



Smart, Secure, Sustainable Packaging

“ The technology with the greatest potential to change the world ”

Award CES 2020, Las Vegas.



## Our Mission

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More than 200 Billion one-way packagings wasted in 2022, **400 Billion\* projected in 2030**, destroying billions of trees  
(\**Pitney Bowes Source*)

**1 Billion Reusable Smart Packagings in circulation  
can replace up to 100 Billion wasted Cardboards,  
each year.**

This is our goal for the next 10 years !

## International awakening



China : 30% **Reusable packaging obligation** on all markets since January 1, 2022



**Packaging as a service** takes off in Taiwan



# Chinese market Packaging



7

Chinese Government Target : **1.7B reusable Packaging in circulation before 2025**  
*Goal marked as the 10th pillar of the evolution of the Chinese economy*



One in three consumers in Singapore choose reusable e-commerce packaging

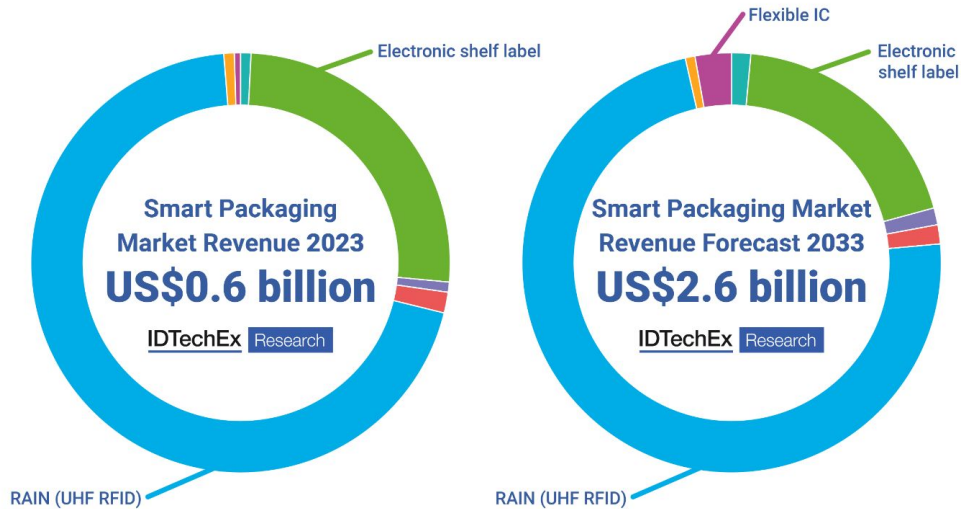
SF Express Introduces F Box Self-Service Terminal for Convenient and Sustainable Package Delivery...



DHL Parcel tests reusable shipping packaging



# US market Packaging



Global demand for electronic smart packaging will reach US\$2.6 billion in 2033



## Smart Packaging 2023-2033

Electronic, smart and intelligent packaging for asset tracking, condition monitoring, illumination, customer engagement, pharmaceutical compliance, material identification.

By Raghu Das and Dr Matthew Dyson

<https://www.idtechex.com/en/research-report/smart-packaging-2023-2033/931>

# Smart Packaging enables unlimited Services

***“Facilitating reuse through services, without compromise”***

*Denis Mourrain, CEO LivingPackages France.*

## Integrated connected Services

- Security: *“Preventive Security” with Full Control*
- Logistics: *“Automatic Returns” & “Dynamic Rerouting”*
- Sales: *“Try before you Buy” & “Direct to Consumer”*
- Circular Economy: *“2nd Life offers”*
- Insurances : *“Guaranteed Payments & Deliveries”*
- And more to come ...



# Products

## THE BOX - Foldable one 49+ International Patent Families

- ✓ 70% of eCommerce & **Luxury** sizes
- ✓ Electronic Display with E-Ink partner
- ✓ Automatic and secured opening
- ✓ Automatic cushioning system
- ✓ 49+ International Patent Families
- ✓ Material : Infinitely recyclable EPP
- ✓ Full Tracking, Shocks, Height fall, Open detection, Temperature, Pressure, Humidity, ...
- ✓ BLE/WIFI/2G-4G-5G/LTE-M/NFC/RFID/NFC/...
- ✓ **Full Remote Control in Real Time !**



