



ENERGY EFFICIENCY OF BUILDINGS

- Building sector is one of the largest energy consumers in Europe and is responsible for more than one third of the EU's emissions.
- Only 1% of buildings undergo energy efficient renovation every year.
- Currently, roughly 75% of the building stock is energy inefficient, yet almost 85-95% of today's buildings will still be in use in 2050.
- Commission published in 2020 a new strategy to boost renovation called "A Renovation Wave for Europe - Greening our buildings, creating jobs, improving lives".
 - With nearly 34 million Europeans unable to afford keeping their home adequately heated, renovation is also an important response to energy poverty.
- In 2021 the Commission launched the initiative on the New European Bauhaus which is both a network and a contact point at the crossroads between culture, social inclusion, science and technology.
 - The New European Bauhaus unfolds in 3 phases:



Energy efficiency measures in the buildings include:

- Energy audits and energy certification
- Enhancing building insulation
- Enhancing efficiency of heating and cooling system
- Enhancing efficiency of lighting system and appliances
- Using renewable energy sources

- Living in an energy efficient building can lower your heating bills by more than 50%.

For every €1 million invested in energy renovation of buildings, an average of 18 jobs are created in the EU.

Energy efficiency has direct and indirect benefits to health:

- Better mental health
- Decrease respiratory disease
- Decrease cardiovascular disease
- Reduce chronic disease
- Less temperature related illnesses and deaths