Gwent Healthcare NHS Trust

For a number of years the Gwent Healthcare NHS Trust have been an exemplar for the use of the best energy control and conservation in the NHS. While the approach has worked well the infrastructure was getting old and required replacement. Undeterred by a lack of funding the trust decided to use Honeywell's funding to install the latest technology and to guarantee cost savings.
THE CUSTOMER
The Gwent Healthcare NHS Trust provides quality healthcare to more than 600,000 people living in South East Wales and is one of the largest and busiest NHS Trusts in the UK.

It is responsible for delivering healthcare through its three acute hospitals at Newport, Abergavenny and Caerphilly, supported by twenty community hospitals, health centres and clinics and extensive mental health and learning disabilities facilities.

THE CHALLENGE
Because of the age of major parts of the infrastructure it was necessary to refurbish and replace major items of equipment whilst maintaining the level of service within both the Royal Gwent and Neville Hall hospitals. Furthermore the Trust had chosen to lead by innovation and, after evaluation, discarded Contact Energy Management (CEM) in favour of a combined partnership approach.

This meant Honeywell being able to provide a guaranteed level of cost savings to the trust for a 15 year period.

THE SOLUTION
Honeywell undertook the introduction of 17 energy and utility saving initiatives that included: the replacement of heavy fuel oil boilers with dual fuel burners, the installation of Gas Turbine CHP (Combined Heat Power) plant, conversion of lighting ballasts to high frequency units, installation of a modern Building Management System (BMS), the fitting of a new absorption chiller plant and implementation of water conservation measures.

All of this work was carried out under a PFI (Private Finance Initiative) based project.

THE BUSINESS BENEFIT
By partnering, the project risk has been transferred to Honeywell and the Trust has been able to realise guaranteed savings of around £380,000 per year.

Furthermore the Royal Gwent and Nevill Hall hospitals now have the most modern equipment that may have been beyond the financial reach of the Trust on its own.

Partnership is a key part of the contract: Clive Cullinane, The Estates Officer (Energy) says “The PFI Project at the Royal Gwent Hospital has been running for 4 years, there have been some development challenges encountered during this period, however, by working together in the true sense of partnership, Honeywell and the Trust have overcome these and the project has achieved its aims and goals.”

“We as a Trust are looking to develop this partnership using the latest technology to improve patient comfort conditions, reduce operating costs and harmful CO₂ emissions”