







RENOVATING MULTI FAMILY BUILDINGS THROUGH ENERGY PERFORMANCE CONTRACTING (EPC+) SUNSHINE PROJECT - LATVIA

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WHO WE ARE AND WHAT 20 MINUTES WILL COVER

- Sunshine Consortium
- Reality check
- ★ What has the "Renesco LAB" achieved- a comparison of three buildings
- + The macro: what happens if we set a goal of 70% deep renovations
 - → Assumptions
 - → How do we tackle it?
 - → What does it cost?
 - → What are the savings?
 - → What does it do to our balance of payments
- **→** The Cascade of Benefits of working together!
- And that's why LABEEF



SUNSHINE CONSORTIUM MEMBERS



EKU SAGI ABĀŠANAS IN



















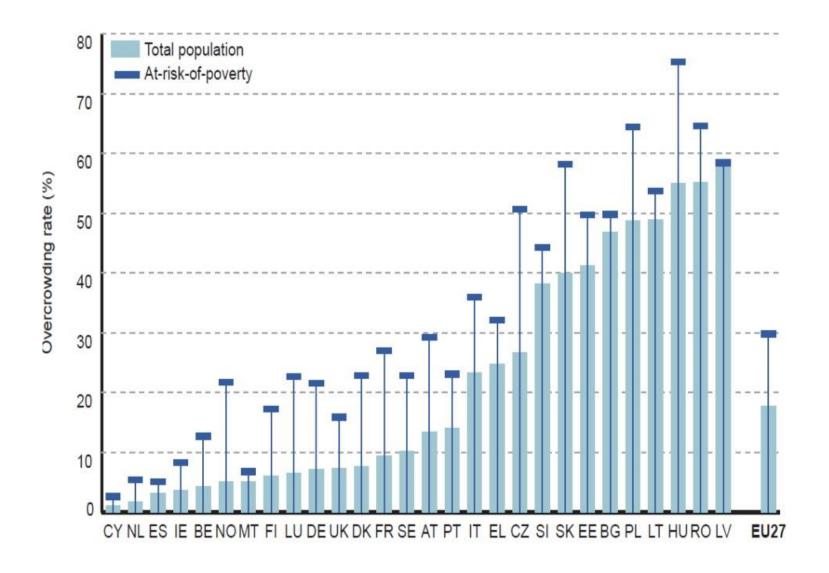


"All our salaries and pensions are burning up in [...] heating ..."

Russian Deputy Premier Boris Nemtsov, March 1997



REALITY CHECK



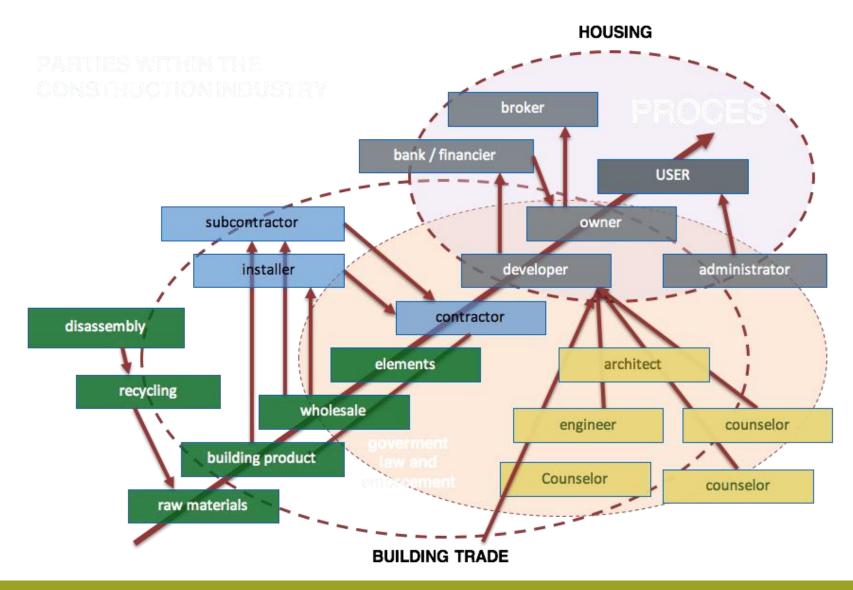


SO, WHY AREN'T OWNERS DOING SOMETHING?

