

March 2007



NEWS



Initial responses to the launch of AcornVac in the UK have been most encouraging. We are pleased to have been able to present the system and supply quotes to several of the major supermarket chains. We have every confidence that, before long, AcornVac will be a preferred option in specifications for new and refurbished supermarkets across the country.

New AcornVac system installed at West Virginia Regional Jail

From the beginning, "We wanted to be environmentally sensitive," said John Chambliss, Roanoke County assistant administrator and a representative on the jail authority

The designs called for a host of energy-saving and eco-friendly measures, such as natural lighting through skylights and the use of runoff rainwater to wash laundry and cars.

One key element in the project has been the installation of an AcornVac vacuum-assisted low-flow toilet system. A relatively new technology in this type of construction, the authority wanted to make sure it would be cost effective.

The facts spoke for themselves: "we can operate with one-third to one-half the water consumption that we'd normally have." Chambliss said.

"Although the system will cost \$150,000 more than conventional plumbing to install, the reduced water and sewer costs will pay that back in six to eight months" he said.

This project is due for completion in the near future.

Major new client in the USA



There are now over 360 food retailers and supermarkets in North America employing AcornVac condensate removal systems. The latest major group to specify AcornVac is Target – one of the three largest food retailers in the USA. The first two systems are due to be installed in the near future.

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A packed seminar at the 2007 refrigeration and air conditioning exhibition was able to hear first hand from six of the UK's major supermarkets how the sector was facing up to the challenges presented by global climate change. The six representatives from Sainsburys, Marks & Spencer, Tesco, Waitrose, ASDA and Somerfield presented a unified statement of policy aimed at reducing their carbon footprint by 15%.

AcornVac can play a part in helping to achieve a reduction in carbon emissions in two key areas. Firstly there are savings in construction time and materials with a consequent saving in energy consumption. Secondly, and often overlooked, is the energy cost of supplying fresh water.

It is easy to take supplied water for granted. But the truth is that water sourcing, storage, purification and delivery all have a quantifiable energy cost. AcornVac could save a retail group over 250 tons of CO₂ emissions every year on water used in wc flushing alone!

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AcornVac comes to the rescue!

When it comes to refurbishment AcornVac really can achieve substantial cost savings. Charles Ricks of Fedcon General Contractors was delighted when they recently installed a supermarket system: "Thank you for the service and help with supplying the AcornVac system. IT WORKS GREAT!!!!. We saved over \$30,000 by using the system. Again I would like to say we are very pleased with the service, operation and quality of the system."

Dundrum Central Mental Hospital

This major grey and black water installation at the high security central hospital in Dublin, Eire has now completed its first full year in operation. Under extremely arduous and demanding conditions, the system has performed impeccably.

This application illustrates the versatility of the AcornVac plumbing system. And with several new major projects in the planning stage we hope to report on new completions in the next AcornVac Newsletter.

AcornVac "down under"

Two large facilities in Australia have utilised AcornVac plumbing systems as part of their environmentally aware approach to prison design.

These are both 500 + bed facilities and are located at:
Woodford Correctional Centre,
Woodford, Queensland and at
Maryborough Correctional Centre,
Maryborough, Queensland

The annual report of the Queensland Government Corrective Services Department states: "Vacuum toilet systems have been included in newly constructed correctional centres, reducing water consumption by at least 25%".



A view inside our new mobile demonstration unit. This has proved a popular means to showcase the AcornVac system in North America where road layouts are better able to accommodate such a large vehicle. The view shows a typical "combi" unit as supplied to many of the prison installations employing AcornVac systems

Acorn Powell, the UK partner of Acorn Engineering and supplier of AcornVac systems, is a company that takes its responsibilities to fair trade, the environment and social issues seriously. The company has an environmental policy and works in accordance with a clear statement of Corporate Social Responsibility (CSR).

Please visit our website for more information on AcornVac condensate and plumbing systems

www.acornpowell.co.uk