

GLAZING ENERGY SAVINGS AND CO₂ EMISSION AVOIDANCE POTENTIAL

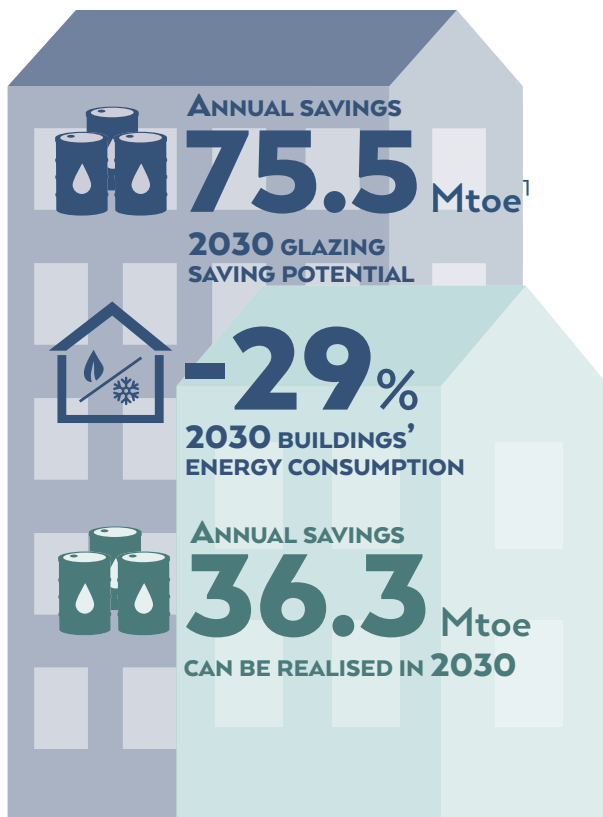
MASSIVE ENERGY SAVING POTENTIAL

If all buildings in Europe were equipped with high-performance glazing windows in 2030, 75.5 Mtoe would be saved annually, which is equivalent to a reduction of energy consumption of 29% in buildings². This means that up to **42% of the EU's 2030 energy efficiency target** could be achieved by installing high-performance glazing.

NEARLY 50% OF THESE SAVINGS CAN BE REALISED IN 10 YEARS.

BY DOUBLING THE WINDOW REPLACEMENT RATE³

BY INSTALLING HIGH ENERGY PERFORMANCE GLAZING



ACT NOW

Acting now is imperative to maximise savings and decarbonise buildings. Windows and glazing offer savings throughout their lifetime. Between 2020 and 2030, **cumulated savings would reach 200 Mtoe.**

TARGET EFFICIENCY

Installing glazing of higher energy performance is necessary to realise savings from both heating and cooling. As glazing performance continues to improve, it is important to choose **glazing offering the best energy balance.**

MIND COOLING

The installation of cooling equipment is expected to boom all across Europe. **Annual energy savings of 28% from cooling** can be achieved in 2050 in the EU when using high-performance solar control glass adequately.

TOWARD CARBON NEUTRAL BUILDINGS

Even with a largely decarbonised energy mix, advanced glazing contribute to avoiding CO₂ emissions. Advanced glazing is key to turning Europe's buildings energy positive by 2050.



-37.4%

CO₂ EMISSIONS FROM BUILDINGS IN 2050

1. One Million tonne of oil equivalent is equal to 11.6 TWh.

2. Results from TNO, *Potential impact of high performance glazing on energy and CO₂ savings in Europe*, 2019.

3. Today's average EU annual window renovation rate is estimated to be 2%. Doubling means 4% annual window renovation rate.