All the Technology in one tablet, for any type of Packaging

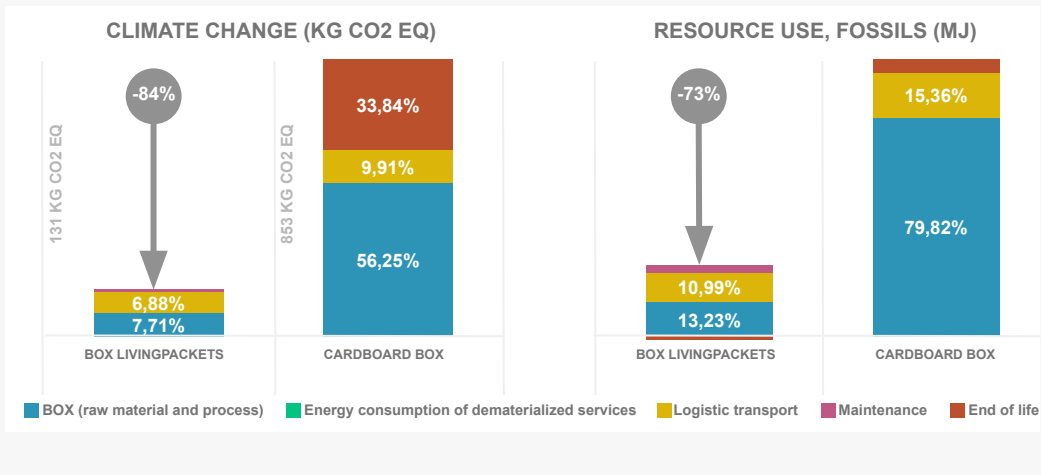


# Impact : Saving up to 1.5 Ton\* of CO2 per Packaging



# 84%

THE BOX reusable packaging allows a reduction of 84% of the emissions compared to the cardboard solution!



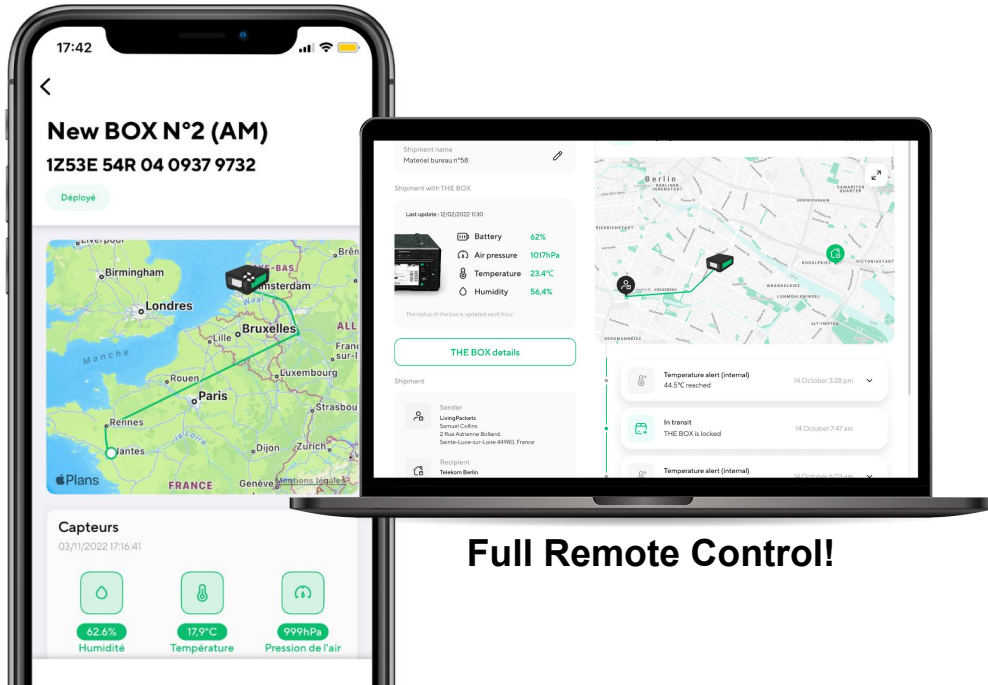
**21 million tons of CO2 saved per year in 2030,**  
with 250 million boxes in circulation.

\*Each BOX saves 1444 Kg CO2 eq. for 1.000 reuses, over the entire life cycle of the packaging.



# Shipping as Usual! No special process

**One App, one API** connecting every WMS, TMS, Logistics companies like UPS, FedEx, TNT, DHL, Chronopost, DPD, etc. with their customers.



