



User Inputs

1. Food Category
2. Storage Condition
3. Special Requirements

Build Database

from Academic Research

Sustainable
materials
properties

Food
Functional
Requirements

Core Algorithm

Clustering & Matching

Food



Materials



Life Cycle
Assessment

Sustainability
Assessment

Materials
Suggestion

SmartPack Finder



Material	Material A	Material B
LCA score (CO2e)	15	20
Barrier Properties	High	Low
Mechanical Properties	Low	Medium
Shelf-life (day)	20	15