

# The multiple benefits of energy efficiency



Investing in energy efficiency is investing in a sustainable and beneficial response to the energy crisis

Energy efficiency is about the measures taken to reduce our energy consumption on a daily basis, such as thermal insulation in buildings or more efficient appliances or lighting systems.

1.

Nowadays, European households consume too much natural gas due to inefficient building insulation



**75 to 90%** of European real estate is considered inefficient



**78%**

of residential energy comes from sanitary hot water and space heating



**42%**

of residential buildings are heated by natural gas

2.

Household energy consumption in the EU (2020)

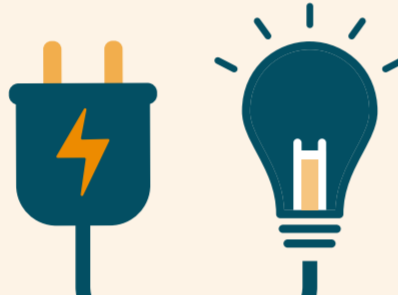


Space heating **62.8%**



Sanitary hot water heating **15.1%**

Lighting and electrical devices **14.5%**



Space cooling **0.4%**

Cooking **6.1%**



Other **1.0%**

Source: Eurostat, 2022

3.

The many benefits of energy efficiency\*

\*This is a non exhaustive list that illustrates some of the main benefits of energy efficiency to date.

Source: IEA 2015

Better energy efficiency

Increase in asset value

Energy saving

Decrease in greenhouse gas emissions

Better energy security

Lower energy prices

Creation of economic activity

Increase in industrial productivity

Reduction of energy poverty

Better health and well-being

Job creation

Better air quality

Decrease in natural resource consumption

Improvement of public finances

Increased disposable income for households



## Reduce our impact on the climate

According to the 2022 IPCC report, energy efficiency in the industrial, ground transportation, and building sectors is the best way to reduce greenhouse gas emissions.

## Reduce our energy dependence

If France and Spain had met their 2020 renovation targets, the savings would have corresponded to their Russian natural gas imports in 2019 (20% and 9% of their total natural gas imports, respectively).

Source: IDDRI, 2022; ESADE, 2022; Enagás, 2021.



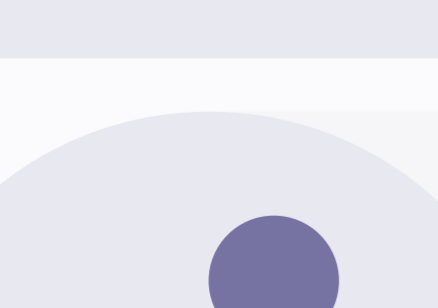
## Reduce energy poverty

Efficient building renovation could reduce energy bills and energy consumption of a building by at least 60%.

## Improve health and well-being

Inefficient and deficient buildings cause over 100,000 premature deaths per year and more than 194 billion euros for public health systems.

Source: Housing Europe 2021



## Create jobs

It is estimated that between 17 and 19 jobs are created per million euros invested in energy efficiency.

Source: CCR 2020

## Strengthen public finances

Renovating buildings could improve public health, reduce energy costs and increase employment impact, which could represent 30 to 40 billion euros per year for the public finances of EU countries.

Source: JCR 2020

