



Project: Marchwood CCGT Power Station Cooled Desuperheater

Date: August 2013 · Cost Savings: £200,000 per year



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COOLED DESUPERHEATING AT MARCHWOOD

THE PROBLEM

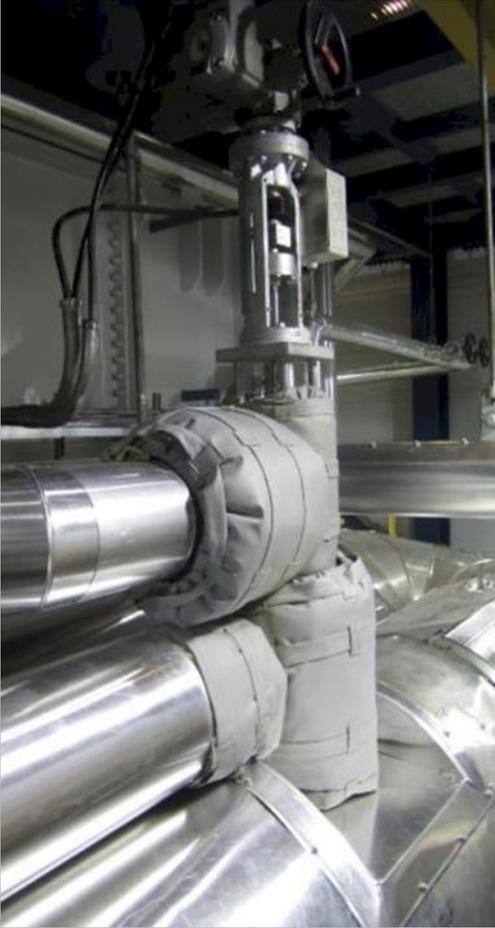
- HRSG final desuperheaters (HP & IP) failing in service
- Life expectancy < 12 months
- Expensive to replace and overhaul
- High cost due to plant unavailability

THE SOLUTION

- High quality, well engineered desuperheaters
- Protected by a steam cooled jacket
- Life expectancy > 12 YEARS!



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The problem for James Brown, the Mechanical Engineer at Marchwood Power Station, was that the desuperheater valves installed would fail on average once a year leading to plant unavailability with all the obvious associated costs and some less obvious engineering issues.

James had worked with AVS on a previous project so had confidence in our engineers. He'd also had a positive experience of Hora valves elsewhere at Marchwood.

The installed desuperheaters were replaced with Hora cooled desuperheaters each protected by a unique steam cooled jacket.

The inspection cycle for the desuperheaters is now > 6 years and replacement is now > 12 years. Project payback was 1 year.

To understand more about the Marchwood Hora cooled desuperheater project and how the cost savings and payback were calculated please call Rik Barry on 0161 242 1355.



Advanced Valve Solutions (AVS) was established in 1999 and has since earned an unparalleled reputation for supplying specialist valves and equipment into some of the most demanding industrial applications. Our team of experienced engineers have been delivering tailor made engineered solutions to our customers in the Power, Petrochemical and Oil & Gas markets.

Over the years AVS has gained intimate knowledge in the specification and selection of complete valve packages including control valves, isolation valves and made to measure process solutions.

AVS represents a number of carefully selected long established quality manufacturers. Good communications and relationships with our principal manufacturers makes it possible to respond quickly and effectively to both your technical needs and delivery requirements.

With our process knowledge and our valve know-how we can optimise different schemes to deliver a bespoke engineered solution for your installation. We believe that this approach is unique within the industry and allows AVS to work in partnership with you, the client

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