

ENERGY CONSERVATION ON EXISTING BUILDINGS IN MILAN:
RETROFIT/MAINTENANCE ASSOCIATED PROGRAM ON 2000 DWELLINGS

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ABSTRACT

Preliminary results of a demonstration program on energy retrofits of 2000 low-cost apartments in the Northern Italy Lombardy Region are presented.

Within this program, a novel energy audit and technical-economic analysis procedure has been developed. The main feature of this procedure is to couple energy saving retrofits and ordinary building maintenance operations.

This approach has proved to be particularly cost-effective when dealing with seriously decayed housing stocks. Results of the energy analysis for a group of 21 buildings are presented and discussed. The actual retrofit actions are currently (winter 83-84) under way. Future plans call for an extension of the program to 20,000 apartments with a total funding of about US\$ 6 million from government agencies.