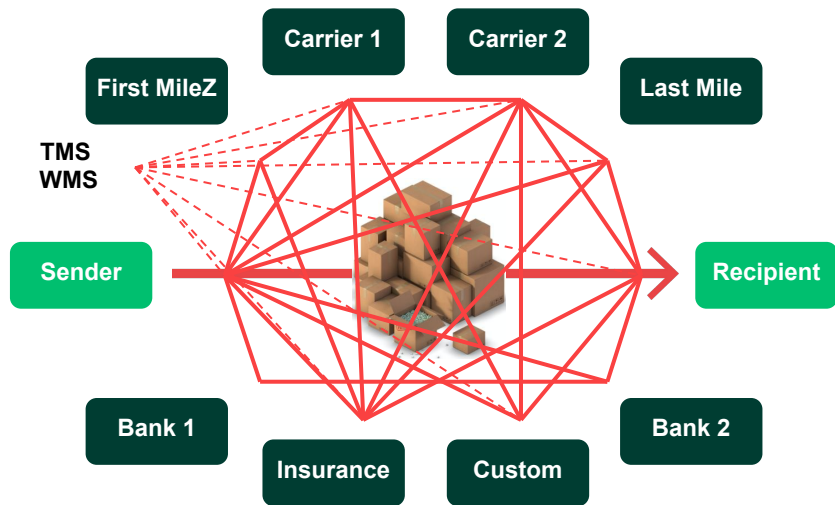
**Full Remote Control!**



# Simplifying and Securing the whole ecosystem

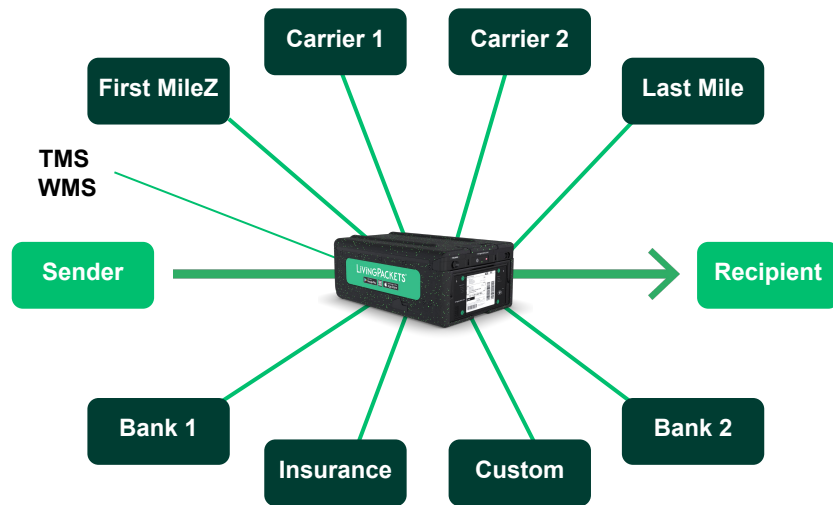
## Complex Legacy

A complex ecosystem with many participants with many technologies, links and APIs



