
Implementation of energy efficiency programs / projects in Lithuania



TRANSPARENCY | PROFESSIONALISM | EFFICIENCY

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Housing Energy Efficiency Agency (BETA) – authority administrating energy efficiency programs



Modernisation of multi-apartment buildings program



Energy efficient renewal of Municipal urban areas program



Installation of alternative energy sources in multi-apartment buildings



Modernization of heating and hot water systems in multi-apartment buildings



Modernization of private public and industrial buildings

Purpose of the Program

To increase energy efficiency in multi-apartment buildings



multi-apartment buildings constructed before 1993 (*3 or more apartments*)



an energy audit + energy performance certificate + investment project are required



after the modernization at least energy efficiency class C and thermal energy savings of at least 40% should be achieved

for a cultural heritage buildings are fixed lower energy efficiency requirements (*at least 25 % of energy savings*)



majority (50%+1) of owners vote for modernisation

Priorities for multi-apartment buildings included in Urban Areas Energy Efficiency programs approved by municipalities

PROGRAM
FUNDING
CONDITIONS
(1)

PROGRAM FUNDING CONDITIONS (2)



Soft loans for a 20 years with 3% fixed interest for the first 5 years



100% state grant for technical documentation preparation, technical supervision of works and project administration



30% state grant of modernization costs



For financially vulnerable population entitled to compensation for heating, the State covers 100% of all modernization costs

80% of projects are implemented by the Programme administrators appointed by the Municipalities

PROGRAM ORGANIZATIONAL FRAMEWORK

NATIONAL:

- Ministry of Environment, Ministry of Finance
- Housing Energy Efficiency Agency (BETA)
- Financial institutions
- Central Procurement Office (CPO)

LOCAL:

- Municipality (inefficient building selection, Program preparation, appointing Program administrator, supervision)
- Program/ project administrator (appointed by Municipality or homeowners)
- Engineers consultants (preparation of investment projects, support on procurement and supervision of works)
- Contractors
- Owners of apartments

PROGRAM RESULTS (1)

Completed projects

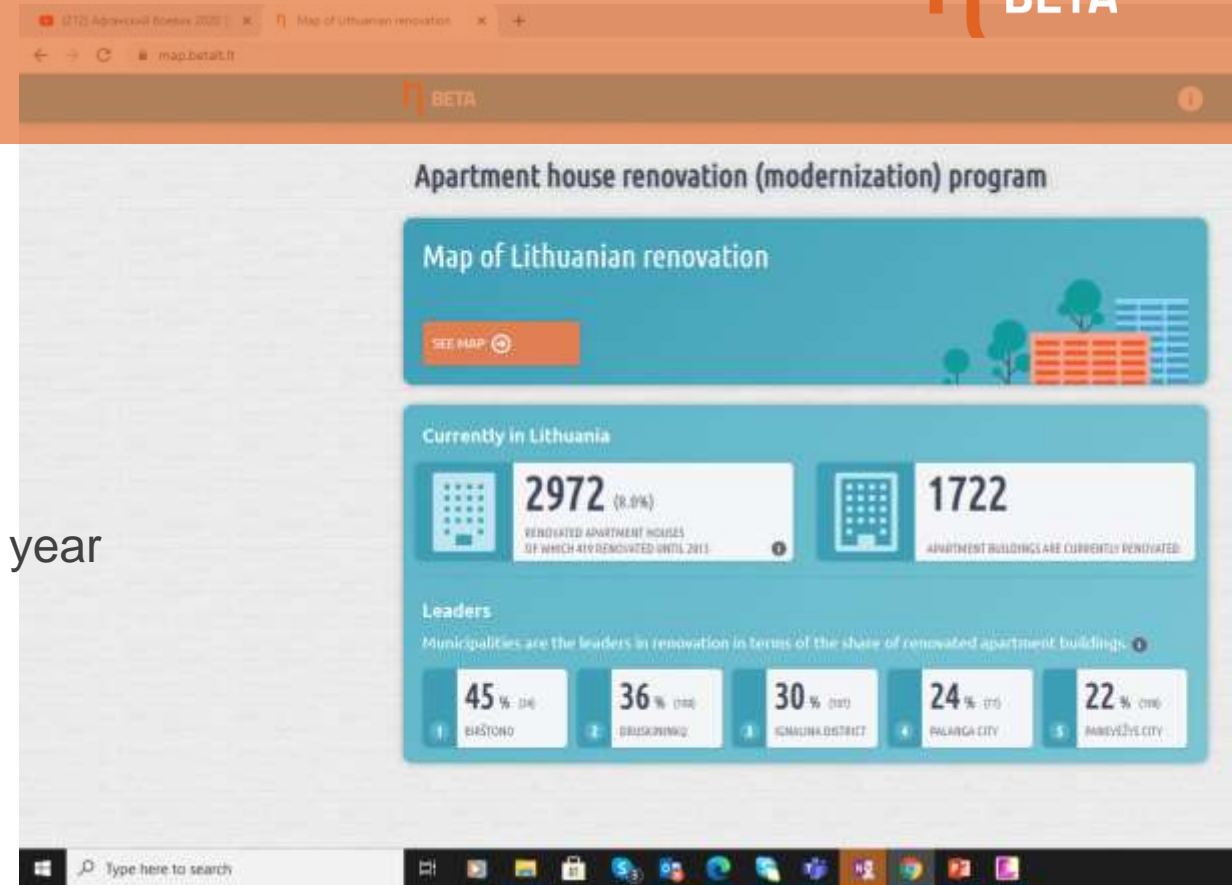
Completed **2.972** projects

- **85** thousand apartments
- **830** mill. EUR investment
- **765** GWh thermal energy savings per year
- **180** thousand tonnes CO2 emissions

