

The Ability Group

Hilton Hotels



CASE STUDY

Project Details

Client: 5 Hilton hotel sites including the Hilton Liverpool

Facilities:

- > 1023 luxury rooms across 5 sites
- > Multiple restaurants, bars
- > Numerous leisure facilities
- > Function and conference spaces



Goals: Reduce hotel operating costs

Areas of demand:



Electricity - lighting and power for public areas, bedrooms and hotel facilities



Heat - hot water production for swimming pools, leisure facilities and space heating



Air conditioning systems - used to keep rooms and whole complex cool

Challenges

- Constant energy usage due to the range of facilities offered and the 24 hour nature of the portfolio
- Need for installed equipment to be quiet in operation to avoid disturbing guests
- Integration with the wide range of electrical and heating systems found across the hotel portfolio

Solutions

Implemented: "EuroSite Power On-Site Utility Solution"

Installed

5.5-125 kilowatt combined heat and power systems (CHPs)

"We liked EuroSite Power's approach because it required no capital investment and guaranteed us a saving, whatever happens to energy prices in the future" **Head of Hotel & Leisure Division - The Ability Group**

Savings and Benefits



Total electricity generated by EuroSite Power On-Site Utility Solutions



Heat generated by EuroSite Power On-Site Utility Solutions



Total energy saving (as a percentage of total energy costing).

*Savings as of June 2017. 6 month delivery programme commenced in June 2012. The Ability group will continue to realise savings of this magnitude for the next 25 years.

About EuroSite Power On-Site Utility Solution



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The on-site utility model offered by EuroSite Power provides energy efficient solutions that produce electricity, heat, hot water and cooling by financing, installing, operating and maintaining complete cogeneration and cooling systems tailored to a customer's specific site requirements.

Benefits include:

- > Guaranteed, instant energy cost savings
- > No capital outlay means no equipment payback period
- > Overall reduction in operating costs
- > No operating expenditure for the equipment
- > An off balance sheet financial solution
- > Increased cash flow from day one
- > Further financial savings by reducing the costs of environmental taxation e.g. Climate Change Levy, CRC Energy Efficiency Scheme and EU ETS

Delivery of Solution

The Ability Group were looking for a solution that would deliver operational savings across five locations in their UK portfolio, and for this reason they decided to implement multiple EuroSite Power On-Site Utility Solutions.

The Ability Group are currently benefiting from an extended 30-year contract across all five sites. This arrangement provides a series of economic, operational and environmental benefits that guarantees direct energy cost savings by generating a substantial portion of their electricity and heat at each of their sites, rather than buying the energy from the national grid.

The savings are being delivered by combined heat and power system (CHP) installations at every site – which have been provided on the basis that the equipment is owned, operated and maintained by EuroSite Power – thus resulting in zero capital and resource expenditure for The Ability Group. Furthermore, two of The Ability Group's sites had pre-existing, CHP systems; EuroSite Power purchased the old systems from the client, recommissioned the units and assumed all of the risk, therefore enhancing the overall potential savings.

On-going service

EuroSite Power assumes all responsibility for the operation, maintenance and performance of all systems. We pride ourselves on being able to ensure continuity of supply and optimal functionality for all of our on-site solutions. EuroSite Power's maintenance programme includes the following services:

- > **A comprehensive helpdesk service**
- > **Strategic and preventive maintenance to enhance equipment reliability and reduce potential failures**
- > **Predictive assessments of the equipment to forecast maintenance work orders**
- > **Statutory maintenance to comply with specific legal regulations**
- > **Long term planning – a complete asset management program that tracks all major facilities**
- > **Regular reporting and annual review**
- > **Responsive fault call-out and efficient facility refinement**
- > **A committed collaboration that seeks to guarantee client objectives**

Contact us today

Set up a site assessment and start your energy cost savings.

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