

# Implementation of a Building Energy Performance Certification Scheme in Estonia

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Energy Department



# The starting point

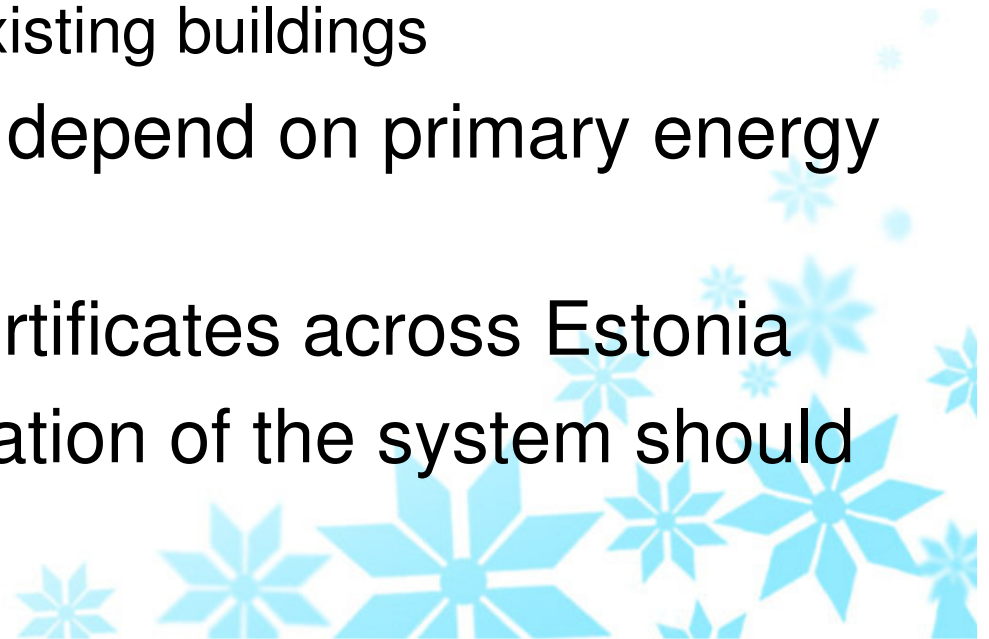
In 2004,

- No minimum energy performance requirements in legislation
- A few sample audits
- Some training for energy auditors
- Many relatively new requirements in the building market



# Criteria for the certification system

- Affordability of the service
  - Separate definitions for the energy audits and energy certificates
  - Availability of the service across whole country
  - Operational rating for existing buildings
- Energy classes should depend on primary energy demand
- Comparability of the certificates across Estonia
- Costs for the administration of the system should be reasonable



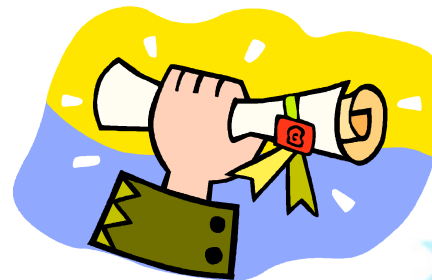
# Requirements for the companies and experts

- New types of companies in the building market were added in the Building Act:
  - companies issuing energy performance certificates
  - companies doing energy audits
- New approach to qualification of experts:
  - to prove the qualification, a professional certificate from an awarder of profession is required
  - each company should have at least one qualified expert (specialist in charge)



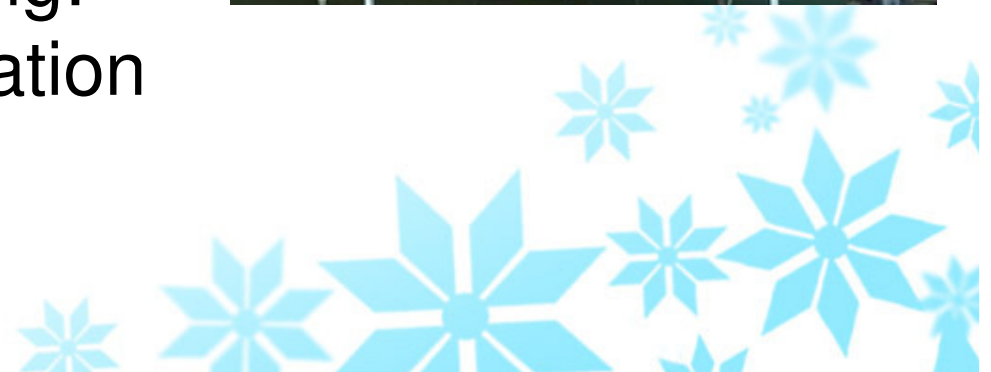
# Results of the qualification

- As of April 2011:
  - 71 qualified energy auditors
  - 105 qualified building energy certifiers
  - 160 companies issuing building energy performance certificates
  - 90 building energy auditing companies



