

Innovation
Sustainn
Methodologies



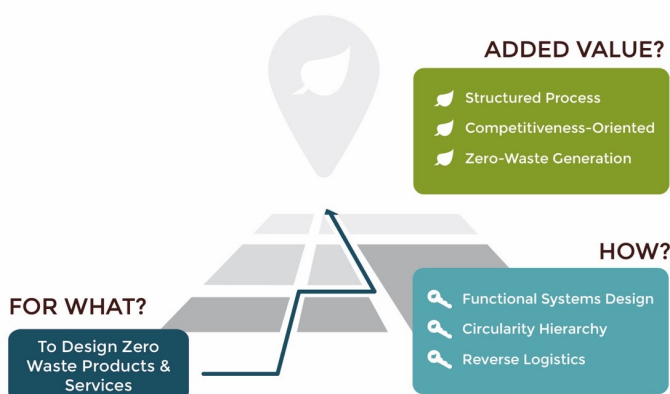
Zero-Waste Systems Engineering

Aim

Zero-Waste Systems Engineering is a structured process for the design and development of competitive, zero-waste and inclusive products, by means of the integration of Circular Economy concepts from the early stages of the design process.

ZERO WASTE SYSTEMS ENGINEERING

A Process To Design Circular Products & Services



Added Value

It is oriented to:

- ▶ Competitiveness, evaluating the product in terms of quality, life cycle cost and delivery
- ▶ Zero-Waste generation, leading to eliminate waste generation as well as environmental impacts from the conceptual design phase



3 Steps for the Conceptual Design of Circular Products



Zero-Waste Systems Engineering



3 Steps for the Conceptual Design of Circular Products

- ▶ Step 1: Optimal Design Point Definition
- ▶ Step 2: Industrialization & Recirculation and Support Concepts
- ▶ Step 3: Competitiveness Assessment