## Simple & Immediate Solution

A simple smart Packaging connecting all participant with only one technology



## Existing Use Cases

# Thinking 2 ways Logistics for business Sustainability

## One way Logistics

Tons of Waste  
No Services

Single use packaging



## Two ways Logistics

No Waste  
Circulation Services

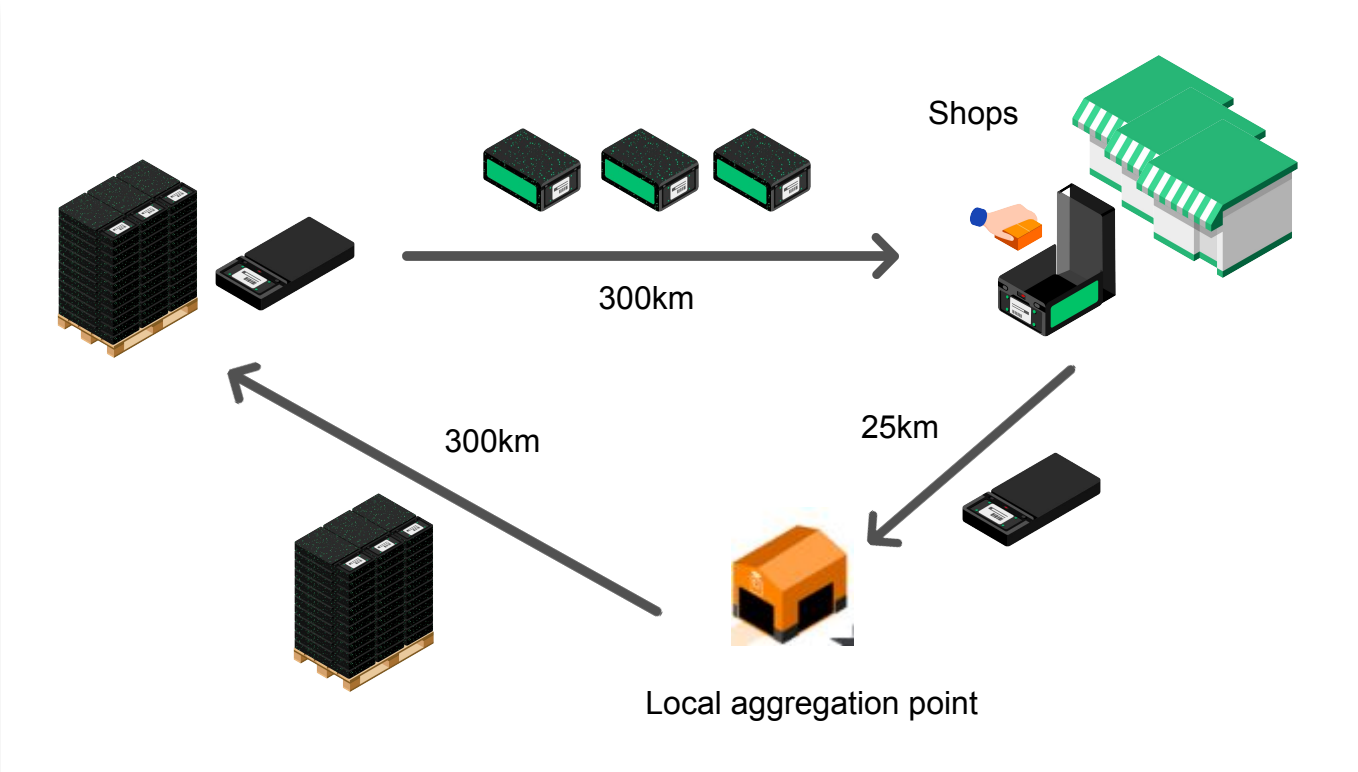
Reusable Smart Packaging THE BOX  
with Circulation Services





# Reusable smart Packaging existing use case #1

Full/Pallet with  
aggregation point  
(B2B network)



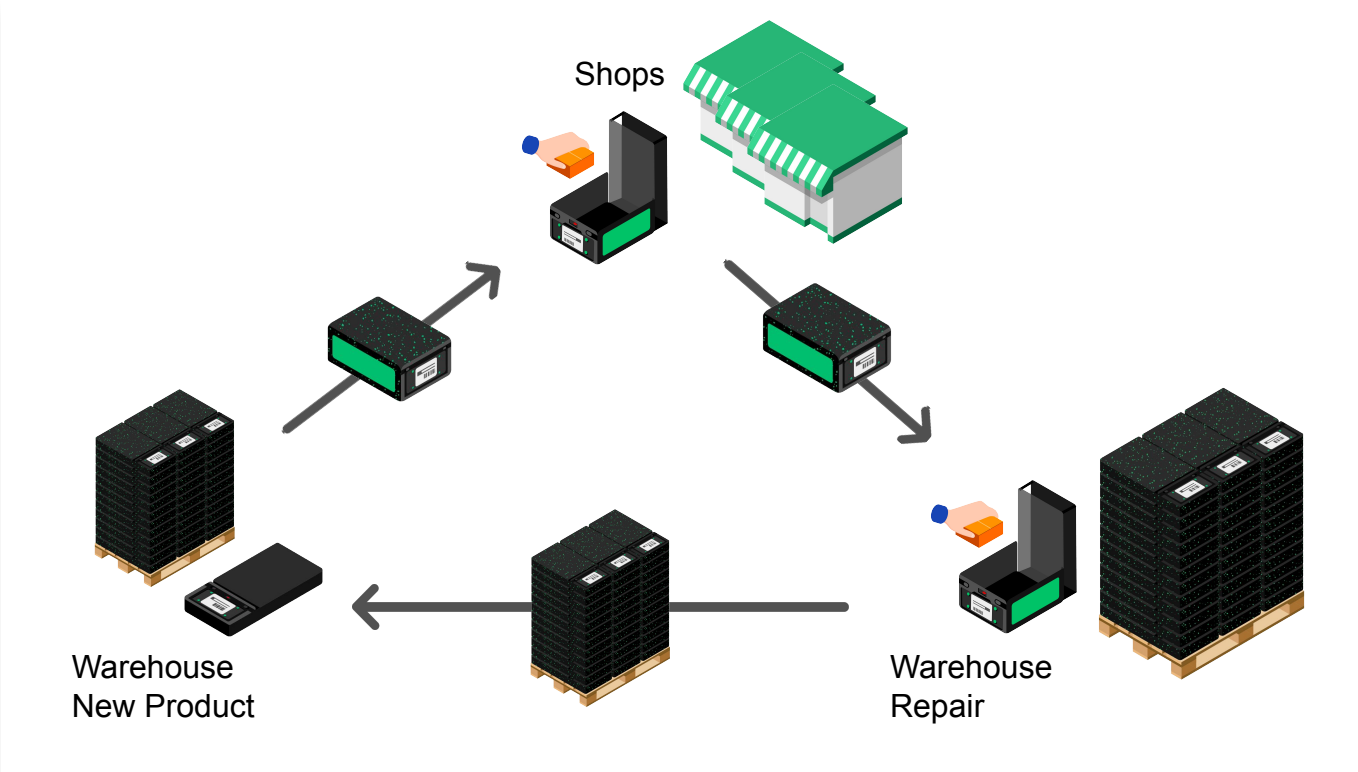
# Reusable smart Packaging existing use case #2