Projects being implemented now

Currently, **1.722** multi- apartment building renovation projects are being implemented

- about **57** thousand apartments
- about **760** mln. EUR planned investments



OTHER PROGRAM RESULTS (2)



Investments – 830 mill. EUR
which represents more than
30% of last year's turnover in
the all construction sector



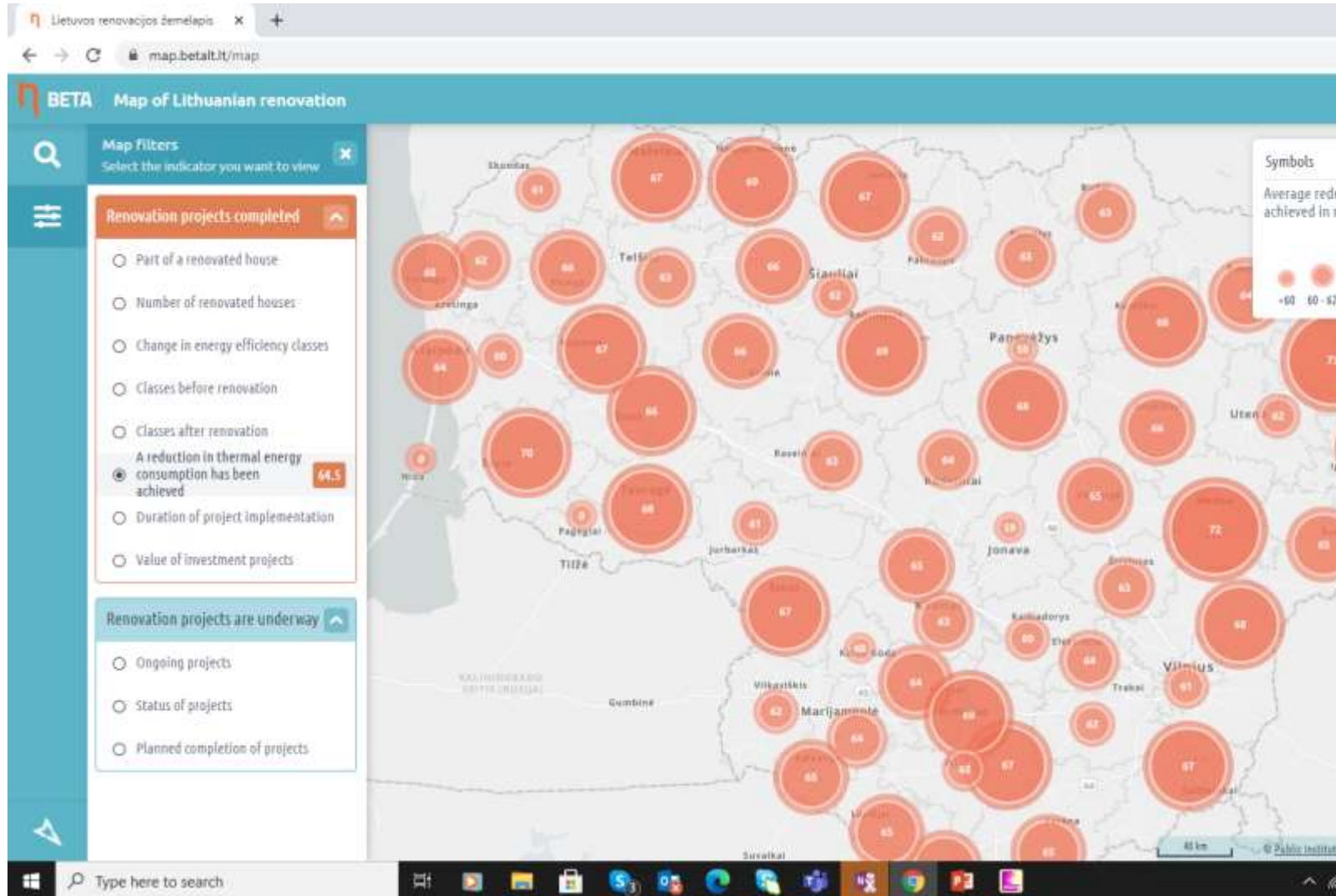
300 construction companies
are participating in multi-
apartment building renovation
program

