

## HORIZON 1

Goal of the horizon is to achieve waste reduction for prioritized streams: Plastic, Food, Residual and Paper.

KPIs are enabling this by dedicating R-strategies to the prioritized streams.

## HORIZON 2

Goal of this horizon is to achieve a zero waste airport.

KPIs are focused on R0-7 strategies for all waste streams and moving away from incineration.

## HORIZON 3

Goals of this horizon is to achieve a circular airport.

KPIs are focused on retaining the highest possible value of materials, components and products.



Moving from current airport to a circular\* airport

**2019-2025**  
**Reducing Waste**


**2025-2030**  
**Zero Waste**

**2030-2050**  
**Circular Economy**

\* The circular economy is a system solution framework. A circular economy decouples economic activity from the consumption of finite resources to stay within planetary boundaries. It's a model that maintains the highest possible value of raw materials, components and products, either by lengthening their lifetime or by looping them back in the system to be reused. Waste is eliminated or used as a resource, both by smart circular design and value retention processes (R strategies). Also, a circular economy aims to prioritize the regeneration of nature so that resources can restore, renew or revitalize their own sources of energy and materials.

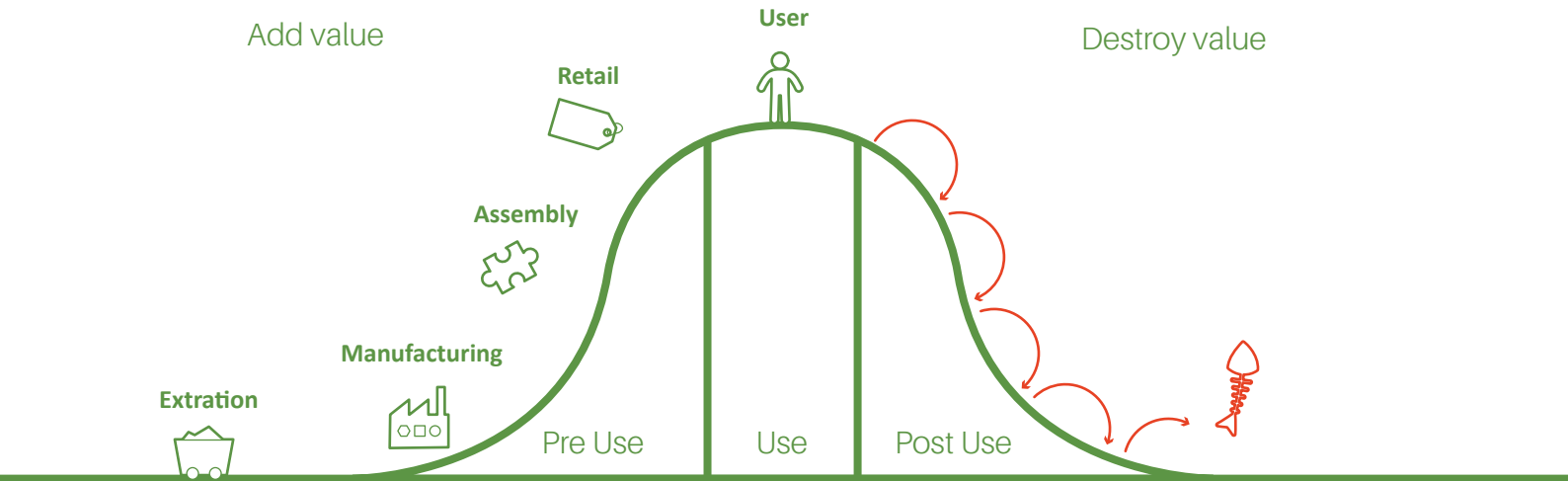
**Circular Economy**

**Strategies**

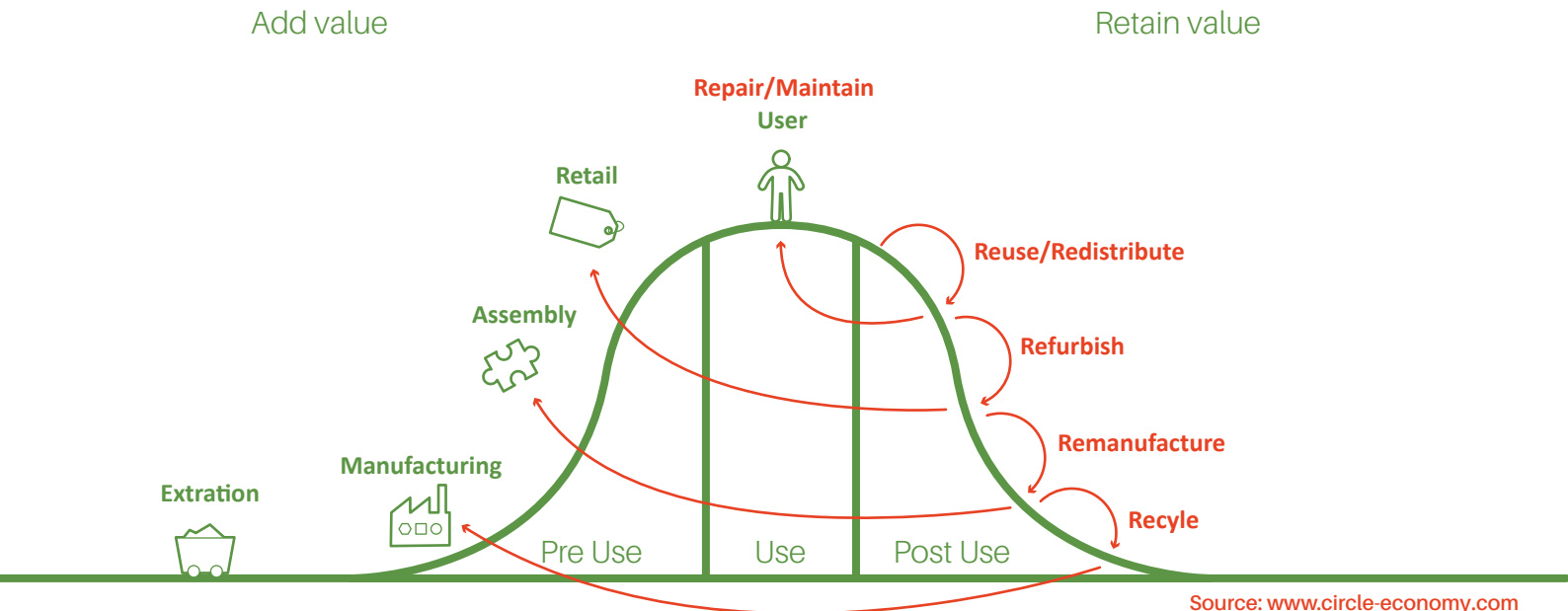


Smarter product use and manufacture	<b>R0 Refuse</b>	Make product redundant by abandoning its function or by offering the same function with a radically different product
	<b>R1 Rethink</b>	Make product use more intensive (e.g by sharing product)
	<b>R2 Reduce</b>	Increase efficiency in product manufacture or use by consuming fewer natural resources and materials
Extend lifespan of product and its parts	<b>R3 Reuse</b>	Reuse by another consumer of discarded product which is still in good condition and fulfills its original function
	<b>R4 Repair</b>	Repair and maintenance of defective product so it can be used with its original function
	<b>R5 Refurbish</b>	Restore an old product and bring it up to date
	<b>R6 Remanufacture</b>	Use parts of discarded product in a new product with the same function
	<b>R7 Repurpose</b>	Use discarded product or its parts in a new product with a different function
Useful application of materials	<b>R8 Recycle</b>	Process materials to obtain the same (high grade) or lower (low grade) quality
	<b>R9 Recover</b>	Incineration of material with energy recovery