Internal loop  
B2B2B



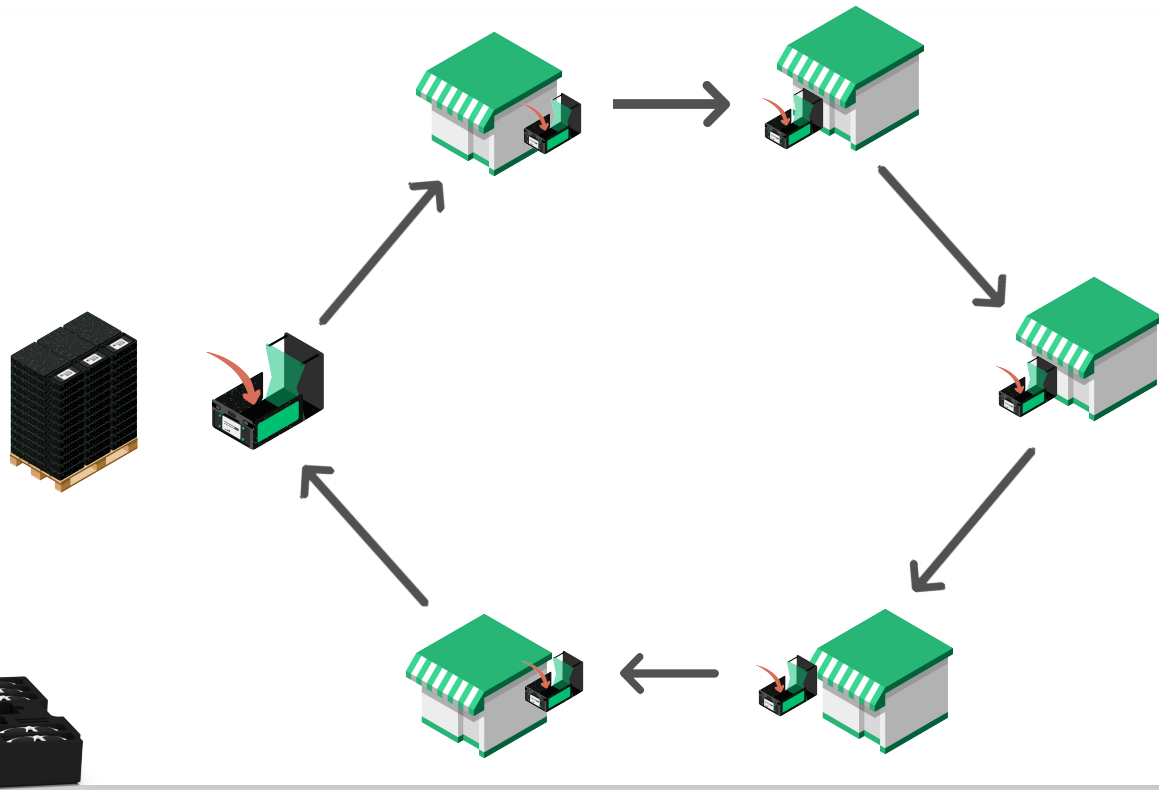
 chronopost

(Step 2)



