



**Challis**  
Water Controls

## CASE STUDY

**SECTOR:** Defence

**CLIENT:** MOD

**CONTRACTOR:** SEC

**LOCATION:** Aldershot Garrison

**PROJECT DESCRIPTION:** Aldershot Garrison, the home of the British Army is one of the largest garrisons in the UK with over 3500 troops in barracks at any one time. Accommodation ranged from barracks with group showering facilities to individual en suite shower facilities. As one would expect at such a location utilities such as gas electricity and water are very significant expenses. As a military training establishment Aldershot Garrison has a very high turnover of troops and any product used in that environment must meet the highest standards of performance, reliability, robustness and durability



**CUSTOMER REQUIREMENTS:** The government's commitment to reduce carbon emissions has now meant that even the Army is now targeted to reduce energy consumption. With this in mind Aldershot Garrison Estates Dept initiated a wide ranging energy conservation programme to include water conservation and consequently hot water requirement. Customer had specified that any units installed must be quick and easy to fit and maintain and achieve a payback period of under 12 months. Units must have a useful life of over 3 years

**UNITS FITTED:** 680 x LSP-260 Water Saving Showerheads

**SAVINGS ACHIEVED:** Aquiv8 260 units were installed throughout the Garrison and proved to be an immediate success. With over 680 showerheads installed there was a dramatic drop in water usage and consequently in water heating requirements. **Savings In The First Year**

Water £96,000 Water Heating £56,000 **Total Savings £152,000**

**Payback period 12 Weeks**

**CUSTOMER COMMENTS & CONCLUSIONS:** Saving in both water and energy have exceeded our expectations. Our experience of the units is that they have been reliable and robust with excellent levels of performance and minimal maintenance requirement.



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