

MINI-COMBINED HEAT AND POWER (M-CHP)

Background:

Over the last two years, there has been increase in interest in many forms of small-scale combined heat and power (CHP).

Baxi Group is one of Europe's leading heating and home comfort specialists. In 2003, and following the acquisition of German company Senertec GmbH, Baxi launched the DACHS mini-CHP unit in the UK market.

The Dachs unit provides 12.5kW thermal and 5.5kW electrical output, making it suitable for many applications including hostels, multi-tenanted housing schemes, nursing and other residential homes, hotels, gyms and many public sector sites.

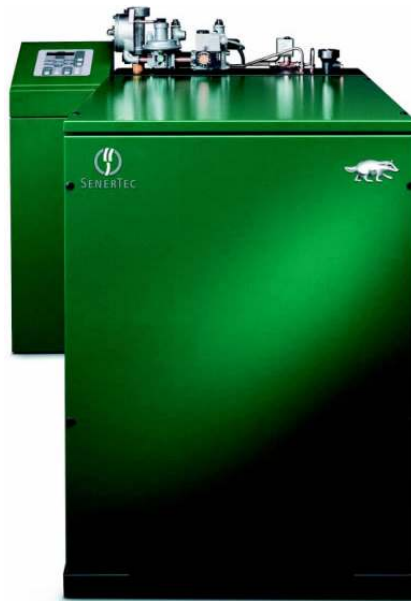
There are approximately 9,000 units already installed in Europe.

NIE, in collaboration with Baxi and Phoenix Natural Gas, is supporting the installation of five units in the Northern Ireland market.

Two units have been installed to date, in residential care homes in Ballycastle (Causeway Health and Social Services Trust) and Dunmurry (Down and Lisburn Health and Social Services Trust). The performance of these mini-CHP units is being fully monitored via the metering of the electricity generated, heat produced and the fuel input used.

How does it work?

The DACHS uses conventional internal combustion technology specifically developed for stationary heat and power applications. Units are available for operation on natural gas, fuel oil and LPG. It is estimated that with the DACHS operating as a lead heating appliance, annual energy costs would be reduced by around £1,000.



Cost:

The units cost approximately £9,000, with a further installation cost of around £3,000 depending on site requirements. NIE and Phoenix are supporting a further grant of £3,000 towards the cost of installing a unit. For further information, contact George Elliott at Phoenix Tel 028 9055 5512.

Useful Contacts:

www.niesmart.co.uk

www.baxitech.co.uk



Seymour House, Dunmurry



From left: Jenny Boyd - NIE, Paula Thompson - DLHSST, Gerry Donnelly - Ofreg, Wayne Hutton - installer and Robert Spence - DLHSST.

Supported by:



BAXI TECHNOLOGIES UK