



Challis
Water Controls

CASE STUDY

SECTOR: Defence

CLIENT: MOD

CONTRACTOR: C2C

LOCATION: Wellington Barracks

PROJECT DESCRIPTION: Wellington Barracks adjacent to Buckingham Palace is the home of the Foot Guards whilst on ceremonial duties in the capital. Under Project Aquatrine the MOD had identified Wellington Barracks a primary site for water conservation measures. After an initial survey was undertaken a desktop analysis was made to determine the levels of potential savings that may be expected by the implementation of water saving measures throughout the location. These figures were then presented to the client and on the basis of proven performance data from other MOD sites across the UK the decision was then made to implement the proposed water saving measure throughout the location.



UNITS FITTED: Water Saving Hand Showers x 53 Water saving Anti Vandal Shower x 34 PIR Urinal Controllers x 77 Push Button Tap x 21 Water Saving Tap Aerators x 383

SAVINGS ACHIEVED:

Total Water Savings per Annum 16,461 cubic meters

Total Cost Saving £23,539

Payback Period INCLUDING Installation costs 15 months

No allowance has been made for reduction in energy costs as a direct result of reduced water heating requirement,

CUSTOMER COMMENTS & CONCLUSIONS: Saving in both water and energy have exceeded our expectations particularly as energy savings were not part of our original calculation. Taking out of the equation installation costs, payback period was reduced to below 12 months. Our experience of the units is that they have been reliable and robust with excellent levels of performance and minimal maintenance requirement.



A.L.Challis Limited, Europower House, Lower Road, Cookham, Maidenhead, Berkshire, SL6 9EH
Web: www.alchallis.com Tele: 01628 529024 Fax: 0870 4580577 e-mail: info@alchallis.com