



**Challis**  
Water Controls

## CASE STUDY

**SECTOR:** Education

**CLIENT:** UPP

**CONTRACTOR:** Norwest

**LOCATION:** Lancaster University

**PROJECT DESCRIPTION:** Lancaster University was founded in 1964 and, while a relatively young university it is already a UK leader in teaching, research and its approach to sustainability. With this in mind Lancaster University commissioned a Sustainable Energy Infrastructure Study as part of its corporate objectives, which is set to inform the ongoing development of their environmental policy. This includes the development of eco friendly sustainable university student residential accommodation in association with University Partnership Programmes which has now delivered 3385 new student rooms over 3 phases. In conjunction with Challis Water Controls UPP is delivering accommodation focused heavily on sustainability and improving environmental performance



**CUSTOMER REQUIREMENTS:** UPP specification and requirements were very precise. Their aim was to achieve BREEAM rating "Excellent" without having to sacrifice or compromise on the performance of showers and taps. Top of their specification was safety and the fact that CWC units were TMV3 Anti Scald safety approved and WRAS approved meant that all the legislative compliance was met. Value engineering cost control was also high on their list of requirements which was easily met by tax relief saving under the ECA scheme coupled with the reduced whole life cost of CWC units

**UNITS FITTED:** 680 x Water Efficient Shower Mixer Kits and Basin Taps

### SAVINGS ACHIEVED:

With the aid of CWC products Lancaster University Eco Residences have delivered improvements of up to 20% in the consumption of water, electricity and gas on their previous student accommodation

**CUSTOMER COMMENTS & CONCLUSIONS:** Saving in both water and energy have exceeded our expectations and have contributed to our Award of Excellent under the BREEAM Sustainable Building rating system. Our experience of the units is that they have been reliable and robust with excellent levels of performance and minimal maintenance requirement. Challis Water Control units are now our standard specification on all new builds and refurbishments



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