

The Importance of Labelling and Certification Schemes

Webinar #3: How to save energy using renovation policy measures
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A Presentation by

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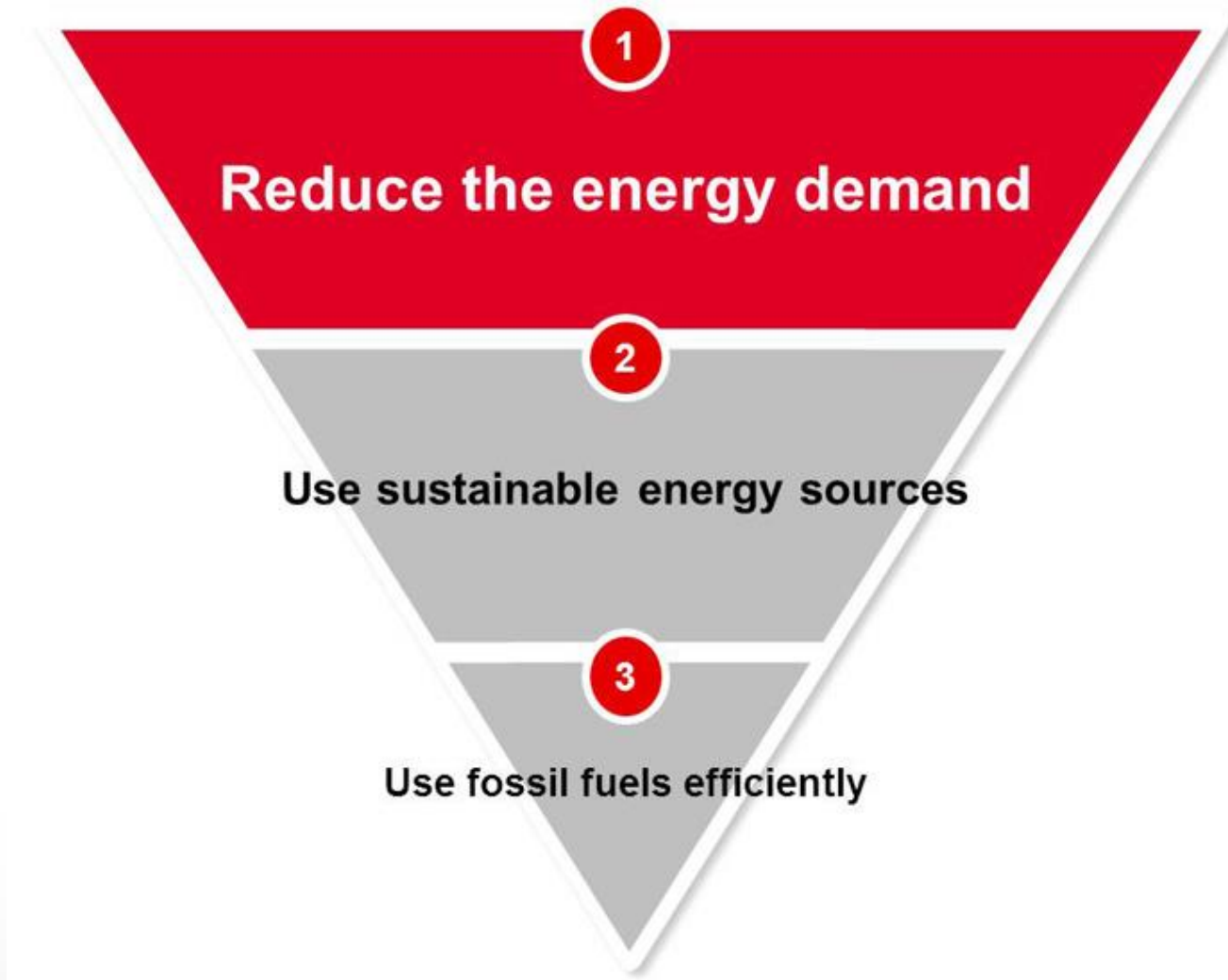
What is EuroACE?