- »They cannot prepare proper renovation and maintenance plans
- »They have great difficulty to organise the decisionmaking process
- »They mistrust and misunderstand financial and technical risks and opportunities
- »They are afraid of bank loans
- »Many who have tried to renovate have ended up receiving poor quality works for inflated prices
- »Collectively residents are conservative and very risk aver



Even if they did know, here's what they face



RENESCO LAB - DEEP RENOVATION



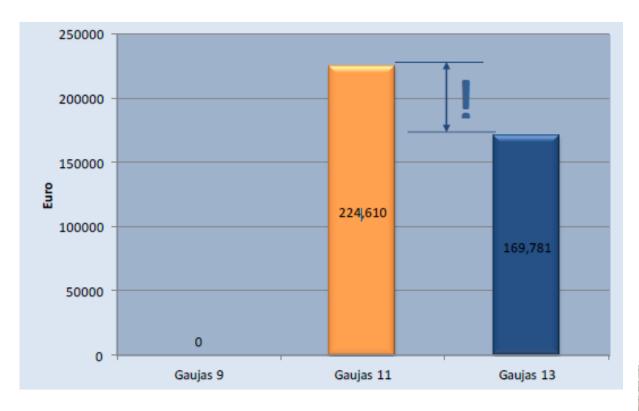
Building Envelope Heating regulators Hot water system Roof **Stairwells** Land

heated 1860 m²,

36 apartments.



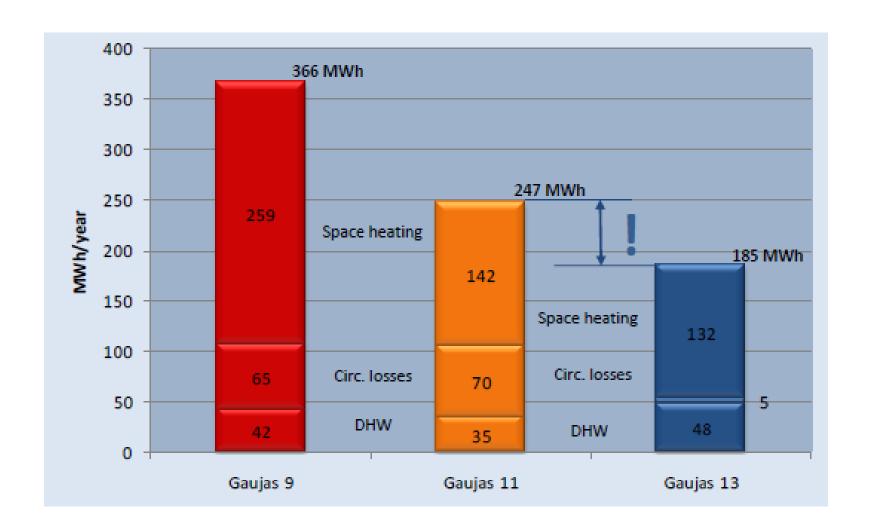
How much did it cost?





