



PETROCHEMICAL

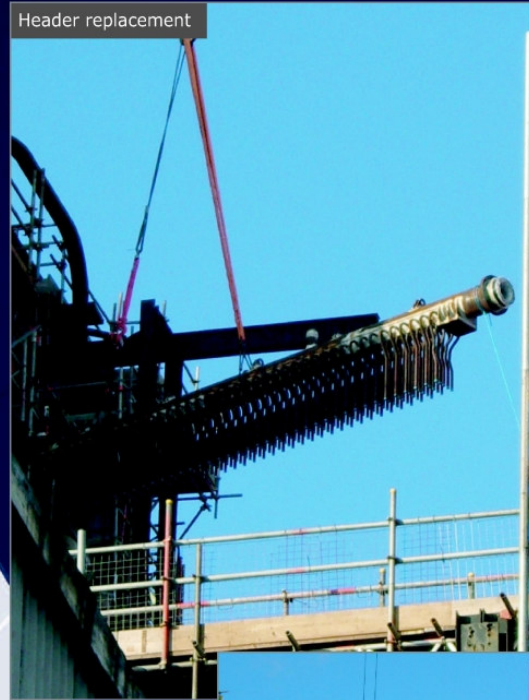
ExxonMobil Chemical Plant - Fawley - Southampton

TEi Ltd completed the largest Steam Plant turnaround ever carried out at Fawley during the first Q of 2009.

The upgrade of the SP4 Unit 2 boiler was completed on schedule and now provides additional steam security to all of the plants on the Esso Fawley site.

BOILER REFURBISHMENT PROJECT

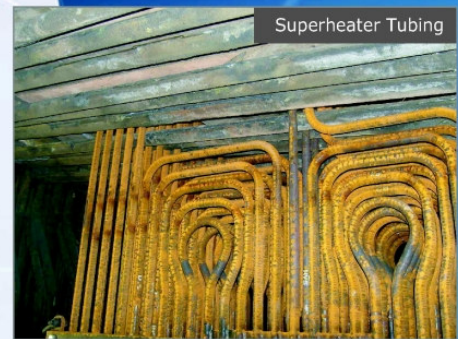
The main works during the turnaround involved the manufacture and the replacement of the secondary superheater, which provides additional heat to the steam. A total of 57 elements were replaced, which consisted of 1710 tubes. Inlet and outlet manifolds, each 15 metres long, weighing 10 tons, were also replaced. Element welds - 570. Main manifold welds - 6. To shorten the inspection regime, TEi/Esso adopted a new "Phase Array" inspection to replace the standard x-ray procedure. This enabled 24 hour working and so reduced the overhaul outage programme.



Header replacement



Upgrade SP4



Superheater Tubing

PO BOX 80 CALDER VALE ROAD
WAKEFIELD UK WF15YS

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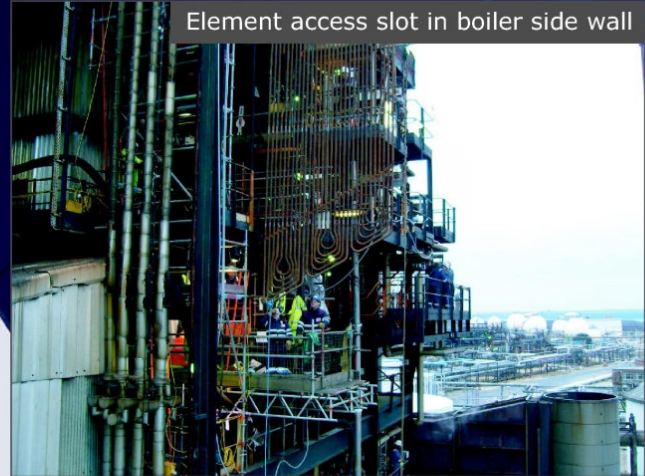
enquiries@tei.co.uk
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KEY ACTIVITIES

REMOVAL & REPLACEMENT:

- Remove and replace Superheater.
- Remove and replace two Headers.
- Remove and replace 128 valves and 17 new actuators.
- Remove and replace boiler feed water pump.
- Refurbish 20 sootblowers.
- Remove and replace 24 oil and gas burners.
- Remove and replace boiler casing and refractory lining.
- Fit 5 new silencers and piping.

Management and control of sub-contracts for Inspection, Scaffolding, Insulation & Refractory.



Element access slot in boiler side wall

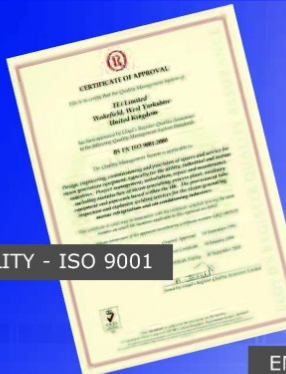


Part element loading procedure



Silencer replacement

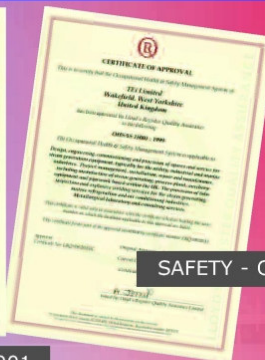
QUALITY SERVICES



QUALITY - ISO 9001



ENVIRONMENT - ISO 14001



SAFETY - OHSAS 18002

TEI's integrated management system, IMS, is certified by LRQA for all 3 standards.

"Not only do we provide superior quality services

but your contract will be completed to the

highest safety & environmental standards"

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