MARKETS FOR ENERGY EFFICIENCY
Best practice examples
THREE KEY MESSAGES OF TODAY'S PRESENTATION

Energy Efficiency and EPBD legislative frameworks deliver **positive results** but **there is room for improvements**.

Holistic approach incorporating **huge potential of healthy/comfortable buildings** would add significant value to EU citizen’s well-being, health and performance.

VELUX 75 years of experience prove this **can be done in a sustainable, affordable and replicable manner**.

Overall five home characteristics that make for a healthy home

- Satisfactory Daylight levels
- Good sleeping conditions
- Comfortable temperatures
- Fresh air
- Appropriate humidity levels
BUILDINGS IS THE SECTOR WITH THE BIGGEST SAVING POTENTIAL

Buildings account for 40% of total energy use in Europe. One important reason is that 75% of the European building stock today is not energy efficient. Energy renovation can cut the energy use by 80%*

Renovation programs also benefit public finances: Ambitious renovation investments can bring a return of up to €39 billion in 2020 and double that by 2030 to public finances if investments are maintained*.

Furthermore, a good indoor climate contributes to Europeans’ wellbeing, health, learning abilities and productivity.

*www.renovate-europe.eu
A damp and unhealthy home nearly doubles the risk of asthma.

80 MILLION OR 15% OF THE EUROPEANS LIVE IN DAMP AND MOULDY HOMES
BUILDINGS IMPACT PRODUCTIVITY & LEARNING ABILITIES

15 % productivity at work can rise if the indoor climate is healthy (Seppanen, 2009)

15 % increased learning in schools due to better daylight or air quality (Inserm, 2016 & Fraunhofer, 2016)

€bn 40 is the indirect cost of asthma due to loss of productivity in Europe (Fraunhofer, 2016)
MARKET TRENDS
– ENERGY SAVINGS & COMFORT DRIVE RENOVATION

- Continued focus on energy efficiency
- New trend focusing on indoor climate, health and comfort
- Consumer is king – energy savings & comfort go hand in hand in driving renovation

50 %
of the European have made changes to their home within the last five years

75 %
Wish to reduce energy costs

73 %
Wish to improve overall wellbeing
NEW BUSINESS MODELS FOR RENOVATION

SPAR PENGE OG FÅ EN SUND BOLIG

Danfoss, Grundfos, ROCKWOOL, og VELUX GROUP har tillsammen 300 års erfaring med energiøkning og -økning, og en lang tradition for at give det mest for danske boligejere at skabe energibesparende hjem med godt indklima. Det kalder vi BetterHome.

TAG ET GRATIS ENERGIJÆK
Se, hvor meget du kan spare.
Hvad afspairings om dit energiforbrug klar til senere.

INDTAST DIN POSTADRESSE TJEK ENERGIJÆK

INSPRIATION FRA BETTERHOME
- Se aktuelle projekter

SÅDAN FÅR DU ET GRATIS TJEK AF DIT ENERGIJÆK
Det er nemt og helt uforpligtende at finde ud af, om du har mulighed for at spare på energiregningen.

SÅDAN SPARER DU PÅ VARMEREGENINGEN
Hvis du er god til at styre dine radiatorer, kan der være mange penge at spare på din varmeregning.

FÅ TILSKUD TIL DIN ENERGIERENOVERING
Allerede inden du går i gang med at energirenovere, er der penge at hente fra dit energiselskab. Læs her, hvad du kan få tilskud til og hvordan du gør.
A DECADE OF FULL-SCALE EXPERIMENTS
EU EXAMPLE: RENOVACTIVE

VELUX has joined forces with local social housing authorities in Anderlecht (BE) developed and implemented a seven stage healthy, affordable and replicable renovation model – RenovActive.
WHAT CAN THE EU IMPROVE?

1. BUILDINGS ARE ‘PEOPLE CONTAINERS’ – NOT ‘HEAT CONTAINERS’

2. Include passive solar gains (energy balance) in energy performance requirements for buildings and products.

3. ‘IF YOU WANT TO CREATE REAL CHANGE WITH PEOPLE – COME UP WITH AN ATTRACTIVE ALTERNATIVE’
   Focus on the indoor climate (thermal comfort, fresh air, day light)