

# WHY IS ENERGY RENOVATION THE LONG-TERM SOLUTION TO IMPROVED HEALTH?

## Buildings impact our health and wellbeing



### Energy Poverty & Cold Homes

10.8% of the population are unable to keep their homes warm. Countries with poorest housing status demonstrate highest excess winter mortality – in both warm and cold climates.



### Damp Buildings

Over 80 million people live in damp homes, causing respiratory illnesses.



### Air Pollution

Leaky buildings with high energy demand and old inefficient boilers are a huge contributor to air pollution and smog in our cities.

## Our cherished ones are the most vulnerable



### Children

Indoor mould exposure is responsible for 12% of new childhood asthma.



### Elderly

75% of the housing stock is not age-friendly. Tomorrow's ageing population needs renovated, warm, accessible buildings.

## Renovated buildings will improve our life



### At home

A more comfortable living environment providing thermal, visual and acoustic comfort leads to better health and improved quality of life.



### At work

An energy efficient office with a healthy indoor climate can lead to 15% increased productivity and reduced absenteeism and sick days among its employees.



### At school

Children's learning abilities and emotional wellbeing can rise by up to 15% with good indoor climate.

Potential savings in our healthcare system  
from energy renovation

  
**€42-88 BILLION  
PER YEAR\***

\*Comparatively, the EU wastes €400 billion on energy imports per year.

## In 2050 we should aim at a highly energy efficient, healthy and comfortable building stock

90% of the buildings we will be using in 2050 are already built, and 75% is from a time with no or very weak energy performance requirements. We have to bring our buildings up to date and upscale the rate at which buildings are being renovated in order to provide **healthy and comfortable living conditions** for all while at the same time reducing energy demand.

Energy renovation is the best and **long-term sustainable solution** to alleviate energy poverty, to deliver warmer homes for our families, healthier schools for our children and reduced energy bills for our hospitals and businesses, in which we spend 90% of our time.

In 2017 the two major EU buildings-related directives, the EPBD and the EED, are being revised offering the opportunity to enshrine a long-term vision of a highly energy efficient building stock (known as **Nearly Zero Energy Building NZEB**) by 2050 benefitting all EU citizens.

**#NZEB2050**