### Buildings have a significant environmental impact



#### THERE ARE TWO WAVES OF CHANGE COMING TO ADDRESS THESE EMISSIONS

Sustainability & Circular Economy

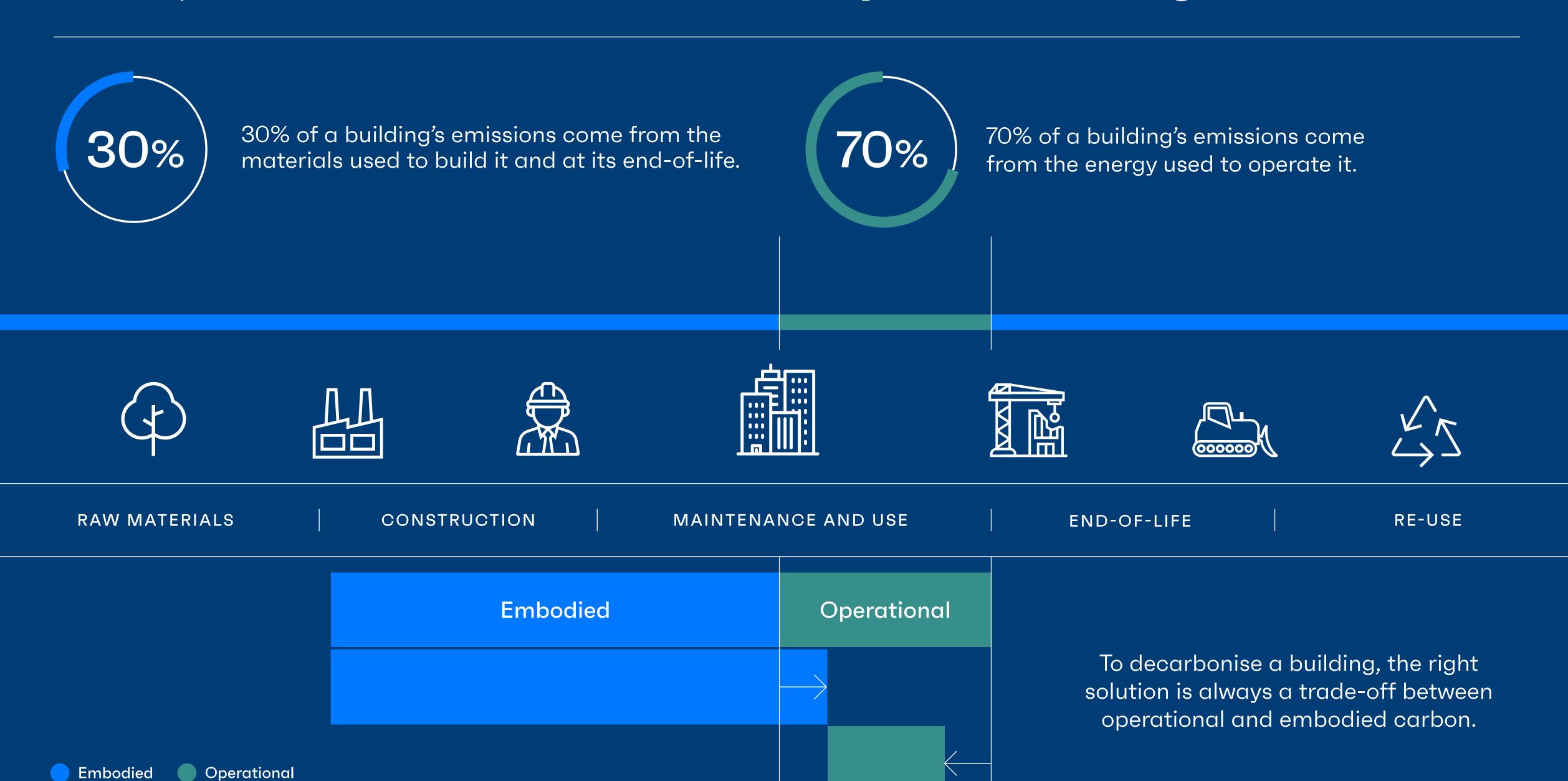
To limit the resources used and the waste created

**Energy Efficiency & Renovation** 

To make all buildings energy efficient by focussing on renovation of existing buildings

