

# Plymouth University

Plymouth University has recently replaced its old heating equipment with modern condensing boilers from Buderus in order to improve fuel efficiency and reduce its carbon footprint. At the same time the opportunity was taken to reorganise the whole heating system into an integrated installation designed specifically for the varied usage pattern of the buildings, which cater for over 32,000 enrolled students.

Working closely together with the university environmental team, installation contractors Mitie Engineering specified three 640kW Buderus SB stainless steel condensing boilers to meet the complete heating requirement.

Richard Bell of Mitie Engineering adds "With a remit to ensure a high efficiency system, we conducted thorough testing and evaluation of several brands of boiler for fuel efficiency,

economy of operation, carbon emission levels, reliability and sustainability. We also felt Buderus went that extra bit further with their technical assistance which was also an important factor in our decision to specify the Buderus system."



Thanks to the significantly increased efficiency of the modern boilers, together with the improved thermal properties of the building fabric, total heating capacity could be reduced from the previous 2700kW to just 1920kW. The installation also incorporates the Buderus 4000 series of modular controls which provide comprehensive levels of functionality, further maximising energy savings and allowing for expansion of the system with renewables or additional heating circuits at a later date.

Paul Niles, who heads Plymouth University's environmental team says "Working together with Buderus and

Mitie Engineering we have provided a high efficiency, low carbon heating system which will also reduce our heating bills. The team is continuing to monitor savings achieved in fuel efficiency which are expected to exceed 33% as well as significantly reducing carbon emissions."

## Product specification

- BUDERUS SB615  
640kW Boilers x 3
- BUDERUS 4000 Series  
Modular Controls

**'Working with Buderus... we have provided a high efficiency, low carbon heating system...'**

Intelligent Heating Solutions

**Buderus**

For more details on this and other Buderus fuel efficient installations please visit [www.buderus.co.uk](http://www.buderus.co.uk) or call us for a quotation on (01905) 752 794

In the UK, Buderus is a brand name of Bosch Thermotechnology Ltd., Cotswold Way, Warndon, Worcester, WR4 9SW