



Renovation and modernization 2016-2020

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President of the National Federation of Housing Cooperatives and
Condominiums – Brussels, 14.06.2016



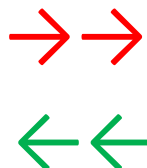
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**The LOSZ works with a standard home institution,
the Energy Club**



ENERGIACLUB
SZAKPOLITIKAI INTÉZET
MÓDSZERTANI KÖZPONT



**and jointly prepared a proposal on energy
modernization opportunities in buildings in
Hungary!**



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The most important findings of the study:
The continuous energy modernization of the residential building stock is necessary and justified, because

- nearly 20% of households' energy bills consume about one third of income,
- the potential energy savings can be interesting for both the public and the private sector (insulation, windows, heating)
- Based on the income situation, without support meaningful change occurs slowly



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Recommendations:

- The previous government support, tender forms should continue
- Creating an Energy saving consultancy Network: advocacy, practical info on how to save energy daily
- Solutions should be integrated in the modernization strategies of the European Union and Member States'
- Developing support and incentive systems (tax policy)



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A completed programme that can be a base of a future project

The goal: energy-efficient modernization of residential buildings



The 234-unit residential building constructed by panel technology in 1971,

The beneficiaries

Housing Co-operative apartment building
(the apartments are owned by the members)



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Implemented modernization works:

- Window replacements (702 pcs)
- Roof, facade, color reception insulation (12 cm Austrotherm insulating material 10 300 m²)
- Heating upgrade (heating pipeline, jumper, thermostatic radiator valve, with cost- sharing)

Contractor: public procurement contractor selected





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Investment cost: € 482 540 gross (27% VAT included)

- Financing own strength: € 88,890
- housing society loans (4 year duration) € 33,651
- Refurbishment loan (5 + 5 years duration) € 57,143
Rate: 3% in the first five years
6.5% in the the second five years



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loan repayments/apartment

housing society loans (48 months)	30.20 €/month
Refurbishment loan	36.35 €/month
+ Maintenance (rent) monthly fee	33.75 €/month

(Net average wage in Hungary: 750 € (1 € = 315 HUF))

Expected contribution from EIB: 50% of the project's gross amount
(non-refundable)





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Significant support



Significantly lower interest burden and
significant energy-saving renovations

Suggested options:

- 50 – 90 % of flat gross construction cost, but € 6,000 of the maximum
- or grant 35-40 € / m² of the fixed amount





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Thank you for your attention!