



ENWA

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EnwaMatic® compliments Climate Change at University of Warwick.

Project:

University of Warwick.
District Heating Scheme expansion.
Energy Savings Trust grant funded projects combining
cogeneration technologies.



The clarity of the water samples taken from the Gibbet Hill Medical School, and the subsequent chemical analysis demonstrates the efficiency of the system."

Rodney Perry, Services Engineer.

"The introduction of the EnwaMatic® to treat our HVAC systems allowed a higher degree of technology alignment" Alistair Lawry, Utilities Engineer.

Case history

Stage I

- June 2000, new build project, Gibbet Hill Campus Medical School.
- Gibbet Hill Energy Centre designed by Integrated Energy Utilities Ltd to provide a greater contribution to environmental sustainability.
- Received £50 000 grant from Energy Savings Trust to purchase Combined Heat and Power (CHP), technology.
- Coordinated centralisation of site maintenance requirements.
- A suitable water treatment regime required to protect £1 million investment.

Stage II

- University Central Campus expansion commenced 2002.
- £1.15 million grant from Energy Savings Trust to purchase CHP technology & expand district heating distribution network.
- A suitable water treatment regime required to treat 290 m³ system water volume and protect £4 million investment.

The EnwaMatic® approach

- EM 1260 installed 2001 within Gibbet Hill Energy centre.
- Reduced maintenance requirement.
- Reduced COSHH & HSE implications.
- Maintenance of high level of water quality and a clean energy carrier.
- After 18 months operation dissolved metal content: Copper < 0.01 mg/l & Iron < 0.03 mg/l, water chemistry remained stable.
- Proven performance led to the installation of 4 further EnwaMatics®. Conditioning > 340 m³ of HVAC system water on site.
- IEU Ltd have specified EnwaMatic® for similar projects with Southampton University, Aberdeen City Council, Rotherham Metropolitan Borough Council and Norwich City Council housing schemes.

"Combination of both continuous filtration and water treatment, with low running costs and a structured maintenance regime, provide an excellent water conditioning package".

William Rowe, Consultant Engineer/Director, IEU Ltd.

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

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