# Influence of the building energy certification

- Residential building stock: 2/3 of people live in apartment buildings
- Economic downturn decreased property market turnover 75%
- Certification and auditing: tools to promote renovation
- Special attention to apartment buildings



# Number of the certificates and audits (January 2011)

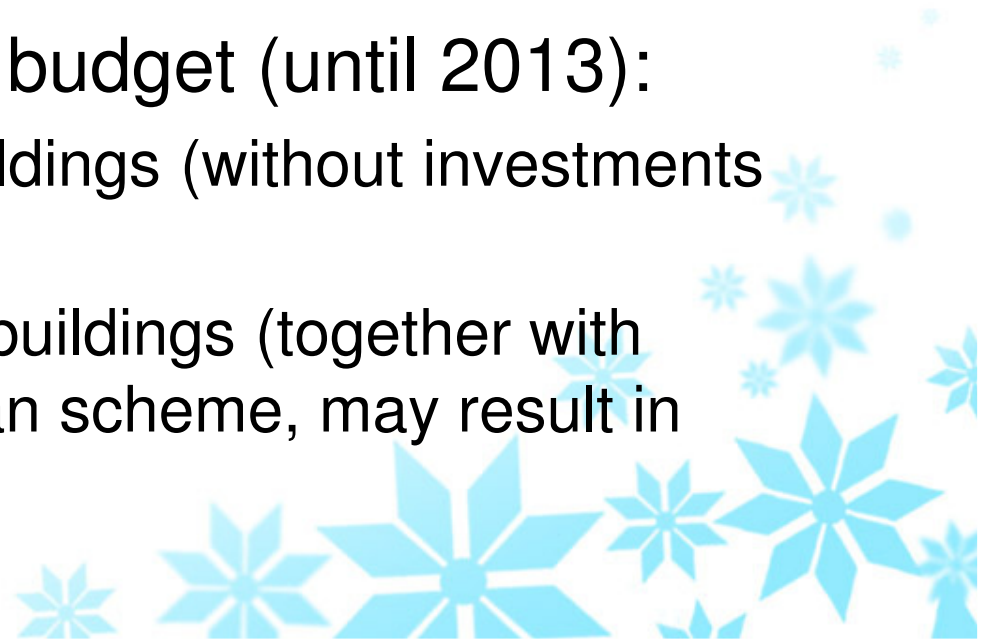
- Existing buildings:
  - 3922 certificates in total
  - 3314 for apartment buildings
  - 1114 audits of apartment buildings
- New buildings:
  - 822 certificates in total

ENERGIAMÄRGIS		
Hoone kategooria: MITTEELAMUD		Ehitusaasta: 1967
Hoone kasutamise otstarve: 12203	Administratiivhoone	
Soojusvarustus: Kaugküte		
Energiaallikas: Soe vesi		Ehitisregistri kood: 101043896; 101033136
Tellija: Majandus- ja Kommunikatsiooniministeerium		Kõetav pind, m <sup>2</sup> : 4097
Adress: Harju tn 11, Tallinn		
Energiamärgis on koostatud:		
Energiamärgis on väljastatud 2006- 2008. a. energiatarbimise andmete põhjal		
Kaalutud energiaerikasus (KEK)	Vähe kulutav	Klass:
KEK ≤ 90	A	
91 ≤ KEK ≤ 110	B	
111 ≤ KEK ≤ 140	C	
141 ≤ KEK ≤ 180	D	
181 ≤ KEK ≤ 230	E	
231 ≤ KEK ≤ 290	F	F
291 ≤ KEK ≤ 370	G	
KEK ≥ 371	H	
	Palju kulutav	
Kaalutud energiaerikasus *, kWh/(m <sup>2</sup> ·a):		284
Väljastamise kuupäev: 29.05.2009	Kehtib kuni: 28.05.2019	
Märgise väljastaja:		
Ettevõtte või FIE: ÄF-Estivo AS	Reg nr: 10449422	
Vastutav spetsialist: Eimar Jõgisu	Allkiri:	

\* arvutatud energiamuundamisseedmetesse sisse antava energiakoguse ja kaalumisteguri järgi

# The building market and funding in Estonia

- Annual turnover of the building market (buildings only) in 2010: **740 mio €**
- A building energy audit is precondition for a renovation grant from public funds
- Funding from the state budget (until 2013):
  - **150 mio €** for public buildings (without investments from structural funds)
  - 30 mio € for apartment buildings (together with targeted low-interest loan scheme, may result in investments **150 mio €**)





# Thank you!

