

## VALVE DIVISION

We are pleased to advise, that with effect from 12 October 2010, MCE Group plc was recognised as the preferred supplier for Valve Overhauls to Barking Power Limited.

We have pledged our intention to always meet and where possible exceed their expectations during the performance of our responsibilities under this ongoing arrangement. So, it is up to us all at MCE, to ensure that we fulfil that promise.



Operated by Thames Power Services, it is one of the largest independently-owned generating plants in the UK being capable of generating 1000MW of electricity - about 2% of the peak electricity demand in England and Wales. The station uses Combined Cycle Gas Turbine (CCGT) technology, with gas as its primary fuel, and has a lower environmental impact than older stations. CCGT technology is one of the cleanest and most efficient forms of power generation. Barking is able to generate at approximately 50% thermal efficiency and produces low levels of emissions.



With the exception of finalising security control measures, our **Valve Management Database** is fully operational on the shop floor, with four computer terminals controlling the progress of the Safety, Control and Manual Valves, from goods inward to goods outward. All technicians and supervisors have completed their training and work is proceeding using a paperless system.

At the start of the new year, our IT Department shall be inviting Clients to participate in Beta Testing the remote access facility to ensure it fulfils their needs, before opening the system to all Clients in general.



**Winners of the MCE Annual Golfing Trophy pose on the victors rostrum (well sort of) with the challenge trophy**

Tosh Middleton and Colin Gray of Growhow UK Ltd edged out Adrian Thompson and his partner Peter Cone of VTI into second place, to secure a fine victory at our annual golf outing held this year, as it is every year, at Northaller-ton & Thirsk Golf Club.



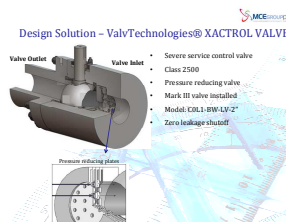
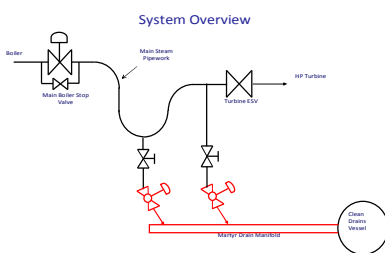
Wintry conditions have brought chaos to the roads throughout the British Isles, affecting MCE’s ability to undertake interim and statutory outage work in the more severe hit areas, such as Ferrybridge and Immingham in the East Riding of North Yorkshire and East Lincolnshire.

## ENGINEERING SOLUTION

Our design team recently produced a martyr drain manifold modification, which ultimately provided an engineering solution to what was a long term, costly problem associated with the boiler drainage system of a major 1200 MW power station.

Main steam pipework connects the boiler to the H.P. Turbine on each of the four units; Martyr drains are used for warming (start up) & draining (shutdown) main steam legs.

Severe internal wear to the manifold and damage to valve seats was being experienced which hard facing could not eliminate. Following flow calculations, it was decided to introduce a diffuser between the valve outlet and the manifold inlet and to replace the existing ball valve with a VTI EXACTROL severe service control valve. This resulted in a reduction of 11% in the flow between the valve and the manifold and a reduction of 79% in the pressure at entry into the manifold. Thickness measurements have been taken on the manifold walls and following a successful trial over a finite period, the solution shall be introduced to the other three units.



The Achilles UVDB Verify Audit has been re-scheduled to take place on Monday 24 January 2010.



SEASONS GREETINGS FROM ALL AT



Remember! Wherever you are and whatever you're doing , be it at work or in the home .....

