

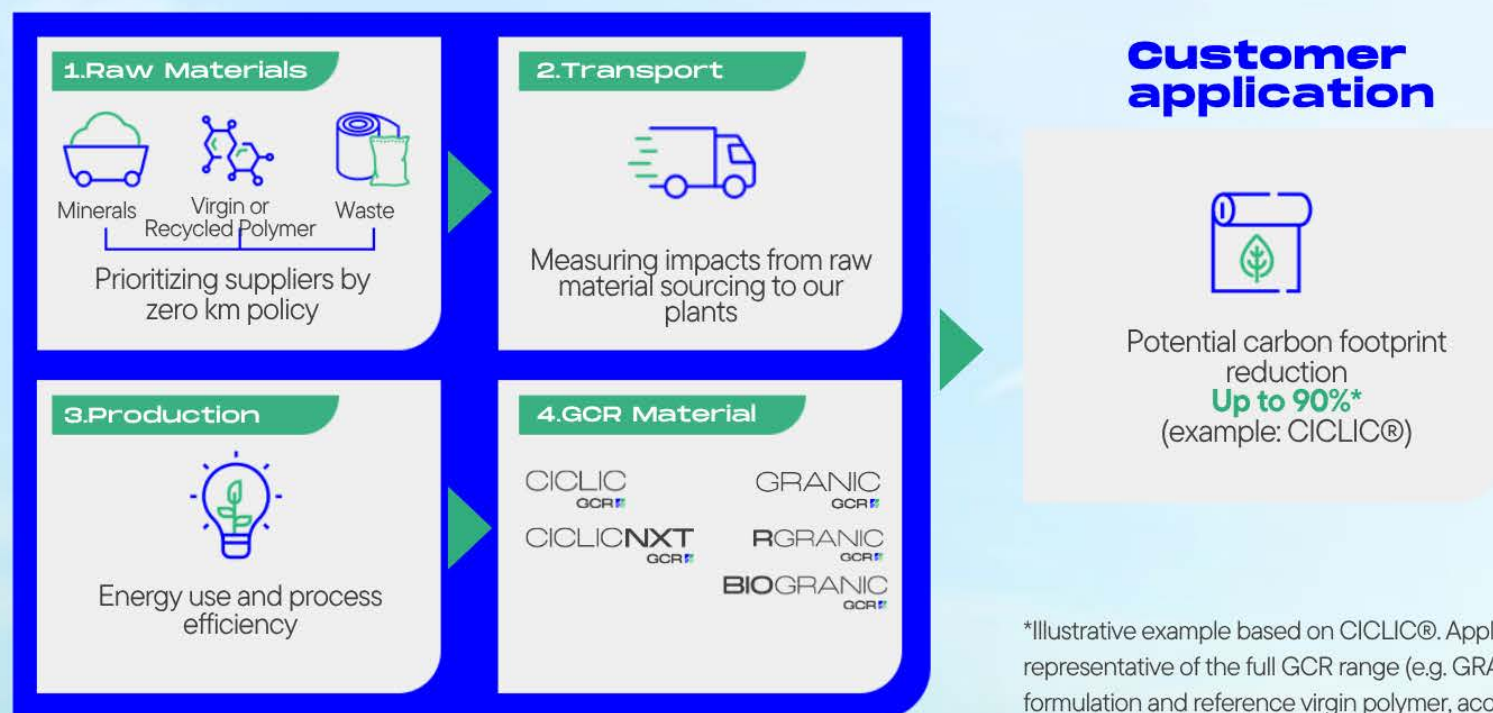
Life Cycle Assessment



Life Cycle Assessment (LCA) evaluates environmental impacts across defined stages of a product's life cycle. At GCR, our assessments use a cradle-to-gate boundary, covering raw material sourcing, transport and production until the material leaves our facilities.

Benefits: LCA provides a transparent basis to compare material formulations and assess the potential environmental impact of substituting virgin polymers with GCR materials.

GCR conducts **cradle-to-gate life-cycle assessments in accordance with the ISO 14040 series. Product carbon footprint assessments follow ISO 14067.**



*Illustrative example based on CICLIC®. Applicable to recycled polyolefin formulations; not representative of the full GCR range (e.g. GRANIC®, mineral-based). Result depends on application, formulation and reference virgin polymer, according to ISO 14067 methodology.