

# Climate-neutral production gains traction across FEVE member industries

**G**lass bottle manufacturing across Europe and the UK is progressing towards climate-neutral production, supported by new evidence indicating measurable results. The Decarbonisation Report 2025 published by European Container

Glass Federation confirms that the transition to low-carbon glass manufacturing is already underway across Europe. Its findings align closely with the Glass Sector Net Zero Strategy 2050 developed by British Glass, demonstrating a coordinated approach

based on investment, innovation and the deployment of emissions-reducing solutions.

## **THE GLASS SECTOR IS NOT WAITING FOR CHANGE**

The combined findings of both reports point to a sector moving



Coursing a path towards net-zero packaging for the European glass container industry necessitates an urgent, annual strategic replacement of old furnaces with low-carbon alternatives. As detailed in a recent report by FEVE, this includes substantial capital investment of 20 billion, as well as affordable access to green energy.



### **GLASS IS A PERMANENT, ENDLESSLY RECYCLABLE MATERIAL**

The coordinated progress of the sector also highlights its resilience during a critical period for European industry. Glass, as a permanent and endlessly recyclable material, plays a key role in supply chains across food, beverage, pharmaceutical and cosmetics sectors. Advancing towards climate-neutral production supports the long-term sustainability of these industries while helping to safeguard skilled manufacturing jobs and maintain competitiveness in global markets. Dr Nick Kirk, Federation Director at British Glass, noted that the findings demonstrate tangible progress, with both UK and European sectors aligned in their efforts to deliver real emissions reductions and move towards climate-neutral production.

from ambition to implementation. Manufacturers across Europe and the UK are introducing new technologies, improving energy efficiency and reshaping production processes. Electrification is emerging as a key pathway for reducing combustion emissions, with companies working to increase the share of furnace energy derived from electricity. All-electric and hybrid furnaces are already being deployed, achieving emissions reductions of up to 60 percent in certain applications. Where full electrification is not yet feasible, alternative fuels such as hydrogen and biogas are being explored to further lower emissions. Circularity remains a central strength of the sector. More than 80 percent of glass packaging in Europe is

collected for recycling, contributing to lower energy demand and reduced emissions during manufacturing. These developments reflect the trajectory outlined in the UK strategy, reinforcing a shared commitment to accelerating innovation and achieving climate-neutral production.





**POLICY AND INFRASTRUCTURE SUPPORT IS ESSENTIAL**

Both reports emphasise that, although technological pathways are now established, scaling them across the industry depends on supportive policy and infrastructure. Barriers to electrification include grid connection costs and timelines, as well as the capital investment required for new furnaces and the higher operational cost of electricity. Ensuring adequate grid capacity and prioritised connections for energy-intensive industries will be critical,

particularly as furnaces reach replacement cycles. Alternative fuels will also contribute to further emissions reductions. The UK has introduced mechanisms to support hydrogen production for industrial use at costs comparable to natural gas. Additional measures, including support for biomethane and its treatment within emissions trading systems, could further accelerate progress. The report identifies 2025 as a transition phase, in which decarbonisation pathways have been technically validated and multiple solutions are emerging. The next stage

will focus on full-scale deployment, dependent on infrastructure readiness, regulatory frameworks and strategic investment. The overall message is clear: the glass industry is already implementing the technologies required for net zero and is positioned to accelerate further with appropriate policy support. ■



**FEVE**

Avenue Louise 89, Bte 4  
B-1050 Brussels  
BELGIUM  
Tel.: +32-2-536-0080  
secretariat@feve.org  
www.feve.org



**British Glass**

**BRITISH GLASS MANUFACTURERS' CONFEDERATION**

9 Churchill Way, Chapeltown,  
Sheffield, South Yorkshire S35 2PY  
United Kingdom  
www.britglass.org.uk

## DAILY NEWS

Tuesday, June 18, 2024

Follow us on our social networks!



Search



Verallia commits to transition to renewable and sustainable



HEGLA boarder: Antibacterial glass with silver ion finish



Vetropack: Echovai bottle wins WPO Award



POLFLAM at FeuerTrutz 2024 - Where innovation meets fire



glasstec: Interview with Prof. Klaus von der Brunn

Company news  
**LISTEN LISEC podcast Season 1**  
6 June 2024

Company news  
**Falomi Tech: New development projects in Iraq**  
6 June 2024

Company news  
**CMS Open House New Technologies 2024**  
6 June 2024

## Linked in: Glass Industry Network

**25,070 Followers**



4,728 Impressions



**16,356 Impressions**



Customers involve IOCCO in feasibility studies for whole car glass sets

Among IOCCO's contribution in the manufacture of systems for the air extraction during the lamination of windscreen, laminated sideights and sunroofs is the notable improvement for both concept and fabrication of vacuum bag furnaces...



*GlassOnline.com offers a full multi-media experience across channels and platforms*

## DAILY NEWS

Daily news from around the world of glass: industry, economy and finance, management, projects, systems, innovations, products, events, etc.

## DAILY NEWSLETTER

Over 7,600 registered users receive the newsletter - with a worldwide news service - five days a week.

## VIDEO INTERVIEW

GlassOnline, Glass Industry Network (LinkedIn page) and our chanel Youtube, will host and promote your company videos and video interviews to a large professional audience

## FOCUS ON

A service dedicated to companies that want to publish articles in real time on case histories, special company events and celebrations, business agreements and production innovations, etc.

## OUR PUBLICATIONS

All our publications are available free-of-charge in digital desktop format, iPhone / iPad and Android mobile systems or in pdf format

