

Carillion Use Hawkesbury's eSight[®] to save energy at The Great Western Hospital, Swindon



Swindon & Marlborough **NHS**
NHS Trust

Carillion are a facilities management company, working primarily with PFI's (Private Finance Initiatives) and Health Estates. They use eSight Energy's energy suite, eSight, to manage energy across a large number of client estates including The Great Western Hospital at Swindon.

The Great Western Hospital is a very modern district hospital providing emergency care, surgery, diagnostics, paediatric care, maternity and out-patient services. The hospital opened in 2002 and holds over 600 beds.



▪ The Requirement

Due to rising energy bills and increasing legislation, The Great Western Hospital at Swindon realised the need to manage their energy effectively.

Carillion needed to implement a complete energy management solution that would enable them to reduce energy costs and greenhouse gases, and ensure that the existing building management system was being used efficiently at the hospital.

More specifically they required a fully web based system, accessible from any PC across the hospital. They needed to continually monitor energy consumption on a month by month basis, allowing them to compare the data to the same month, year on year, as well as perform further comprehensive analyses of functions such as budgeting, legislative analysis and invoice validation.

"Utilising eSight, we have been able to identify savings in excess of £350K so far. The ease of use and accessibility of a web based system has been invaluable in achieving this."

Keith Garner

Energy Manager - Carillion Plc

▪ The Solution

Carillion had been contracted to reduce energy costs and carbon emissions by 10% per year over three years at The Great Western Hospital, Swindon. To implement this reduction, Carillion used eSight to apply a set of targets across the site.

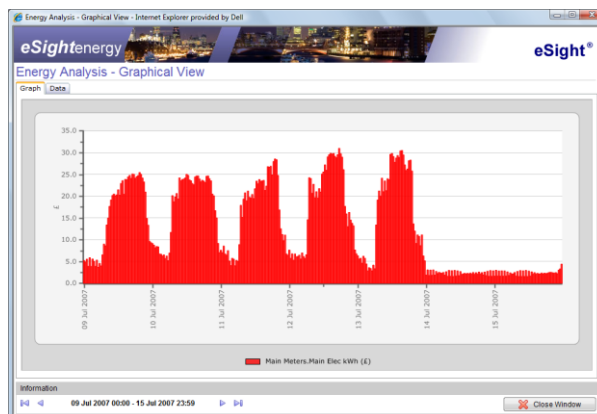
After applying these targets, Carillion were then able to use eSight to analyse the new energy data obtained from the utility companies and compare that data with same month from the previous year. For this the Invoice Validation Module from eSight Energy's eSight was used.

eSight Invoice Validation enabled The Great Western Hospital's invoices to be automatically analysed in bulk with the minimum of manual intervention. Carillion were also required to provide their client with reports on their implemented changes and their resulting effects, namely savings made to date. By making use of the eSight Reporting Tool, Carillion were able to supply the Great Western Hospital with clear, detailed reports on every aspect of their data.

■ Invoice Validation

eSight Invoice Validation provides numerous levels of data validation. Where invoices are available in paper format only, Carillion are able to manually input the information directly from the invoice using eSight's quick manual entry screen.

eSight Invoice Validation enables supplier electronic bulk billing data to be automatically imported. eSight provides the drivers that recognise billing data according to TRADACOMS* Electronic Data Interchange (EDI) formats used by suppliers across the UK.



The ability to automatically validate invoices has significantly enhanced the service provided by Carillion.

"eSight has provided an extremely cost effective means of managing energy at The Great Western Hospital, Swindon. In addition to this, the support we received from eSight Energy whilst rolling out the project has been second to none."

Keith Garner

Energy Manager – Carillion Plc



■ Business Benefits

eSight provides clear business benefits above any M&T products on the market due to its comprehensive and intuitive functionality.

Carillion are able to manage energy across a wide array of client sites; at The Great Western Hospital, Swindon they can screen access to data so that only the hospital can view it.

eSight provides techniques for management of any fuel type and frequency of data. By using the system Carillion have been able to:

- Reduce energy costs
- Reduce electricity usage to 750MWh per annum
- Reduce gas usage to 4,427MWh per annum
- Under spend the allocated energy budget by £350K+
- Reduce CO₂ by 1,365 Tonnes
- Reduce Carbon by 372 Tonnes
- Overall energy usage reduced to 54.8 GJ/ 100M³

■ About eSight Energy

eSight Energy specialises in the supply of **aM&T** solutions. Built upon the very latest Microsoft technology, eSight is our fully browser based energy monitoring and targeting suite.

eSight may be used in conjunction with other products from eSight Energy for the collection and transfer of data between sites.

Please contact eSight Energy if you would like to receive further information about eSight, data collection, data logging, meters, manual meter reading solutions, or pricing and licensing options for your organisation.

eSight is a registered trade mark of eSight Energy Limited.