

## Key Points

### Technology

XRGI 13G CHP system

### Benefits

Predicted annual generation:

81,860kWh electricity

194,613kWh heat

CO2 reduction:

20% per year

### Collaborators

Carbon Trust

Sustain Ltd

# Case Study - LACE Housing Association



“Olsen Court opened in February 2006 and we have been extremely pleased with the efficiency and reliability of the system”

EC Power, in conjunction with their distributor Sustain, one of the UK's leading energy efficiency programme management companies, has installed a CHP unit which saves LACE Housing Association nearly £3,000 per annum together with a 20% reduction in CO2 output in one of its sheltered housing schemes.

During the development of Olsen Court, North East Lincoln, energy conscious LACE Housing Association approached the team for a viable energy solution for its latest project.



[www.ecpower.co.uk](http://www.ecpower.co.uk)

OLSEN COURT



“The original design was to have all-electric heating but we knew this would probably result in relatively high fuel bills for the housing association, as well as increased associated carbon emissions,” comments Nick Chambers, Chief Executive, LACE Housing Association. “We approached Sustain to carry out an initial calculation of the heat and power demand and they recommended using EC Power’s affordable and efficient CHP unit.”

A 13KWe EC Power gas-fired unit was then installed into the complex which consists of 38 two bedroom self contained flats, on the ground and first floor. Additional communal facilities which require energy within the building include hairdressers, launderette, restaurant, lounge, coffee bar and mobility scooter storage/charging.

The unit has a run time of over 7,000 hours per annum and is predicted to generate 81,860kWh of electricity and 194,613kWh of heat per annum.

“Olsen Court opened in February 2006 and we have been extremely pleased with the efficiency and reliability of the system,” concludes Nick.

Spurred on by the success of this first project, LACE Housing is now planning to use EC Powers CHP systems at further sites within their housing portfolio.

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