



# Haverhill Leisure Centre

Abbeycroft Leisure



CASE STUDY

## Project Details

**Client:** Haverhill Leisure Centre (Abbeycroft Leisure)

### Facilities:

- > State of the art fitness suite, health suite and free weight room
- > Competitive swimming pool
- > Sports hall, Squash & Tennis courts and multi-purpose studios and rooms
- > Large children's play area – "Kid City"



## Goals: Reduce leisure centres operating costs

Areas of demand:



Electricity - lighting and power for public areas, bedrooms and leisure centre 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

- Needed a technical solution that would accommodate future energy demand and fit within the plant room space available
- Need to provide air-conditioning to refurbished areas without increasing electrical load of building due to capacity issues on main incomer
- Stricter energy legislation

## Solutions

Implemented: "EuroSite Power On-Site Utility Solution"

### Installed

100 kilowatt combined heat and power system (CHP)

85 kilowatt gas engine VRF heat pump (air conditioning)

"We were impressed that EuroSite Power finances the equipment – including its installation and ongoing maintenance - which takes all the hassle and risk out of meeting our future energy needs."

**Simon Ginders-Coxshall - General Manager - Abbeycroft Leisure**

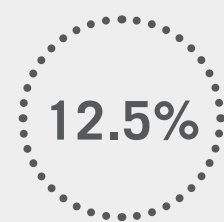
## Savings and Benefits



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 November 2012. Haverhill Leisure Centre will continue to realise savings of this magnitude for the next 15 years.

# About EuroSite Power On-Site Utility Solution



## About EuroSite Power On-Site Utility Solution

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

Abbeycroft Leisure, EuroSite's first client, decided to implement the EuroSite Power On-Site Utility Solution at Haverhill Leisure Centre as it would deliver them a series of economic, operational and environmental benefits. Going forward a substantial portion of their electricity, heat and cooling will be generated at their own site; rather than buying energy from the national grid. The savings have been delivered by a combination of a 100 kilowatt combined heat and power system (CHP) and an 85 kilowatt gas engine VRF heat pump, both of which have been provided on the basis that the equipment is owned, operated and maintained by EuroSite Power meaning zero capital outlay for Abbeycroft Leisure.

We have now installed two more CHPs at two other Abbeycroft Leisure Centres in Bury St Edmunds and Newmarket.

## 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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