# The value hill in a linear economy



# The value hill in a circular economy

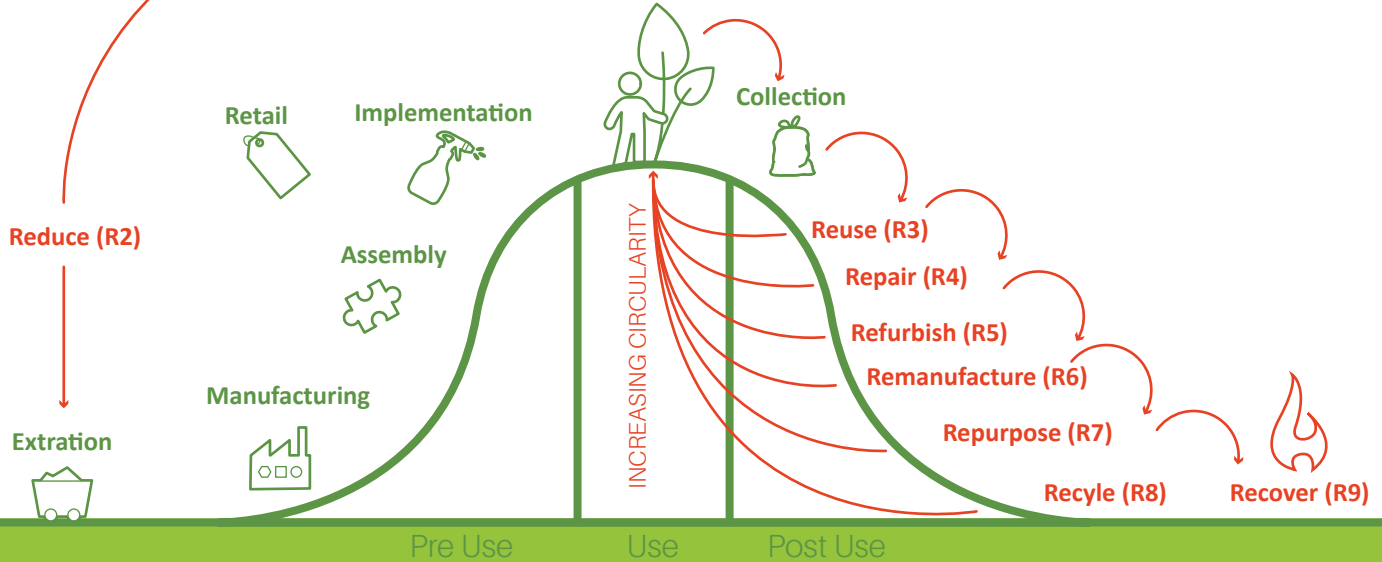


Add value

Retain value

Refuse (R0)  
Rethink (R1)

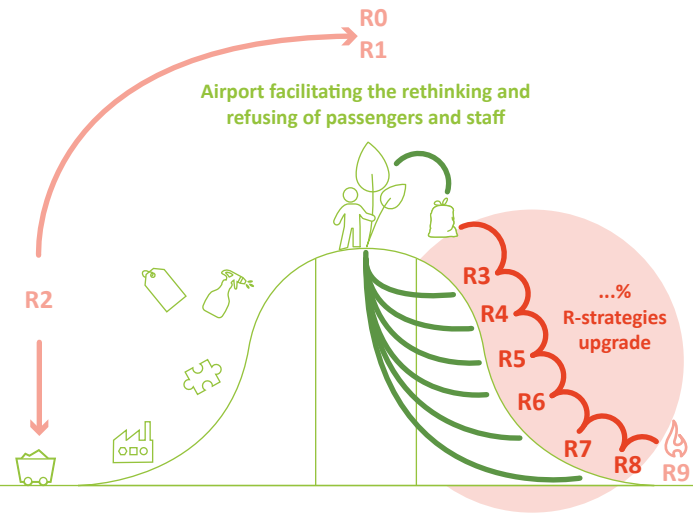
Airport facilitating the rethinking and refusing of passengers and staff



