A breakthrough technology for glass packaging production with the goal of achieving climate neutrality

The ‘Furnace for the Future’ (F4F) will allow the European glass industry to switch to renewable electricity and dramatically reduce CO₂ emissions. Electric melting already works but is limited to small-scale furnaces for clear glass with limited recycled glass content. The F4F can make this work for much bigger furnaces, for all glass colours and using high amounts of recycled glass.

Europe is a global leader in glass furnace and machinery technology. Breakthrough projects like the F4F will reinforce the region’s leadership in the sector and drive a Circular Economy.

Most of the glass containers produced are delivered to customers within a 300km radius, supporting the creation of local jobs. More than 125,000 people work in the glass packaging value chain across Europe.

The ‘Furnace for the Future’ (F4F) will operate on a commercial basis. First results are expected in 2023.

At present, 80% of emissions in the glass industry come from the combustion of natural gases used to melt glass in a furnace.

Let’s build long-term sustainability

The European glass industry is committed to enabling the transition to a resource-efficient and low-carbon economy. By doing so, the industry will ensure that actions and business goals are in line with global commitments to the UN 2030 Sustainable Development Goals. Your support will enable the glass container industry to power this transition.