

Syngas Cooler - Retube

BP - Hull

Recently TEi were awarded the contract by BP Chemicals, Hull for the design, supply and installation of the A5 Syngas cooler coils and interconnecting pipework during the A5 - Acetic Acid / Anhydride plant planned maintenance shutdown.

This type of refurbishment was the first on any Syngas cooler in Europe.

TEi planned and managed the works during the outage.

The Syngas repairs were the critical path on the whole shutdown, and



slippage of the programme would lead to unacceptable delays in the startup of the plant.

TEi's sub-contractor designed and fabricated the 6 new helical coils and piping to PD5500 (2003) These coils and piping were shipped and



stored in the Wakefield works in August, until the start of the outage.

To avoid scaffolding costs TEi designed and fabricated a lightweight-rotating platform, to ensure the removal and replacement of the coils was carried out safely and efficiently.



TEi provided a comprehensive method statement for the project, and experienced, handpicked craftsmen were utilised to implement the works.

All welds - material CR13MO44 were subject to 100% radiography, MPI, hardness and PMI inspection.

The unit was handed back to BP significantly ahead of the original planned duration which allowed the plant to produce syngas ahead of schedule.



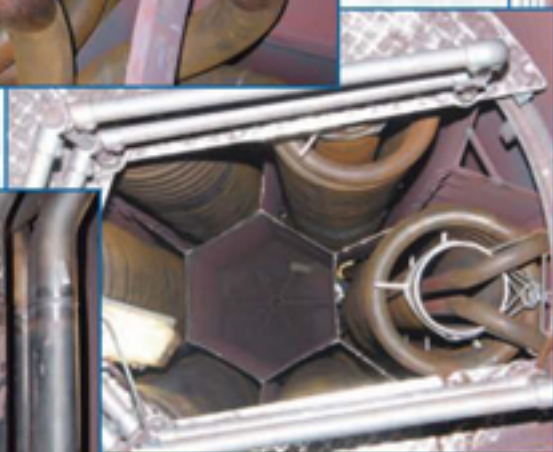
PO Box 80, Calder Vale Road
WAKEFIELD, WF1 5YS

Telephone: +44 (0)1924 780000

Facsimile: +44 (0)1924 201901

E-mail: sales@teiservices.co.uk

Website: www.teiservices.co.uk



Quality Assurance

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