15 000 new jobs
some of which are short-term

20-25%
increased value of apartment in a
modernized building

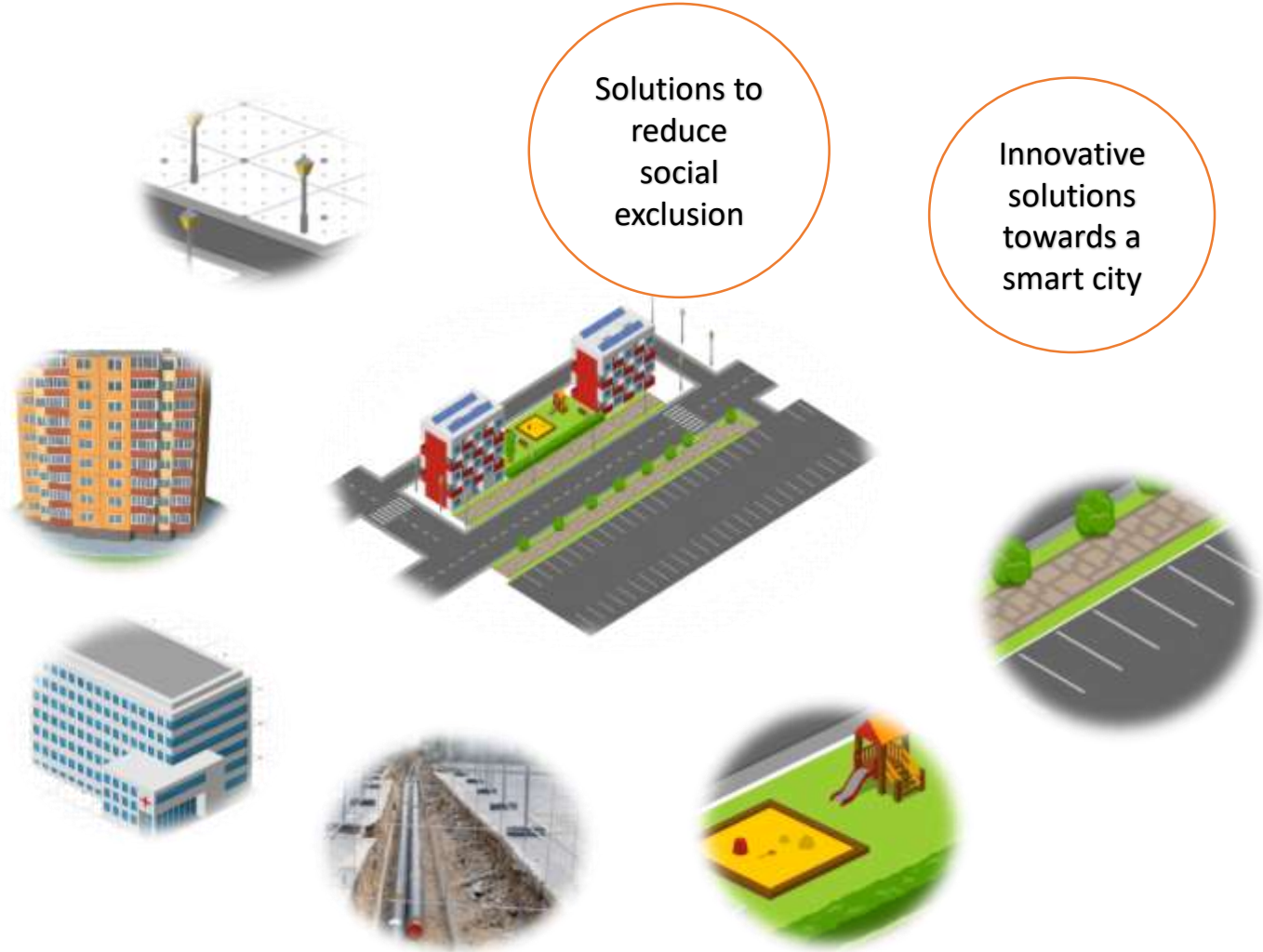
EFFECT TO ENERGY SECTOR

- Average energy saving (actual) is **64,5%**, in some buildings - **70%** (max. **87%**) or about **72.2 kWh / m²** per year
- The amount of thermal energy saved by renovated ~ 2.972 multi-apartment buildings are **765 GWh** per year, and CO2 emissions are reduced by **180 thousand tons** per year



MUNICIPALITIES STARTED TO DEVELOPE URBAN AREAS ENERGY EFFICIENCY PROGRAMS WHICH AIMS TO:

- to comprehensively renovate the selected urban area, increasing the energy efficiency of all buildings and related infrastructure (street lighting, engineering infrastructure, etc.)
- to improve the living environment by adapting it to the needs of various social population groups (children's playgrounds, green areas, etc.)
- to solve access and parking issues





It's not a site of new building construction – it's modernization of Soviet type multi-apartment buildings by implementing of Municipal urban area energy efficiency program in one of municipalities

More Information

For info or further questions on this presentation please contact the JASPERS Networking and Competence Centre:

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