was commenced within a three day timeframe, completed on schedule and satisfied the requirements of the asset owner