- Europe's **leading companies** involved with the manufacture, distribution and installation of energy efficiency equipment and services in buildings



- **Objective:** To promote **energy efficiency in buildings** on the EU political agenda, raise awareness, provide research data and communicate on available solutions and policies

Trias Energetica – The Guiding Principle



EU Buildings Sector

Scale of the Challenge

210 Million Buildings; 90% Still Used in 2050

In the EU New Buildings are not the Real Challenge

Impact on Energy Use

40% of EU Primary Energy Use (compared to global figure of 30%)

36% of Energy-Related CO₂ Emissions

Technologies Exist Today

Reduction of 80% in Energy Use is Possible With Current Technologies and Processes Available in the EU Market

Trust and Confidence

Asymmetric Information; Evolving Standards; Progressive Integrated Approaches

Trust and Confidence -1

Labelling

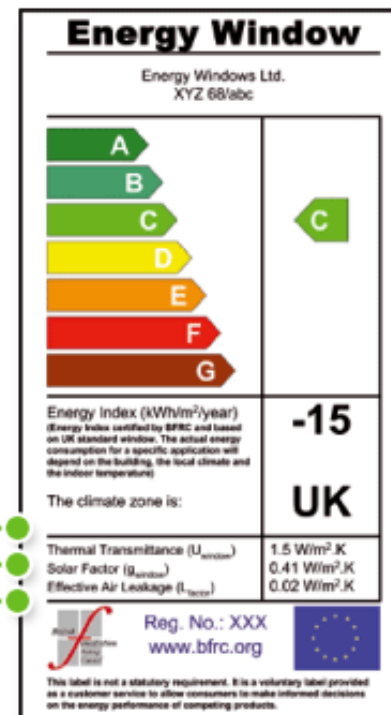
Energy Using Products; Energy Related Products
Good for Purchasing and Specification Decisions



Thermal Transmittance
Rate of transfer of heat from one side of the window to the other. The lower, the better.

Solar Factor
Amount of heat gain from sunlight that passes through the glass. Most important factor, the lower, the better.

Effective Air Leakage
Lower number mean less air leakage, the lower, the better. Contributes least to the rating.



Rating Level
Recognisable traffic light system allows windows to be easily compared. The lower in the alphabet, the better.

Energy Index
Amount of energy the window will save (positive figure), or lose (negative figure).

Trust and Confidence - 2

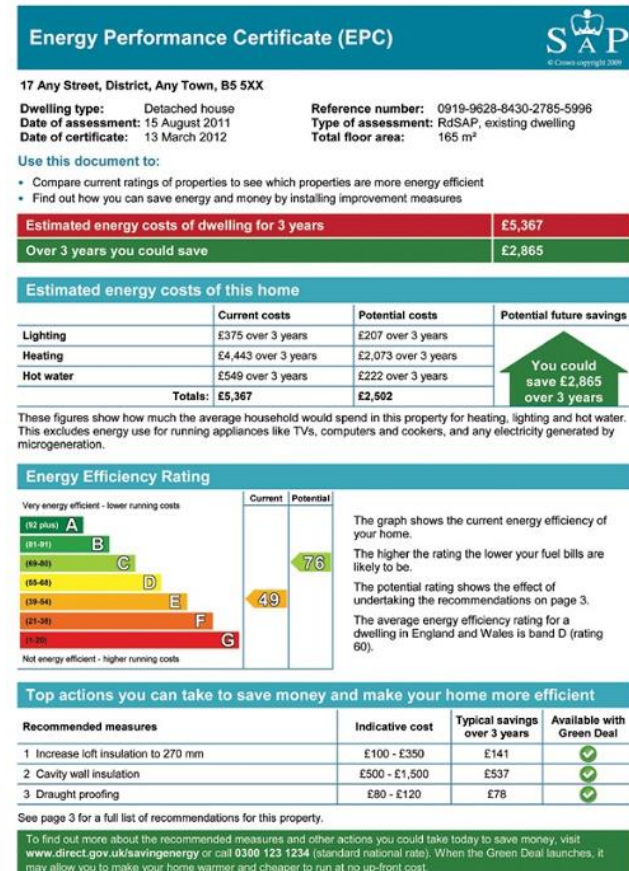
Certification

Provides Independent Verification
 Good for Dissemination Information
 Breaks Down Asymmetries

Impact on Value of Properties

Increasing Market Acceptance

Increasing Link to Policy (example: UK)



Essential Features for Success

Legislation Should

Require Labelling and Certification
Be Clear and Readily Enforceable

Format and Content Should

Be Informative; Trustworthy and Easy to Understand

Implementation Should

Be Supported by a Robust System Including:

- Accredited, Independent Testing Facilities
- Accredited, Qualified Professionals
- Open Register of Labels and Certificates
- System of Penalties for Non-Compliance
- Appeals System

Case Studies...

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