EPBD Implementation in the Walloon Region

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Content of presentation:

• Overall context of EPBD in Belgium and Walloon Region
• Principle for sanctioning
• EPBD Database
• Innovation
• Further development of methods
• Quality of the works
In Belgium, the 3 regions are each responsible for implementing EPB and RES directives.
But there is a cooperation between the 3 administrations for common developments.

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<th>New buildings</th>
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<th>Non residential</th>
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<td>Calculation method</td>
<td>Common development</td>
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<td>Calculation tool</td>
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O UR PHILOSOPHY : DOUBLE APPROACHE

1) Legal approach : Legal imposition of EPBD
   ➔ "System of independent control" (Art. 18)
   ➔ Random check of a statistically significant percentage of certificates

2) Educational approach :
   ➔ Give credibility to legislation
   ➔ Highlight best practice (both in terms of technique and cost)
   ➔ Strengthen application of rules
   ➔ and create the jurisprudence which will allow the evolution of the legal principles and their application
Control and sanctioning

Control in three times

- At building permit time
- After construction
- During and after construction

Principle for sanctioning

Backoffice control of IS by competent authorities regarding building permit

FS (final EPB statement) = description of the measures that were implemented which demonstrates that the project meet EPB requirements

IS (initial EPB statement) = description of the measures to be implemented which demonstrates that the project can meet EPB requirements
Principle for sanctioning

**Typologies of the penalties**

1) Financial sanctions: after a formal procedure (report on mistakes, hearing, ...), determination of the amount based on
   - the difference between assessment and compulsory requirements for technical aspects
   - Volume of construction for administrative aspects

2) Penalties connected to experts accreditation
   - Obligation to follow a new training
   - Suspension or loss of accreditation
SOME RESULTS (2014)

1) At the building permit time: 262 municipalities controlled +/- 45% of 30,000 files → this indicator relate to quantity and not necessarily with quality of controls

2) After construction: 3,500 FS/EPC files were checked among which 58% were validated and 42% refused → corrections were asked but no sanction applied

3) During construction: 300 constructions were examined in which 40 were sanctioned and 33 constructions leaded to a total fine of +/- 60,000 €
For EPBD in Belgium, each encoded data must be justified or measured; otherwise unfavorable defaults values are imposed.

This evidence may include:

- EPBD database [www.epbd.be](http://www.epbd.be) (only for ventilation, thermal insulation and sunscreens)
- Label or data sheets (ATG, CE, Ecodesign,...)
- Measurement report (airtightness, ventilation flowrate)
• EPBD Database is a facility for professionals (choice of products) and for administrations (verification of data under the control procedures)

• For user-friendly aspects: EPBD Database is integrated in the regulation software tool

• Validation rules: no justification are required if data come from EPBD Database
Innovative systems = materials, technology, design,... that are not taken into account in the calculation method

Recognition procedure:
- “Energy” Technical validation (ATG-E)
- Official recognition (for each region)

Once the concept is integrated in the method, it loses its innovative nature and will not follow this procedure anymore
• Collaboration between 3 Administrations for development of the calculation methods

• Technical studies are made by a consortium of experts (universities and engineering offices)

• For the majority of studies, building sector is consulted

→ Annual evolution of regulation
Further development of methods

• General consultation of the sector organized once a year:
  • Presentation of completed issues and conclusions
  • Presentation of issues still to deal
  • Participants vote according to their priorities
  • Definition of priorities issues by the 3 Administrations (based on the results of voting)
Quality of the works

EPBD and RESD regulation is continuously improved in view to be more effective

PRODUCTS

SIZE CALCULATION

INSTALLATION

USAGE

(monitoring & maintenance)

QUALITY CHECKS

IMPROVING OF KNOWLEDGES

PROMOTION OF INVESTMENTS IN THE QUALITY APPROACH

May 2016
Quality of the works

Qualified experts
- Required qualifications
- Training and exams

Accredited training center

Software with validation rules for input data and central database

Product data: EPB Database

Support for QEs (e-mail and Phone)
→ Also provides tools for QEs: newsletter, FAQ, workshops,…

Installation: air tightness, ventilation flowrate valuation

Control and sanctions: legal and educational approach
Quality of the works

Qualified experts
- Required qualifications
- Training and exams

Accredited training center

Training on:
- PV
- Thermal solar panels
- Heat Pumps
- Biomass boilers

Link between incentives given by the Government and recourse to accredited experts

In RESD

QUALICHECK

QUALITY CHECKS

PRODUCTS

SIZE CALCULATION

INSTALLATION

USAGE (monitoring & maintenance)

PROMOTION OF INVESTMENTS IN THE QUALITY APPROACH

IMPROVING OF KNOWLEDGES

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Thank you for your attention!

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