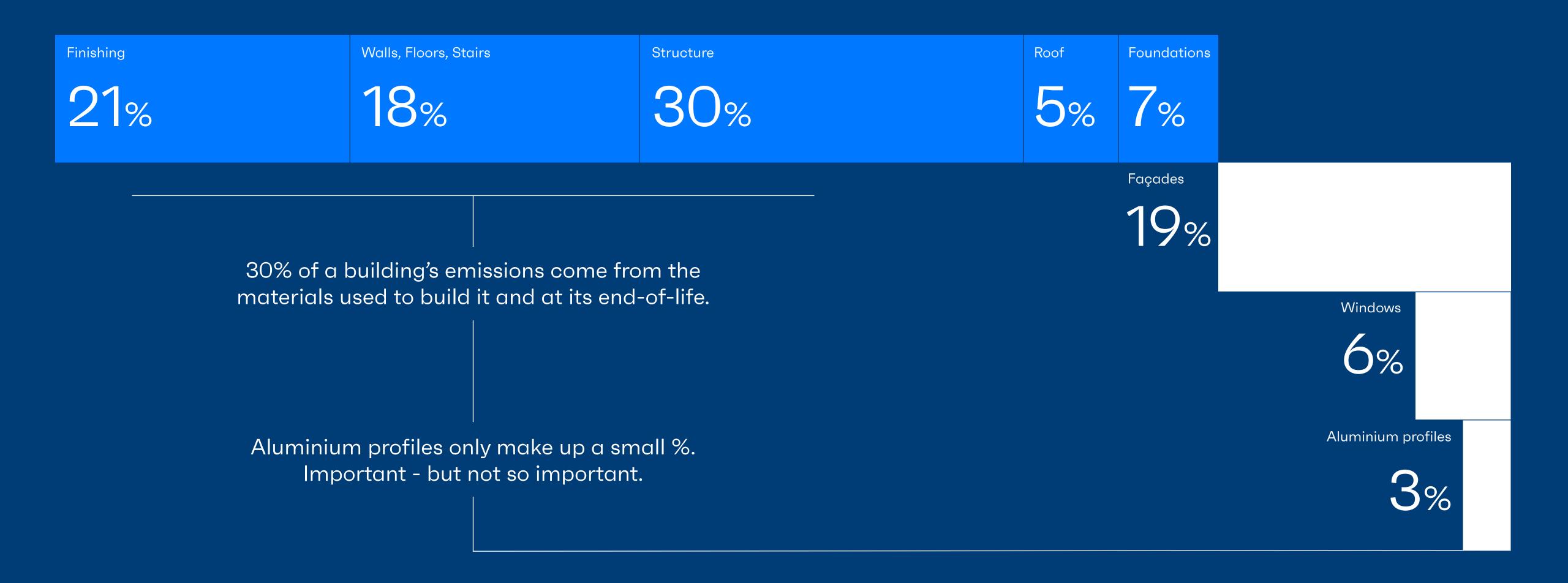
More than 75% of the EU building stock is energy-inefficient

