



Case Study: University of Bristol

Q-ton provides an effective Domestic Hot Water retrofit solution to the University of Bristol

Fact File

Project:

University of Bristol

Project outline: Replace existing sanitary hot water

heating.

Installer:

Air Source Heat & Power (ASHP)

Products:

MHI Q-ton system

1,000 litre hot water enamel cylinder

300 litre cylinder to service recirculation circuit with

2 x 3kw immersion elements connected to an

intelligent pump.





MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONING EUROPE, LTD.



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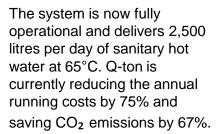


Mitsubishi Heavy Industries Air Conditioning Europe, Ltd (MHIAE) worked closely with ASHP and the engineering consultants to provide sanitary hot water to students at the University of Bristol by installing MHI's highly efficient Q-ton heat pump.

The accommodation block facilitates up to 48 students from September through to July. Most halls of university residence within the UK currently use expensive conventional immersion elements for heating water.

The site energy manager was looking for a sustainable solution to replace the outdated immersion elements.

MHIAE in conjunction with ASHP connected one Q-ton to a 1,000 litre hot water storage tank to deliver sufficient sanitary hot water to students. At the same time the new domestic hot water system has been bought in compliance with the current building regulations.



MHIAE have successfully supplied an effective sustainable retrofit solution in line with BREEAM.

"The Q-ton CO₂ heat pump was definitely the best product for this job..."

Mr Lee Sibthorpe Engineering Director (ASHP)



