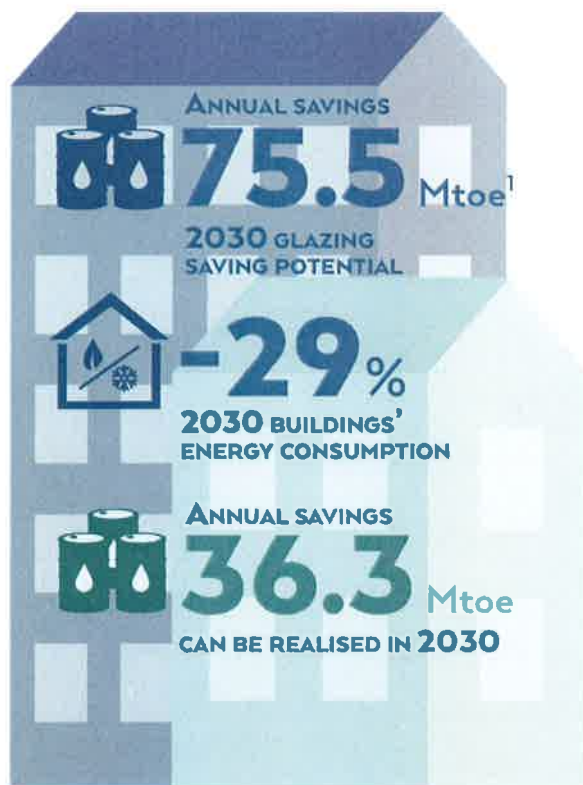


GLAZING ENERGY SAVINGS AND CO₂ EMISSION AVOIDANCE POTENTIAL



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.