#### It is important to consider the entire lifecycle of a building

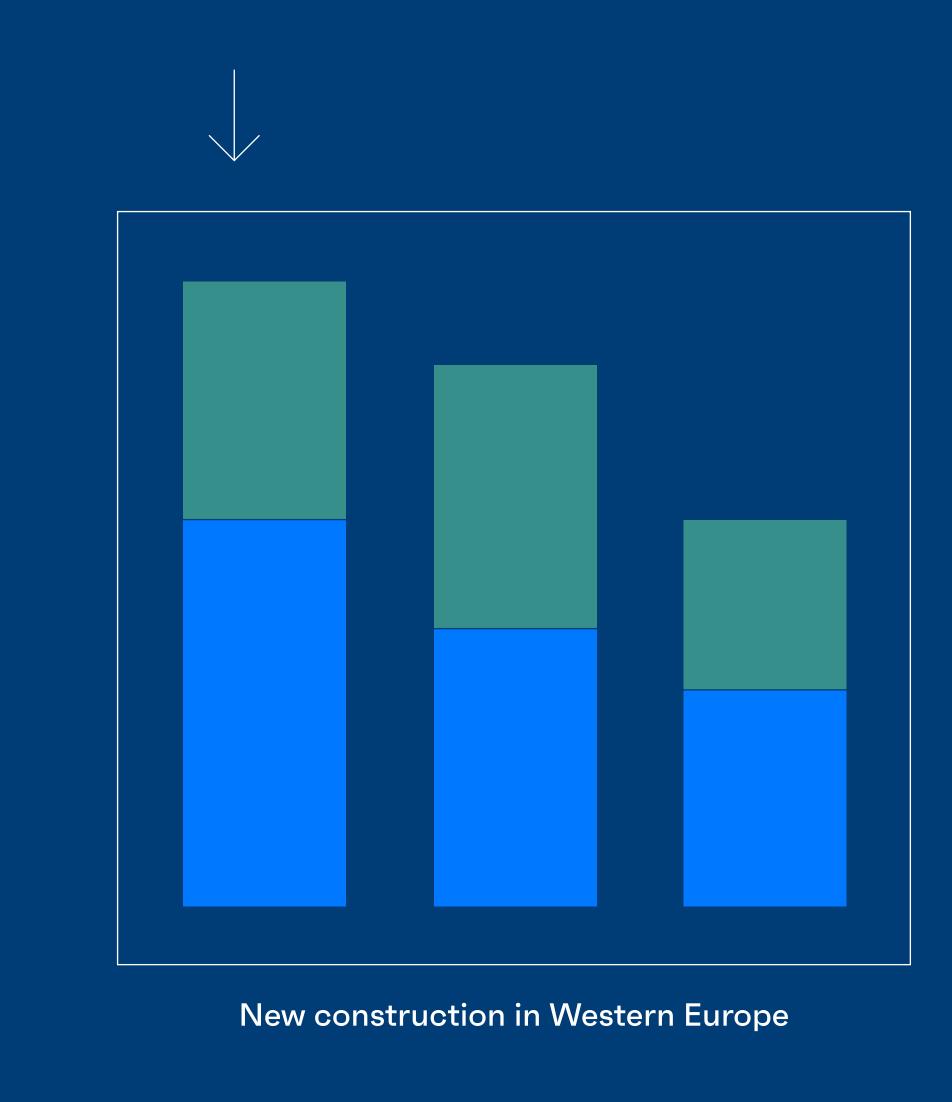


### Reducing embodied carbon in a building's construction

Embodied Operational



## The big immediate win is reducing operational carbon





The biggest lever we can pull is to dramatically improve operational carbon - through better energy efficiency and renovation of older building stock.

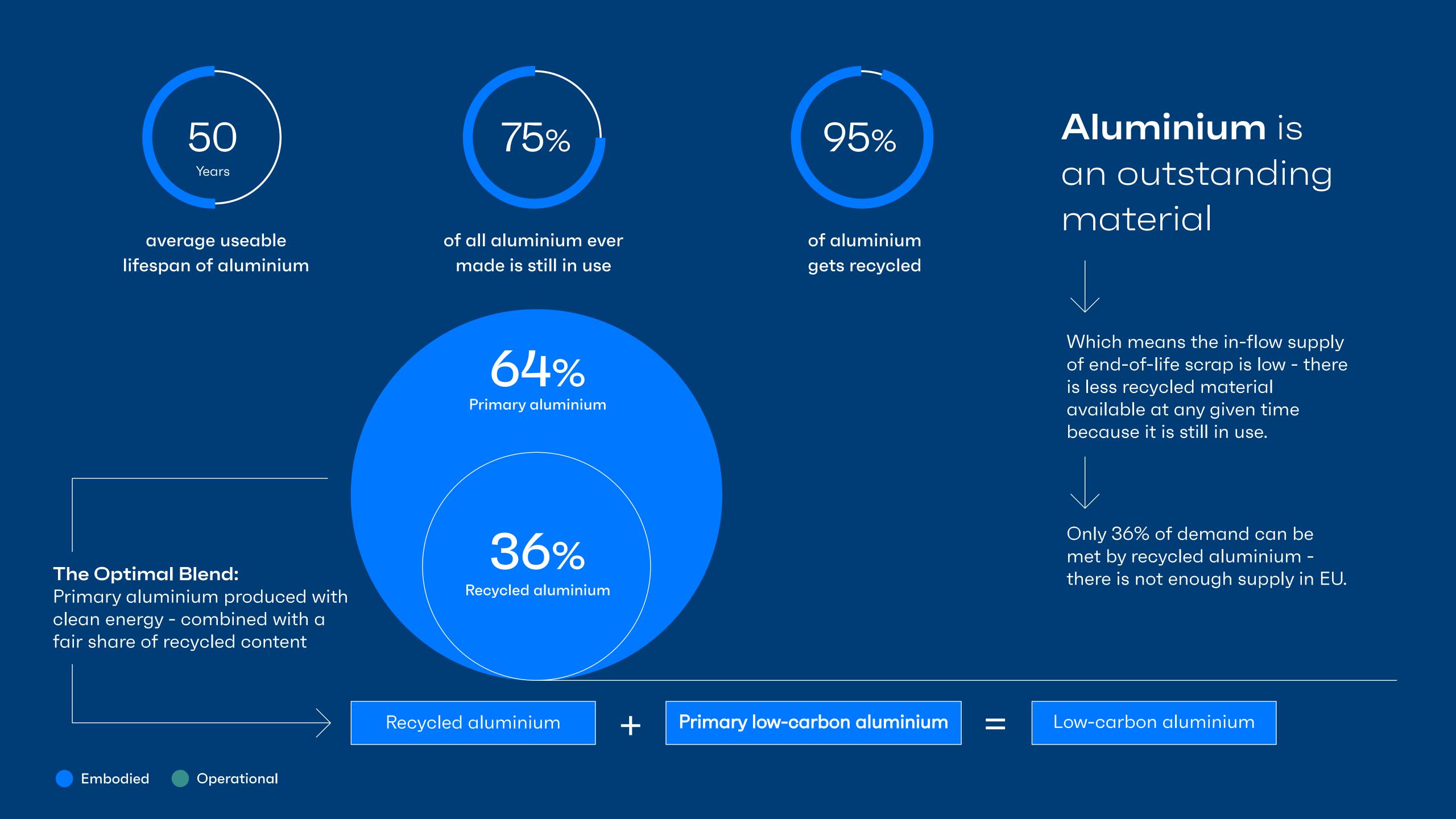


The impact of energy-efficient doors, windows and façades is critical to these improvements.



More than 75% of buildings in Europe are still energy-inefficient.

Historically



# **Low carbon:** the optimal blend of primary aluminium produced with clean energy - combined with a fair share of recycled content

Operational

Embodied