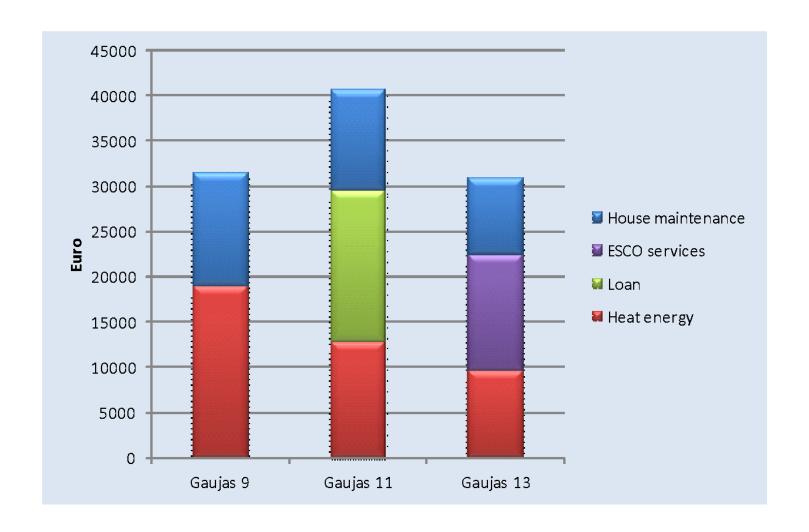


How much did they save?



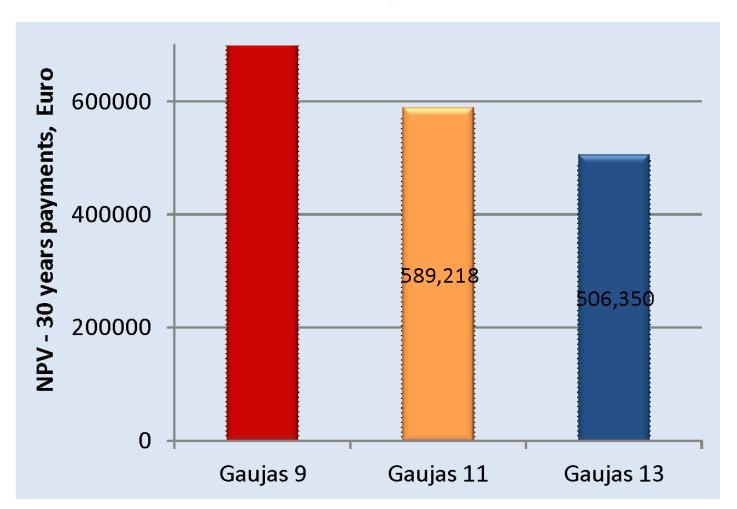


How much do they pay?



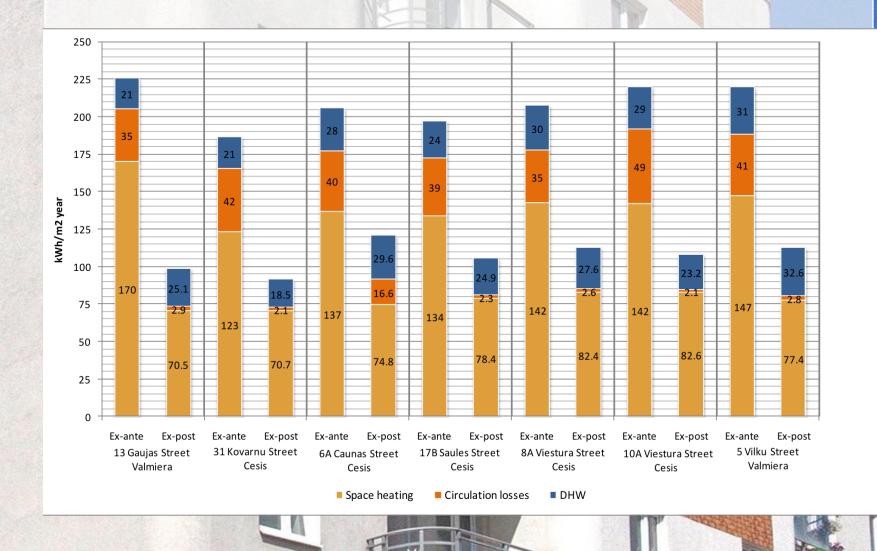


Over 30 years?





HOW DO 15 BUILDINGS DO OVER THE LAST 6 YEARS?





Owners are right: they need guarantees

Safety
Health
Affordability
Comfort

Guidelines
Guidelines
Guidelines
Cuidelines

Guidelines



AND WHAT WOULD HAPPEN ON A MACRO BASIS?