# HORIZON 1

Add value

Retain value



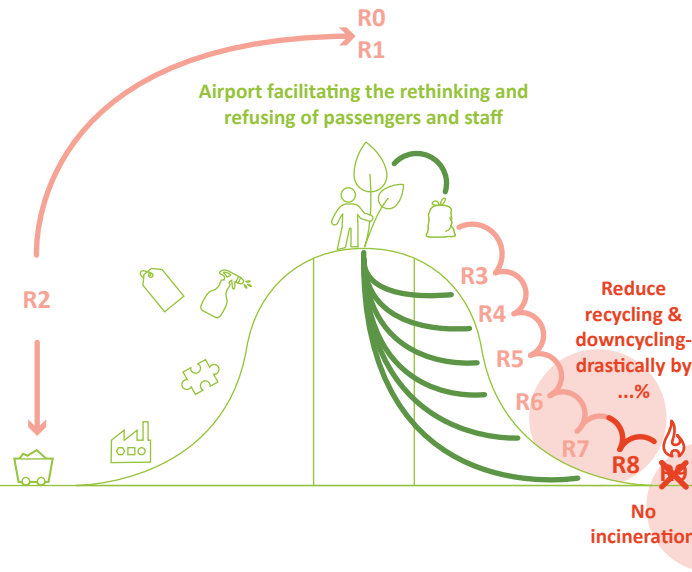
**2012-2025**  
Reducing Waste



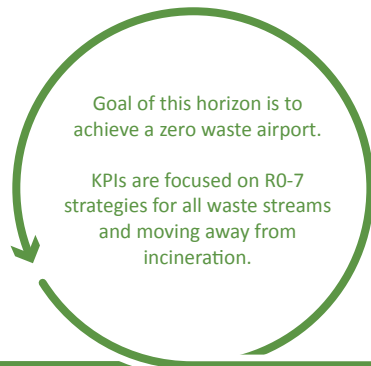
# HORIZON 2

Add value

Retain value



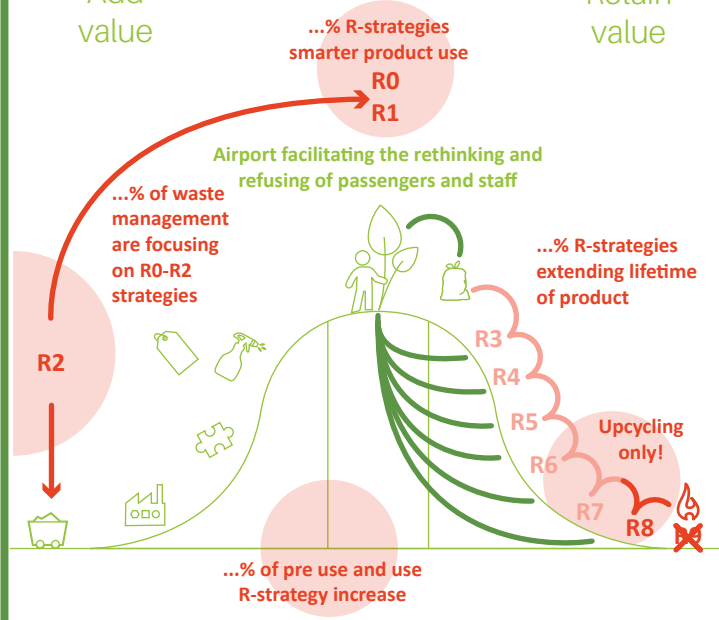
**2025-2030**  
Zero Waste



# HORIZON 3

Add value

Retain value



**2030-2050**  
Circular economy



Moving from current airport to a circular airport\*

The circular economy is a system solution framework. A circular economy decouples economic activity from the consumption of finite resources to stay within planetary boundaries. It's a model that maintains the highest possible value of raw materials, components and products, either by lengthening their lifetime or by looping them back in the system to be reused. Waste is eliminated or used as a resource, both by smart circular design and value retention processes (R strategies). Also, a circular economy aims to prioritize the regeneration of nature so that resources can restore, renew or revitalize their own sources of energy and materials.