

10 R STRATEGIES FOR CIRCULAR ECONOMY

STRATEGIES THAT AIM TO MAXIMIZE RESOURCE UTILIZATION AND MINIMIZE WASTE, CREATING A TRULY SUSTAINABLE MARINE SUPPLY CHAIN.

DESIGN PHASE

- Most sustainable
- Adds value
- Responsible use and manufacturing



R0 REFUSE

Prevent the use of products and raw materials in the creation of goods, processes, and services



R1 RETHINK

Reconsider ownership, use, and maintenance of products



R2 REDUCE

Decrease the use of raw materials in products and services

CONSUMPTION PHASE

- Optimal use
- Preserve and extend life of products



R3 REUSE

Secondary use of products by another owner for the same intended purpose



R4 REPAIR

Maintain and repair existing products for extended use



R5 REFURBISH

Restore and improve products to a satisfactory condition for extended use



R6 REMANUFACTURE

Make more products with the same purpose with discarded products or parts



R7 REPURPOSE

Make new products with a different purpose with discarded products or parts

END-OF-LIFE RETURN PHASE

- Capture and retain value
- Use waste as a resource



R8 RECYCLE

Process waste into new products or materials that can be used for new products



R9 RECOVER

Process waste to recover energy

LOSS OF RESOURCES



LANDFILL OR INCINERATION

Not utilising end-of-life materials in any way