



RENOVATE EUROPE

A campaign to triple deep renovation rates for buildings



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
- We believe that improving the energy efficiency of buildings is the most cost-effective (indeed zero/negative cost) method of:
 - ✓ Meeting carbon reduction targets
 - ✓ Achieving energy security
 - ✓ Creating employment and securing economic recovery

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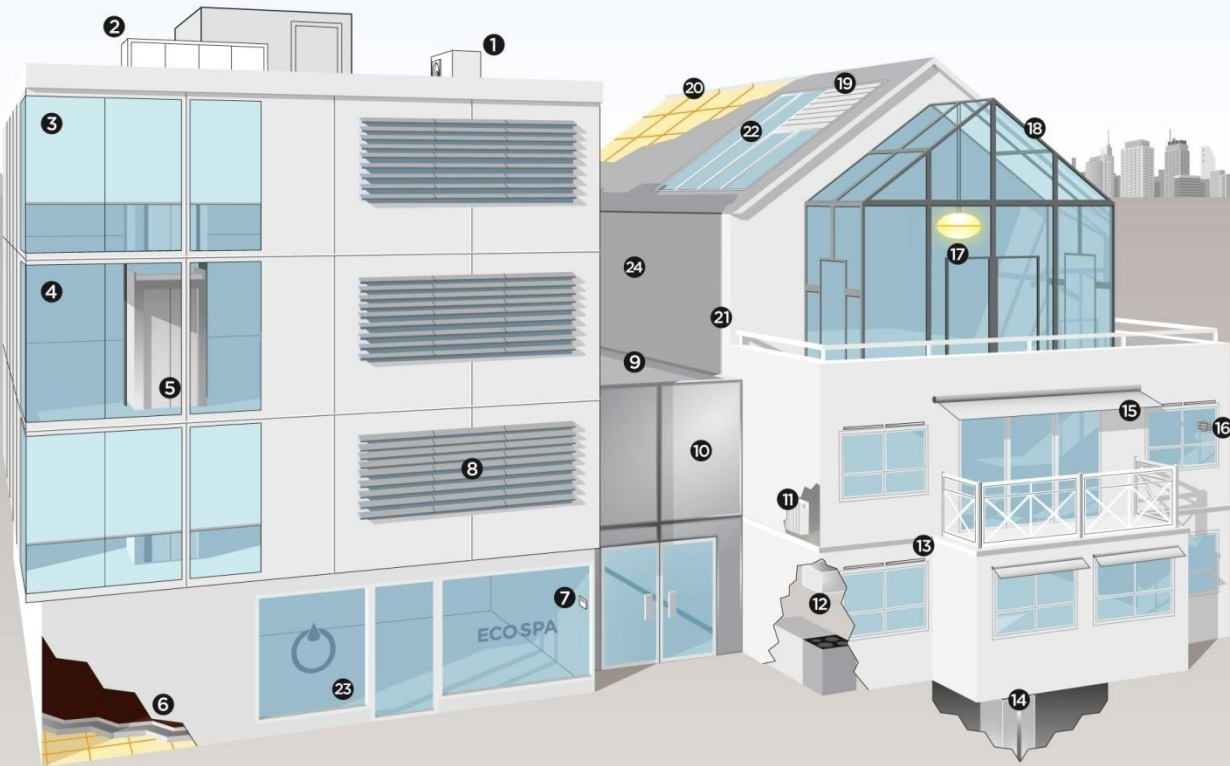
Who are its Members?

- Aereco
- Armacell International
- PU Europe
- Danfoss A/S
- Honeywell Europe
- Johnson Controls
- Kingspan Insulated Panels
- Knauf Insulation
- Paroc
- Philips Lighting
- Pilkington Group
- Rockwool International A/S
- Saint-Gobain Isover
- Solutia Inc.
- Somfy
- United Technologies
- URSA Insulation
- VELUX Group

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Cross-Sector Representation



1. Air Cooled Chiller
2. Heat Pump
3. Automated Roller Blind
4. Glazing
5. Regenerative Drive Elevator
6. Floor Insulation
7. Heating Controls: Room Thermostat
8. Automated Exterior Venetian Blind
9. Insulation
10. Insulated Wall System
11. Heating Controls: Radiator Thermostat
12. Heat Recovery Ventilation
13. Humidity Sensitive Air Inlets
14. Heat Pump
15. Automated Roller Blind
16. Humidity Controlled Extract Unit
17. Lighting
18. Sunspace
19. Automated Awning
20. Insulation
21. Sealants
22. Roof Window
23. Solar-control/ Low E-window Film
24. Air Tightness Membrane

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Campaign Goal

- The Renovate Europe campaign is initiated by EuroACE, – with a focus on EU, national, regional and local policy levels
- Transform the EU building stock:
 - ✓ Triple the renovation rate for existing buildings by 2020
 - ✓ Improve the energy performance of existing buildings by on average 80% over existing performance levels
 - ✓ Recommend effective solutions to key barriers – such as finance, training, etc.

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Scale

- Circa 210 million building units in EU stock:
 - ✓ Estimate average annual renovation rate = 1.2%
 - ✓ Average new build rate = 1.0%
 - ✓ Average demolition rate ~ 0.1%
 - ✓ Current energy savings in renovation ~ 10-30%
- With these estimate averages, it would take until nearly the end of the century to renovate Europe – and not even go deep!

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Context

- Buildings 40% primary energy use
- Energy efficiency
 - creates jobs
 - combats climate change
 - enhances security of supply
- Energy Performance of Buildings Directive:
 - ✓ Nearly zero energy buildings – all new build 2021
 - ✓ All major renovation - minimum energy performance requirements
 - ✓ Minimum energy performance levels for technical building systems and building components



Action plan

1. Research study (BPIE analysis) in late 2011 to:
 - ✓ Provide a clear overview of EU building stock (energy use, typology, regulations, etc.)
 - ✓ Quantify the potential financial and energy savings benefits of increased retrofits
 - ✓ Identify and propose solutions to gaps and barriers to delivery mechanisms
2. An ambitious roadmap on how to triple the renovation rate in Europe by 2020 and achieve an average improvement in energy performance of ~ 80%

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