



## Hilton experience the benefits of the EnwaMatic®.



### Project:

Hilton International Hotels Ltd.  
Olympia, Belfast & Coventry.  
Heating and cooling systems.

EnwaMatic® units have subsequently been installed at Hilton London Metropole, Waldorf, Kensington, Gatwick, Wembley, Northampton, Bradford, Brighton Metropole, Birmingham Metropole, Caledonian, Leeds and new-build London Tower Bridge



Location	Date	Fe mg/l	Total Fe mg/l	pH	Visual description
Hilton	01.07.03	2.675	705	6.7	Black, opaque liquid, high amounts of particulate
Hilton Olympia	26.01.04	0.05	0.24	9	Clear, colourless.

Hilton Olympia heating system water samples: Visual appearance and laboratory analysis, 2003-2004.

*“I was sceptical of this technology when I first met with ENWA, however, after seeing the dramatic change in water quality and the long term problems disappear it seems like an obvious solution to me”.*

Andrew Staley—Engineering, Facilities & Environmental Manager, Technical Services, Hilton in the UK & Ireland.

### Case history

- High levels of total iron, dissolved iron and particulates identified in water samples from the heating and cooling systems.
- High reactive maintenance costs, including replacement of reverse cycle heat pumps and heat exchangers.
- Poor heat delivery to rooms, resulting from blockages in connective pipework and impaired control valves.
- Blocked strainers within boiler plant.
- £4000 cleaning cost for CHP plate heat exchangers.
- Ineffective chemical inhibition strategies.

### The EnwaMatic® approach

- Progressive introduction of EnwaMatic® water treatment units, 2001-2004.
- Significant reduction in particulate and iron content within three weeks.
- Neutralisation of corrosive water chemistry and stabilisation of pH, hardness and alkalinity.
- Cost effective alternative to conventional chemical dosing systems.
- Reduced Health & Safety considerations.
- Improved Environmental performance.

For a full version of this case study and any other information on the EnwaMatic® water treatment units please contact: