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## Circular Packaging

Optimised textile bag for bulk food end-users : **Easy Vrac Bag**  
(Bulk distribution in PPWR regulation)



# Product presentation

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## Existing packagings for bulk end users :

Glass jars : Signifiant weight, Breakable



Kraft Bags : Single Use



Textile bags : Complex filling and emptying for end user



Coton CSI

## Our proposal : (Patent FR2302217)



Bag with Ring to ease filling in bulk shop

Filled **Easy Vrac Bag** with standard lid to close it



Funnel can take place of lid to ease emptying

Several **Easy Vrac Bags** piled up



**Easy Vrac Bag** materials :

- **Ring & Funnel** : **Bio PET** (Food compatible & recyclable)
- **Bag** : **Cotton** (Food compatible)
- **Lid** : **Standard reference** for food jar

# Project Status & Partners identified



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**Status : 2 positive tests already realized in 2 French Biocoop shops** (bio shop with bulk distribution systems) :  
~30 end users + **3 end users using our Easy Vrac Bags** regularly since 18 months

## **Partners :**

- **LBV Technologies : Sustainable Innovation & Design consultant (Normandy, France)**
- **MicroConcept : Plastic injection molder (Normandy, France)**
- **Bag supplier : Dressmaker cooperative identified (Rhone – Alps area, France)**

# Steps to realize and **partners to be identified**



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- **Proof of concept** to realize with 1000 – 2000 end users in shops/supermarkets
  - => Looking for bulk shop/supermarket brand to test it
  - => Existing in UK (Go Unpackaged), other regions ?
- **Life Cycle Analysis** to run : Compare **Easy Vrac Bag / Glass Jar / Classic textile bag**
  - => Looking for research center/company able to run this
  - => Existing in Netherlands (Greenwise Campus) or Navarra, other region ?
- **Supplier of Bio PET**
  - => Looking for supplier in an ECIV Area ?



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# Draft budget estimation

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- **LBV Technology** (project mgt, Sub-contracting bags, material definition, Lids supply) => 100-140K Euros
- **MicroConcept** (Molds making & industrialisation, Raw material supply, Ring & Funnel injection) => 120-180K Euros
- **Proof of Concept test to run** (Test organisation, Logictics, End-users to find) => 100K Euros ??
- **Life Cycle Analysis to run** (Perimeter definition, Indicators to identify, Run & Analyze LCA) => 60-80K Euros ??
- **TOTAL DRAFT BUDGET estimation : 380 – 500K Euros**

# Easy Vrac Bag



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Thanks for your attention !

Any question ?

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