



<b>Organisation</b>	Guy's and St Thomas' NHS Foundation Trust
<b>Category</b>	Energy
<b>Please detail your project below</b>	<p>With origins dating back almost 900 years, Guy's and St Thomas' NHS Foundation Trust is made up of two of London's oldest and most-well known teaching hospitals and a wide range of community services from 32 locations across Southwark, Lambeth and Lewisham, with buildings ranging in ages from one to 150 years.</p> <p>In order to enhance services provided to our outlying clinics and departments, Guy's and St Thomas' NHS Foundation Trust has invested in a Building Energy Management System (BEMS) from Trend Control Systems. As well as delivering a substantial reduction in energy use, the investment quickly provided operational efficiencies and patient environment enhancements.</p> <p>Traditionally, each building had been operated as a completely-separate entity, with no cohesive, central management. In addition, most of them didn't have a dedicated onsite facilities manager to look after the building services infrastructure – such as the heating, lighting, ventilation and hot and cold running water. This lack of visibility made it very difficult to maintain a high-quality patient care and working environment.</p> <p>The time spent travelling to the sites was also an issue as, in the event of a problem, multiple visits would often be required to identify and then subsequently rectify any issues. This meant that there was enormous pressure on time, financial and human resources – a situation that had to be resolved.</p>
<b>How has your project improved sustainable development within your organisation or community setting?</b>	<p>As expected, the BEMS has led to significant energy savings and a more-efficient use of this resource, by adjusting setpoints to account for occupancy and seasonal patterns. An internal study was carried out, which showed that in the first year of operation, 350,000kWh of gas was saved and there was also a 16% overall improvement in energy consumption and a 9% carbon reduction.</p> <p>Healthcare estates are highly accountable for how and where they spend their finite financial resources. With less time and money now being spent on remedial works, the trust can now redirect these savings to other areas of the operation, such as improving building fabric, upgrading insulation of existing buildings and developing new facilities.</p> <p>“The number of fault calls we received dropped dramatically once the new system was in place – almost overnight. This is because we can now see, in advance whether there are any problems, the nature of the issue and react to it immediately.</p> <p>The BEMS has allowed us to become a far-more-efficient organisation and has resulted in a solution that stands as an exemplar of what can be achieved. I hope other similar organisations benefit from our experience”</p> <p>David Crane - Head of Essentia Community Contracts</p>



Guy's and St Thomas' NHS Foundation Trust believes that the best healthcare runs efficiently, uses resources wisely, fosters healthy living and provides patients with the best possible care.

**What role does sustainable development play within patient and staff services within your organisation?**

Our Trust puts sustainability at the core of its purpose, and has not only integrated energy and carbon management into its estate, transport and procurement services, but also prioritises the importance of engaging people to make sustainability relevant to everyone.

Our sustainability programme aims to continue to improve staff and patient engagement, and to deliver further savings through this insight. We aim to have over 75% of departments represented by Local Environmental Representatives (LERs) by the end of 2015 (currently at 46%), and will continue our efforts to engage with our community around environmental management.

**Who has led the way on sustainable development within your organisation?**

Energy efficiency is a key pillar of our Board approved, award winning, Sustainability Strategy, and is overseen by the Trust's Sustainability Governance Group, a sub-committee of the Trust Management Executive, and chaired by Sir Hugh Taylor, Trust Chairman. The sustainability programme is led by Alexandra Hammond, Associate Director, Sustainability and by William Holden, Sustainability Support Officer, with the vital help of our many local environment representatives (LERs).

**First Image**

<http://nhssustainabilityawards.co.uk/wp-content/uploads/formidable/Borough-Kidney-Treatment-Centre.jpg>