Market and Product Decision Tree

START WITH PRODUCT TO BE EVALUATED

Is there demand for product on the market? — Yes → FOCUS on recirculation of products and parts — Yes → Is the product functioning properly? — Yes → Is there a demand for product in current state? — Yes → REUSE

Is there demand for product on the market? — No → FOCUS on recirculation of materials

Is there a demand for product in current state? — No → Is there a demand for product with improved functionality? — Yes → Is it possible to technologically change the product for better performance — Yes → UPGRADE

Is it possible to technologically change the product for better performance — No

Is there a demand for product with improved functionality? — No

Is there a demand for product after it is fixed? — Yes → Is it possible to easily repair faulty parts and components? — Yes → Is the energy efficiency of the fixed products similar to a new product — Yes → REPAIR & MAINTENANCE

Is it possible to easily repair faulty parts and components? — No
Is the energy efficiency of the fixed products similar to a new product — No

Is there a demand for product after it is fixed? — No → Is there demand for a reconditioned product, having fixed significant faults? — Yes → Is it possible to significantly replace faulty modules and parts? — Yes → Is the energy efficiency of the reconditioned product similar to a new product? — Yes → REFURBISH

Is it possible to significantly replace faulty modules and parts? — No
Is the energy efficiency of the reconditioned product similar to a new product? — No

Is there demand for a reconditioned product, having fixed significant faults? — No → Is there a demand for a used product with a as-new quality? — Yes → Is it possible to bring the product back to as-new quality? — Yes → Is the energy efficiency of the retrofitted product similar to a new product? — Yes → REMANUFACTURE

Is it possible to bring the product back to as-new quality? — No
Is the energy efficiency of the retrofitted product similar to a new product? — No

Is there a demand for a used product with a as-new quality? — No → Are there opportunities to use the product (or parts) for other applications — Yes → REPURPOSE

Are there opportunities to use the product (or parts) for other applications — No

Is there a demand for non-virgin material of similar quality? — Yes → Is it safe to separate non-compatible materials for recycling? — Yes → Can toxic substances be separated for safe recycling? — Yes → RECYCLE

Can toxic substances be separated for safe recycling? — No

Is it safe to separate non-compatible materials for recycling? — No

Is there a demand for non-virgin material of similar quality? — No → Is there a demand for non-virgin material of lesser quality? — Yes → Are there technologies available for processing the material? — Yes → Can toxic substances be separated for safe recycling? — Yes → CASCADE

Can toxic substances be separated for safe recycling? — No

Are there technologies available for processing the material? — No

Is there a demand for non-virgin material of lesser quality? — No → Is there an opportunity to recover energy or nutrients from the material? — Yes → Can toxic substances be separated for safe recovery? — Yes → RECOVER

Can toxic substances be separated for safe recovery? — No

Is there an opportunity to recover energy or nutrients from the material? — No → SAFE DISPOSAL