

### Applications: LTHW / MTHW / CHW / COND

Reliably treating over 2,000,000 litres of closed system water across the NHS



#### Great Ormond Street.

"Restoration of system water quality to achieve BSRIA compliance. The system was cleaned using side stream filtration to allow it to be joined to the new extensions distribution network".

Continued on page 2.

Senior Operations Manager, GOSH

#### Scunthorpe General - Theatres.

"I will certainly be specifying your equipment on future projects and thank you again for your technical support with the Hospital Trust. Your equipment actually saved the cost of draining down, having to provide 10,000 litres of fresh water, labour for venting and increased system corrosion due to the associated disruption".

Specified by Pick Everard  
Jeff Fleming, Snr. Mech. Eng.

#### Golden Jubilee, Clydebank

Treating all closed loop systems since 2010. EnwaMatic technology, combining filtration and water treatment, has been included in the new LTHW district heating system, bringing the units across site to ten. Annual maintenance is below £300 per system.

Specified by Arup Glasgow  
David Brodie, Snr. Mech. Eng.



BSRIA - BG 50/2013 - "Side stream units are normally sized such that the whole water system volume passes through the filter at least once over a 24 hour period"

BSRIA - BG 29/2012 - Sidestream filtration can help to preserve the condition of the system after cleaning by capturing residual suspended solids in the circulating water and reducing the accumulation of settled solids in low flow areas and terminal units".



GIG  
CYMRU  
NHS  
WALES

Bwrdd Iechyd  
Aneurin Bevan  
Health Board

#### Caerphilly Hospital, 2011.

1 \* EnwaMatic EM 1672 - LTHW  
2 \* EnwaMatic EM 1252 - CHW



#### Royal Sussex County Hospital

"High dependency wards contain especially vulnerable patients, particularly susceptible to variations in environmental conditions. For such critical systems the Estates Department have high focus on optimising the delivery of heating and cooling to assist patient recovery". Des Weedon, Director of Estates.

Brighton & Sussex University Hospital NHS Trust.

### ADVANCED WATER TECHNOLOGY



#### EnwaMatic®

Side stream filtration  
Corrosion inhibition  
Scale control  
Restricts bacteria  
Air separation

Bespoke stainless steel units for MTHW, high pressure and large volume applications.

Complete automated packages with BMS connectivity.

Glycol retaining automation.

Site surveys, investigation, water analysis, business case development.

Turnkey installations.

Project management and technical support to successful handover.

Dedicated service and after sales department.

Fixed price annual maintenance.

Extended equipment and water treatment process warranties.



### "NEWS"

Please visit our website for more information on recent projects

[www.enwa.co.uk](http://www.enwa.co.uk)

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## Great Ormond Street Hospital

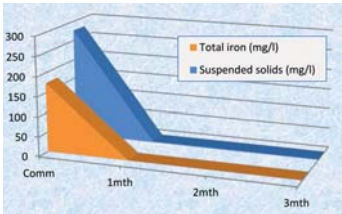


"Utilising Enwa is saving the hospital £40,000 annually by not having to undertake flushing and redosing with chemicals. We are all too familiar with the organising, disruption and associated wastage of water and energy this requires. The EnwaMatic system can transform all too common 'black water' to 'clear water' systems, decreasing maintenance and increasing efficiency without effort, especially when we have joined old systems to new. With results obtained over ten years and greater than 20 installations, from crude 'oil black' sludgy Medium Temperature to chilled water, including glycol condense water systems, Enwa have delivered every time"

Senior Operations Engineer, Estates and Facilities, GOSH.

## Weston Park Hospital, Sheffield

JSH Consulting Ltd. were commissioned by the Sheffield Teaching Hospitals NHS Foundation Trust to investigate, develop proposals and design a scheme to upgrade the existing heating system at Weston Park Hospital in response to problems with under heated areas during extreme winter conditions.



Water quality post commissioning

"In order to provide a non-aggressive clean of the system water, help protect the new stainless steel plate heat exchangers and maintain heat transfer efficiency, an ENWA sidestream filtration and water treatment unit was specified to help prevent any further deterioration of the heating system and it's components"

Andy Wallace, Director, JSH Consulting Ltd.

### Hospital projects include:

New Papworth, Kettering, Leeds General Infirmary, Eastbourne Radiotherapy, Gloucester Royal, Robert Jones Agnes Hunt, Bradgate, Chase Farm, Whipps Cross, Dilke Memorial, Forston Clinic, Glasgow Princess Royal Maternity, Kings College London, Royal Hallamshire, Hillingdon, Lymington, Leighton, Northern General, North Staffordshire, North Middlesex University, Royal Sussex County, Springfield, St Mary's, Southampton General, Torbay, Weston Park, Tolworth, Whitchurch, Walton.

### BREEAM Refurbishment & Environmental Sustainability

MTHW Bespoke  
130 Deg C, 80,000 L

EnwaMatic technology is complimentary to the objectives of refurbishment projects aspiring to achieve BREEAM 'Excellent' and 'Outstanding' awards.

- + Lower running costs. + Reduced environmental impact.
- + Innovative design that's effective in practice.
- + Best practice - Optimal 'Energy carrier' condition.
- + Green Strategy - Moving away from harmful additives.
- + Greater resilience and reliability.



### ADVANCED WATER TECHNOLOGY ENHANCED OPERATION

Ensures reliable operation of heating and cooling systems.

Increased lifespan of components.

Improved energy efficiency.

Optimal energy transfer.

Reduced maintenance costs and plant downtime.

Self regulating treatment process, combined with fully automated operation, reduces risk of non performance.

Non-aggressive, low risk cleaning strategy for older systems.

Direct alternative to traditional chemical dosing. Reduced COSHH management, handling, storage & training.

Improved Health & Safety profile.

Environmentally sound technology. Low energy input, non-hazardous materials.

*"I have no problem recommending Enwa technology for any challenge that we face in the water engineered systems".*

Senior Operations Engineer,  
Estates and Facilities,  
Great Ormond Street Hospital

### ENWA at IHEEM: Manchester Central

Stand D48  
10th - 11th October 2017

[www.healthcare-estates.com](http://www.healthcare-estates.com)

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