




TRANSFORMING GLASS PACKAGING THROUGH CIRCULAR INNOVATION AT SCALE

More Information

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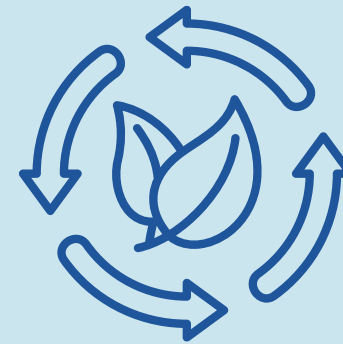
TRANSFORMING GLASS PACKAGING THROUGH CIRCULAR INNOVATION AT SCALE

Osotspa is transforming Thailand's glass packaging system—delivering large-scale circularity, cost efficiency, and measurable climate impact through end-to-end innovation

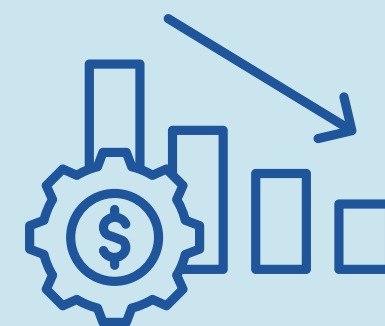


LARGEST PACKAGING FOOTPRINT, BIGGEST OPPORTUNITY

Glass bottles represent about 90% of Osotspa's beverage packaging – making circularity our biggest lever to drive environmental and business impact.



To reduce environmental impact from glass bottle production by apply circularity principles



To reduce production costs through material optimization and increased recycled content

REINVENTING GLASS PACKAGING FOR RESPONSIBLE CONSUMPTION

Osotspa applies circularity principles to glass bottle packaging management through an end-to-end approach. Each step reduces emissions, resource use and cost.



EMBEDDED ACROSS THE ENTIRE ORGANIZATION

Business Integration



Modernize packaging design to address consumer needs

Develop sustainable packaging solutions that strengthen brand value and consumer appeal



Improve Process Efficiency

Enhance resource efficiency through recycled cullet utilization



OSP Sustainability Framework and Goals 2030

Support sustainable packaging and waste management goals under OSP Sustainability Framework

Cross-functional collaboration



Research & Development

Develop innovative formulation and recyclable packaging solutions



Quality control

Ensure consistent product quality, safety, and manufacturing standards



Manufacturing

Produce sustainable glass bottles and operate the recycling system



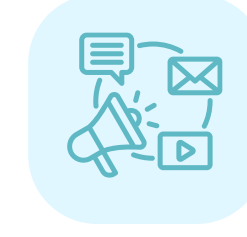
Supply Chain

Manage raw materials and logistics



Trade & Sales

Engage customers and manage warehouse and logistics



Marketing

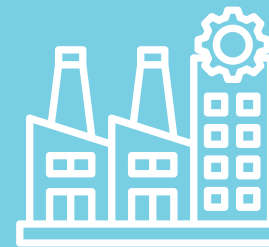
Integrate sustainability into product design and brand communication

TECHNOLOGY AND INNOVATION DRIVING LONG-TERM CIRCULAR IMPACT



Light Weighting

Continuously improve glass bottle weight without compromising quality, strength, and safety standards to reduce resource consumption and environmental impact



Advanced Manufacturing

Continue investing in NNPB (Narrow Neck Press and Blow) technology to enable lightweight glass bottle production with higher efficiency, precision, and material optimization



Ecosystem Partnerships

Support small collectors through Bottle-to-Bottle and PackBack recycling initiatives to strengthen long-term cullet supply resilience

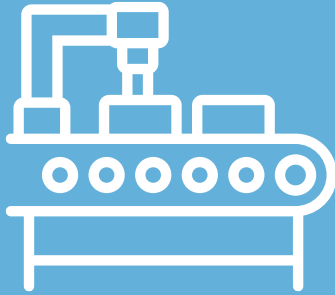
DELIVERING MEASURABLE ENVIRONMENTAL AND BUSINESS IMPACTS



15%
glass bottle
weight reduction




688,912 tons
of cullet collection
(2023-2025)



Increase cullet ratio
in glass bottle
production to
75%



Reduced
production cost
by approximately
20%



Reduced GHG
emissions in glass
bottle production by
80%*

comparison between a glass bottle of original weight using 100% virgin raw materials and a glass bottle of 15% lighter and 75% cullet ratio