From the "Renesco LAB" we know:

Passive solutions only at buildings 50% savings at building level – findings >60%

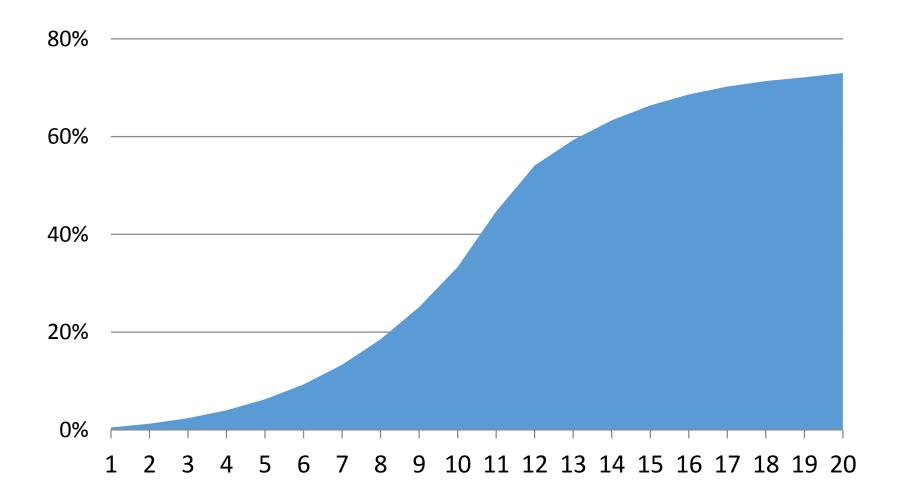
Assumptions:

Soviet Era buildings renovations industrialised Decreases in costs due to:

repetition and industrialisation grouped purchasing decreased transaction costs lower financial costs

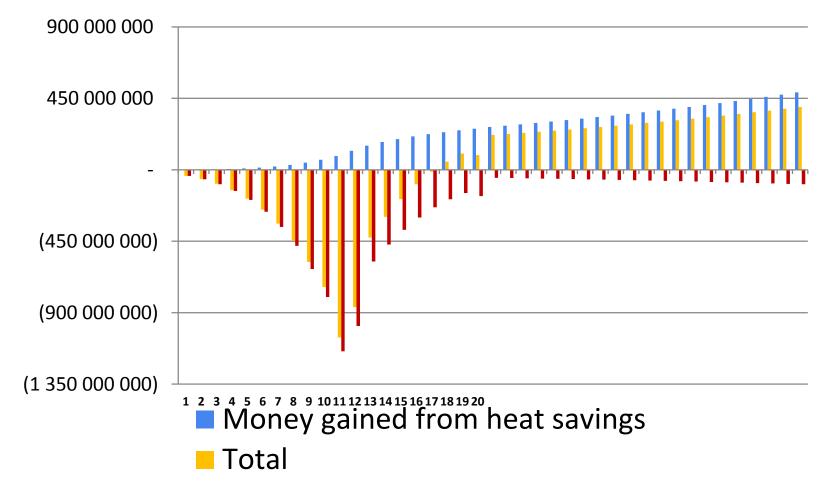


What if we did this for 70% of the buildings?





