Hybrid Heating EUROPE

2050
net zero emissions in Europe

The building sector is responsible for more than **⅓** of the EU's emissions.

Energy renovations only reduce building energy consumption by **1%** per year. Effective action is crucial to meet the EU targets of **60%** emission reduction by 2030 (compared to 2015) and climate neutrality by 2050.

Currently, **¾** of the building stock is energy inefficient, yet around **90%** of today's buildings will still be in use in 2050.

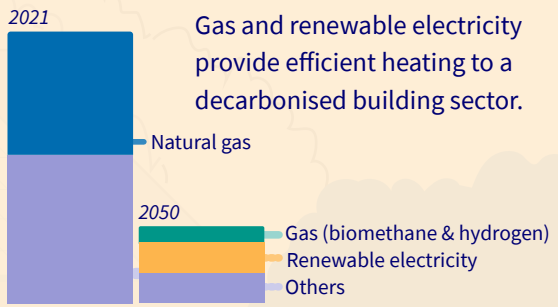
Hybrid Heating offers a solution

Consumer benefits

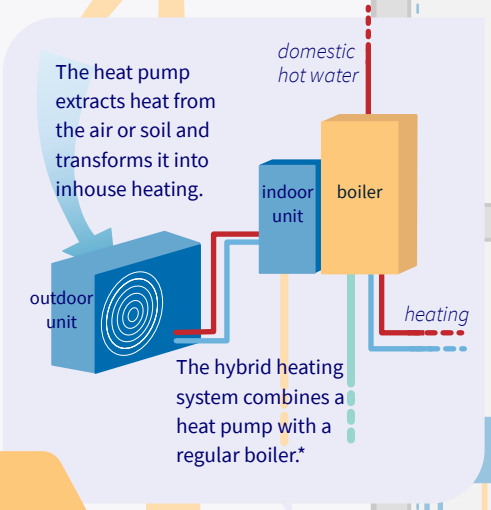
The benefits of hybrid heat pumps over alternative low-carbon solutions:

- **Up to 50% reduction in energy bill.**
- **Easy installation.**
- **No immediate building renovation needed.**

2050 end-vision



Gas and renewable electricity provide efficient heating to a decarbonised building sector.



Climate benefits

Accelerated carbon emission reduction through:

- **Wide applicability, easy installation.**
- **Immediate emission reduction through reduced fossil fuel consumption.**
- **An efficient and smart grid compatible system.**

Energy system benefits

The fuel switching capability of hybrid heat pump supports local energy system integration:

- **Reduces peak power demand.**
- **Increases system resilience.**
- **Reduces system investment cost by making use of existing gas infrastructure.**

** See page 8 of our report for more information on hybrid heating system use cases.*