



DIRECTIVE 2002/91/EC TRANSPOSITION AND IMPLEMENTATION IN LITHUANIA

Ministry of Environment
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CURRENT SITUATION (1)



- Population – 3,34mln
- More than 38,000 multifamily buildings
- More than 800,000 apartments
- Structure of buildings by years:
 - 26% built before 1960;
 - 65% - 1960 – 1990;
 - 9% - after 1990



CURRENT SITUATION (2)

- 97% private, only 3% municipal rental stock;
- Most in poor condition, lack of proper management;
- Inefficient heating systems and engineering equipment, bad quality windows, roofs, seals between panels
- More than 57% of Lithuanians households are not satisfied with their houses
- Aprox. 66% of population lives in multifamily houses built until 1993



TRANSPOSITION OF THE DIRECTIVE 2002/91/EC. LEGAL CONTEXT

Responsibility of the implementation of EPBD is divided between:

- Ministry of Environment (articles 3,4,5,6,7 and partly article 10);
- Ministry of Economy (articles 8,9 and partly article 10)

Main provisions on energy performance are described in:

- Law on Construction;
- Law on Energy

Directive is fully transposed into national legislation.



TRANSPOSITION OF THE DIRECTIVE 2002/91/EC. CALCULATION PROCEDURE

- Calculation procedure was defined (Build. Techn. Reg. STR 2.01.09:2005 Energy Performance of Buildings. Certification of Energy Performance of Buildings);
- Software tool was prepared;
- Experts training program was created;
- Methodical material for experts attestation was prepared;
- Rules and procedures for work of experts were adopted;
- Institutions responsible for experts training and attestation were appointed;
- Commission for experts attestation constituted;



ASSESSMENT OF ENERGY PERFORMANCE OF BUILDING

Building shall be marked under certain energy performance class:

- Seven classes A, B, C, D, E, F, G;

All buildings are to be designed according to the requirements of Regulation STR 2.05.01:2005 Thermal Technique of Envelopes of the Buildings:

- Normative requirements for thermal protection of residential building envelope: roofs, ceiling, building elements, external walls, windows and transparent building elements, doors and gates, linear thermal bridges



REQUIREMENTS FOR NEW BUILDINGS

- Requirement for Energy Performance Class (must be not less than C);
(valid for all new buildings for which the set of the design terms was issued after the Regulation came into force from January 4, 2006;
- Certification requirement from January 1, 2007



REQUIREMENTS FOR EXISTING BUILDINGS

- Certification requirements for existing and after major renovation (refurbished) buildings will come into force from January 1, 2009;
- Requirements for energy performance class are not obligatory for existing buildings (building parts) for sale or rent, but evaluation procedure will be mandatory from January 1, 2009;
- Energy performance class of large buildings (building parts) with heated area over 1000 m² after major renovation (refurbished) must be not less D.

EXPERTS, INSPECTORS, CERTIFICATES



- Experts Training courses started on November, 2006;
- Group of 191 experts are attested till May, 2008;
- Training of inspectors for boilers, heating and air conditioning systems practically will start at the end of 2008;
- 594 certificates of the energy performance for new buildings have been issued by May 2008 in Lithuania;
- Cost of certificate depends on size of the building (flat) and is determined by the market.



PROGRAMM FOR REFURBISHMENT OF MULTIFAMILY BUILDINGS (1)

- Main task – to provide support to home owners of multifamily buildings with implementation of energy efficiency measures;
- Started at the end of 2005;
- Participants are: apartment owners, Housing and Urban Development Agency (HUDA), Municipalities, Commercial banks, Housing insurance companies, Housing administration companies, Engineering consultant companies, Contractors



PROGRAMM FOR REFURBISHMENT OF MULTIFAMILY BUILDINGS (2)

State grant, depending on implemented energy efficiency measures:

- 0% - no implemented energy efficiency measures;
- 15% - when implemented simple energy efficiency measures;
- 30% - when implemented high energy efficiency measures (energy efficiency after refurbishment could be aprox. 30%);
- 50% - complex modernisation (including insulation of external walls)



Modernisation program results and estimation

From 2005 – till now

- Approved 600 investment projects;
- Implemented 238 projects;
- Invested 22,3 million EUR (150 millions EUR are planned to be invested in the nearest future);
- 120 – 150 additional job places created



FUTURE PLANS

Till 2020:

- It is planned to refurbish 24.000 multifamily buildings;
- It is expected to be invested 11,5 billion EUR;
- It will be created hundreds of a new work places



ADVERTISING COMPANY

- International conference on Energy Efficiency in Buildings. Brokerage of Project Ideas. Place: Construction and Renovation Exhibition, 2009, Vilnius.
- List of qualified experts and list of valid certificates – on website www.spsc.lt
- Data on 100 multi-apartment buildings after renovation have been collected. Success implemented projects – on website www.bkagentura.lt;