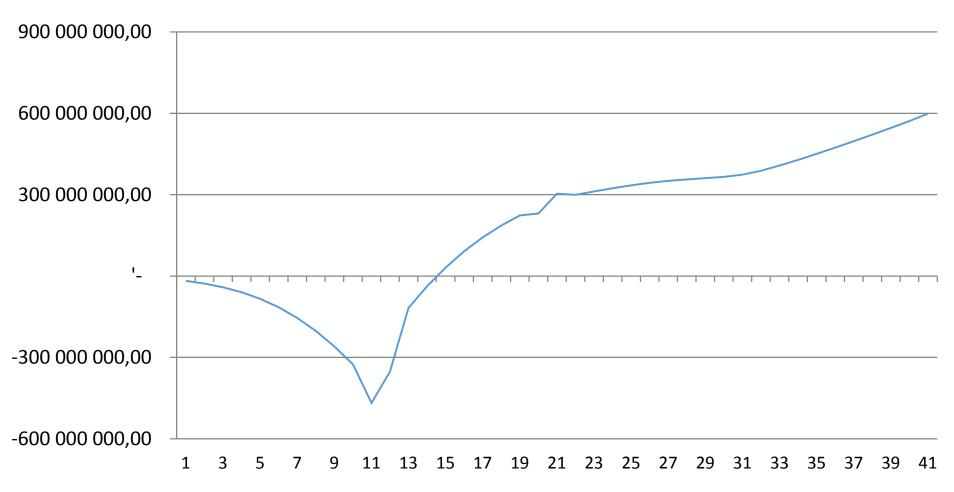
In the FUTURE (EURO)



5/4/2016

IMPACT ON THE BALANCE OF PAYMENTS

(EURO)



WORKING TOGETHER – THE CASCADE OF STAKEHOLDER BENEFITS

Citizens and stakeholders:

- Solving the housing crisis: 4 guarantees for 15-20 years: heat costs reduction, healthy microclimate, quality and comfort
- Building lifetime extended by 30-50 years
- Property values rise
- Lower liabilitiess

Project promoters / builders:

- continuous work flow for the next 20 years
- Skilled Workforce
- Knowledge and models for export



WORKING TOGETHER – THE CASCADE OF LOCAL AND STATE BENEFITS

Municipalities:

- Well-organized, attractive and safe urban environment
- jobs = > return people who have moved
- additional taxes

Country:

- Pensions funds stay at home
- people who have moved return
- energy security
- economic development
- knowledge and models for export
- Reduction of CO2 emissions





The role of Forfaiting is to:

- attract and provide long term finance
- offer Guidelines for LT finance
- standardise documentation
- be transparent

LABEEF will:

- decrease risk and transaction costs
- increase quality through increased capacity
- speed up processing

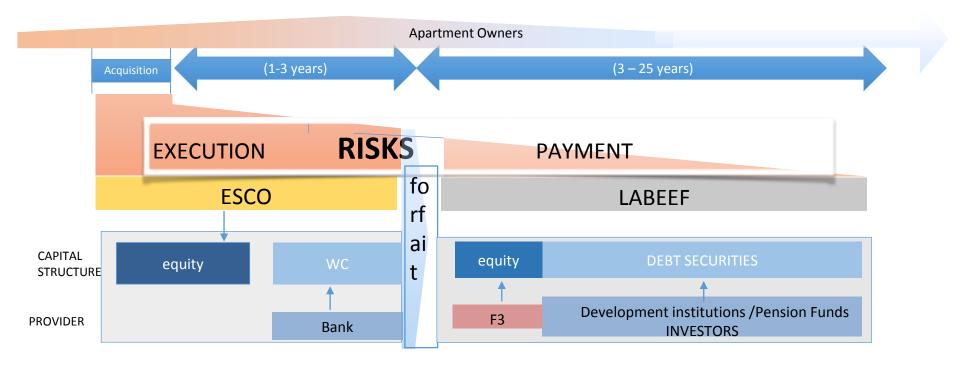


The LABEEF business models ensures that the interest of the investor are the same as the owner's:

- → 1-Aligns the interest of all stakeholders on those of the final beneficiary: the owner
- + 2-Separates execution risks from payments risk
- + 3-Assigns fair returns for the risk taken by each stakeholder



ASSIGNING RISK AND REWARD







GOALS OF LABEEF -

- Over 20 years: Finance renovation of 20% of MFB
 - + Achieve energy consumption ≤90 kWh/m2 per building;
 - + Ensure safe, healthy, affordable and comfortable homes for next 30–50 years;
- 2018: Deliver sharex.lv for benchmarking projects
- 2022 Prepare to be subsidy free;
- 2022: Credit rating: Moody's, S&P, Fitch
- 2025 Attract 100% private funding







For more information visit SUNShINE at





