

Dachs *Professional*

Dachs declaration of independence No. 4,943



Our 4,943th reference site : mhs homes in Rochester, Kent.

Housing Association goes green with Dachs CHP

Dachs CHPs reduce CO₂ Emissions and Energy consumption!

In October 2002, **mhs homes** became the first housing association in the UK to utilise combined heat and power technology. Two Dachs mini-CHP units were installed in Elizabeth House as part of an upgrade to reduce the costs of providing heating, hot water and electricity to the 21 apartments. **mhs homes** selected the equipment because it presented them with a new way forward in their quest for energy efficiency and environmental benefits. The small

footprint of the Dachs, together with its low noise level and reliability, make it extremely suitable for refurbishment projects, and sheltered housing schemes are particularly suitable due to their year round requirement for heat and hot water. The Dachs mini-CHP units have operated reliably and efficiently for four years and all the cost savings have been passed on to the residents. **mhs homes** are hoping to eventually upgrade a further 20 schemes in a similar way.



SENERTEC

Elizabeth House in Kent

Commissioned: October 2002
 Running hours to end of Dec. 2006 45,500
 No. Dachs: two
 Average gas price: 0.03 £/m³
 Average electricity price: 0.09 £/kWh
 On-site usage of generated electricity: 100%
 Overall efficiency of boiler: 75%



Predicted energy balance after 4 years:

Value of energy generated by Dachs	kW	hrs	£/kWh	£
Electricity	5.5	45,500	0.09	22,523
Heat	12.5	45,500	0.04	22,750
Total				45,273
Costs	kW	hrs	£/kWh	£
Gas costs	22.8	45,500	0.03	31,122
Service	5.5	45,500	0.01	2,503
Total				11,625
Savings				11,648



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Dachs - the boiler that pays for itself.