



LOCHEE MULTI STOREY DEVELOPMENT CESP PROJECT, DUNDEE

McGill were appointed Principal Contractor on a Community Energy Savings Projects (CESP) in the Lochee area of Dundee by Dundee City Council.

In conjunction with British Gas the four blocks of flats were given new energy efficient heating, external insulation and new cladding with CESP Funding, in order to improve energy efficient standards and reduce fuel bills.

McGill were employed under a Design & Build Contract to construct and fit-out two Energy Centres to provide the source of supply for LTHW & DHW Heating to replace the existing electric heating to the 336 flats in the four blocks.

The Services in each of the energy centres consisted of gas fired boilers, pressurisation unit, pumps, sidestream filtration units, interconnecting pipework and BEMS controls. To reduce installation time on site, the pipework was pre-fabricated off site in McGill's workshop.

From the energy centres underground pre-insulated pipework was installed and connected to carbon steel pipework installed vertically and horizontally in each multi storey block, terminating at the Heat Interface Unit in each flat.

Only after the energy centres were tested and commissioned, and heat was available at the HIU did work commence associated with renewing the heating system in each flat. This method of working meant that the tenant was never without heating or hot water as the works were completed in one day.

Replacement kitchens & bathroom were carried out in each of the 336 apartments. This project valued at £4.4m was completed in December 2012.

CLIENT
Dundee City Council

CONTRACT DURATION
32 Weeks

COMPLETION DATE
December 2012

VALUE
£4.4m

KEY FEATURES
CESP Funded

Construction of two Energy Centres servicing 168 apartments each

Domestic heating system in each flat replaced in one day

Kitchen & bathroom replacements

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