display™
European Municipal Buildings Climate Campaign

HU - Budapest

Kobanya Galvanises Resident Support

Towards Class A - Shining examples

...are everywhere and in a town near you...

Inspiration, Financing and Project Management

The Csombor Utca project was initiated by the municipality of Kobanya, with co-funding from the European Community and from the residents themselves. As the primary contractor, the municipality appointed a management company, Kobányai Vagyonkezelo Rt, to oversee the competitive tender process and administer the various project contracts.

Improvements

Built in 1980, Csombor Utca 5-7 is a five storey, 56 flat high-rise in Budapest.

Improvements to the building envelope included insulation to the basement ceiling and facade. 40mm polystyrene insulating board was fixed to the slab's lower surface and 80mm polystyrene insulation was glued to external walls, then plastic coated and coloured. Seals were fitted to windows and doors.

Heating system upgrade included fitting pipe insulation, new consumption-regulating devices to the main feed pipes in the basement, TRVs to radiators, new loop circuits to staircase radiators and automatic valves to gas pipes.

Key Performance Data

- Space heating energy consumption before refurbishment: 246 kWh/m2a
- Space heating energy consumption after refurbishment: 137 kWh/m2a
- Saving: 44%

Residents felt that the government was supporting their interests by structuring the investment to pay for itself within eight years and by making sufficient support available to ensure that they did not encounter financial difficulties. The residents did have to raise 20% of the completion amount, which proved very difficult.

Summary

Csombor Utca is a Shining Example of high-rise refurbishment. It clearly demonstrates the extent of energy savings achievable through a holistic technical approach. Truly exceptional however, are the considerable improvements in resident comfort and energy savings due largely to the dedication of Kobanya municipality.

It was their leadership, beyond funding requirements, which facilitated residents' commitment to the project, both financially and in terms of participation in the project management.

For details see the Display website!

www.display-campaign.org

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Partners

Energie Cités · EnEffect · EuroACE The European Alliance of Companies for Energy Efficiency in Buildings · CCRE CEMR · ACE/CAE Architects' Council of Europe / Conseil des Architectes d'Europe

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