

STRUCTURED INNOVATION

MOTIVATION & CREATIVITY

The traditional linear economic model is "take-use-throw", in which resources are extracted.

The model is inefficient, easy to cause environmental pollution, and faces the risk of resource depletion.

Why
Choose
Circular
Economy



In order to realize sustainable development, circular economy as a new model was born. The core of circular economy is to optimize the flow of resources in the product life cycle and to tap potential waste and inefficiency.

TRIZ

TRIZ, as an inventive problem solving theory, will provide a systematic set of tools and methods for the circular economy to identify and resolve technical contradictions in product design and production.

Designing recyclable modular products using TRIZ's 40 innovative principles, such as "substance splitting", promotes efficient recovery and reuse of resources. In addition, TRIZ's technology contradiction matrix and innovative algorithms facilitate new design ideas and process improvements, while its system analysis tools provide a deep understanding of product and system interactions to optimize overall resource utilization efficiency.

Through technology forecasting, TRIZ is also able to chart the path of future innovation and guide the long-term development of the circular economy.



"SIX THINKING HATS"



They evaluate metrics such as the amount of used carpet recycled, the energy saved by recycling, and the reduction in raw material use.



They evaluate employee enthusiasm for recycling programs and assess public perception of their initiatives to ensure that their initiatives resonate positively with stakeholders.



They consider the technical challenges associated with carpet recycling, the cost and feasibility of recycling technologies.



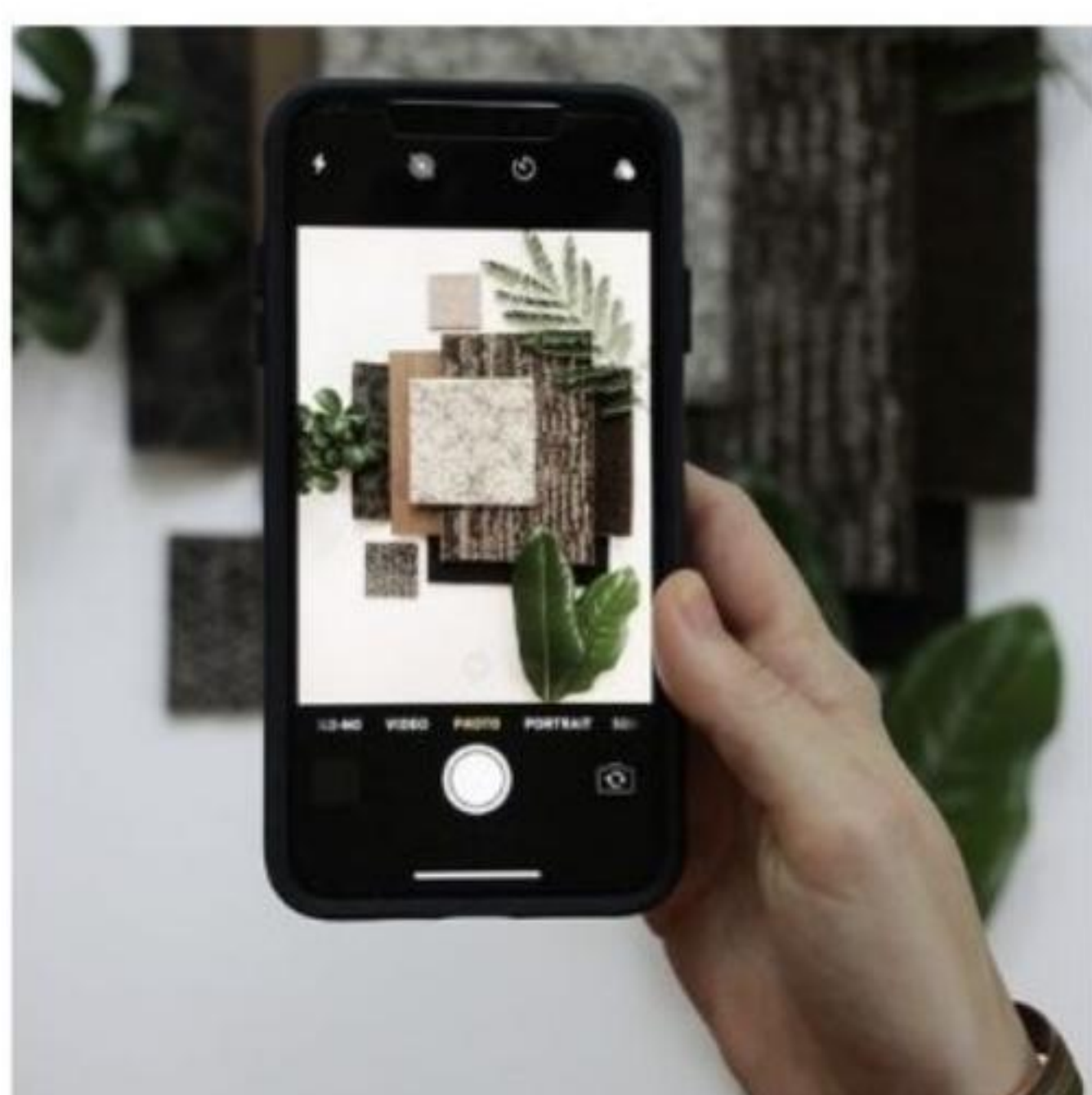
They explore the business opportunities presented by their recycling programs, launching recycled carpet tiles as a new product line or attracting environmentally conscious customers.



They plan to design carpets that are easier to recycle or develop advanced recycling technologies to further reduce waste.



They will develop monitoring and adjustment strategies to ensure the long-term sustainability of their circular economy initiatives.



Transformation of Interface is a leading global manufacturer of commercial carpets committed to integrating circular economy principles into its business model. By launching a carpet tile recycling program, they successfully recycled old carpets and created new products. Not only does it greatly reduce waste and the need for new raw materials, it also improves resource efficiency.

REAL CASE STUDY