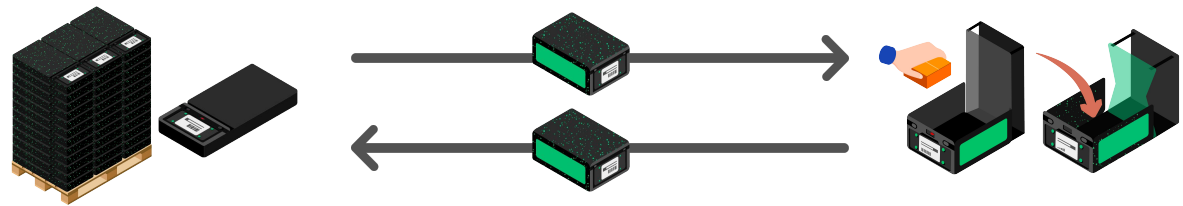
## Reusable smart Packaging existing use case #3

Re-rooting Loop  
New Product  
presentation  
(new Eyewear  
Glasses example)  
B2B2B..2B

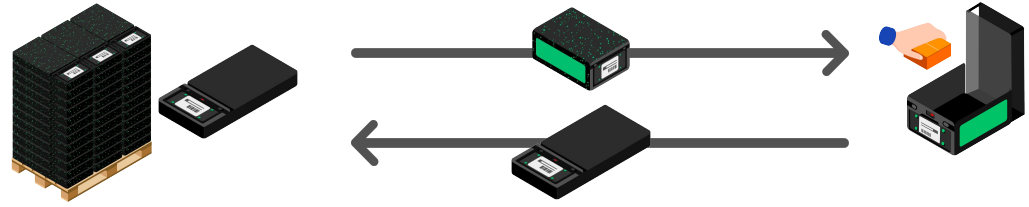


# Reusable smart Packaging existing use case #4

Full/Full  
(MRO- Repair)



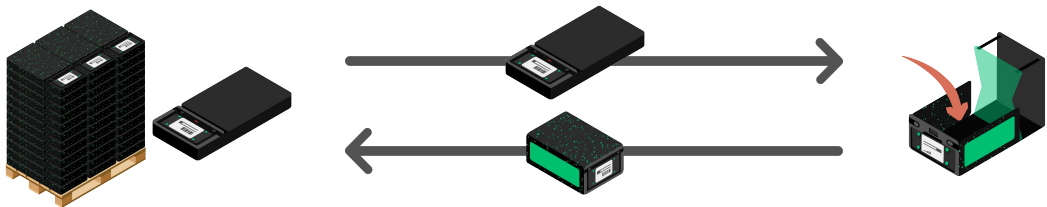
Full/Empty  
(B2C2B)



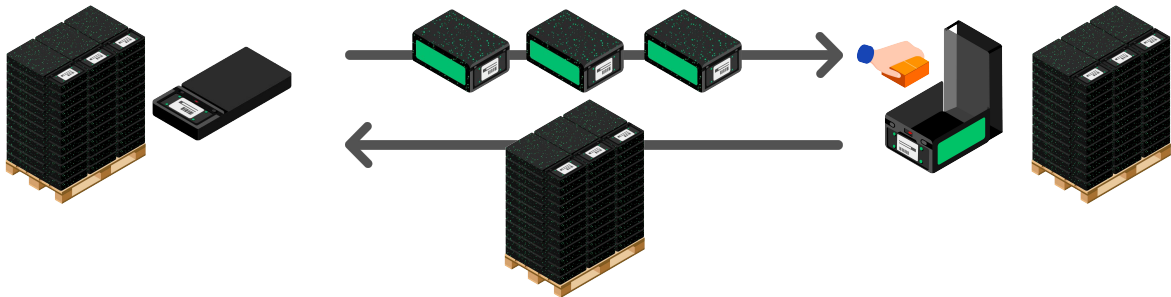


# Reusable smart Packaging existing use case #5

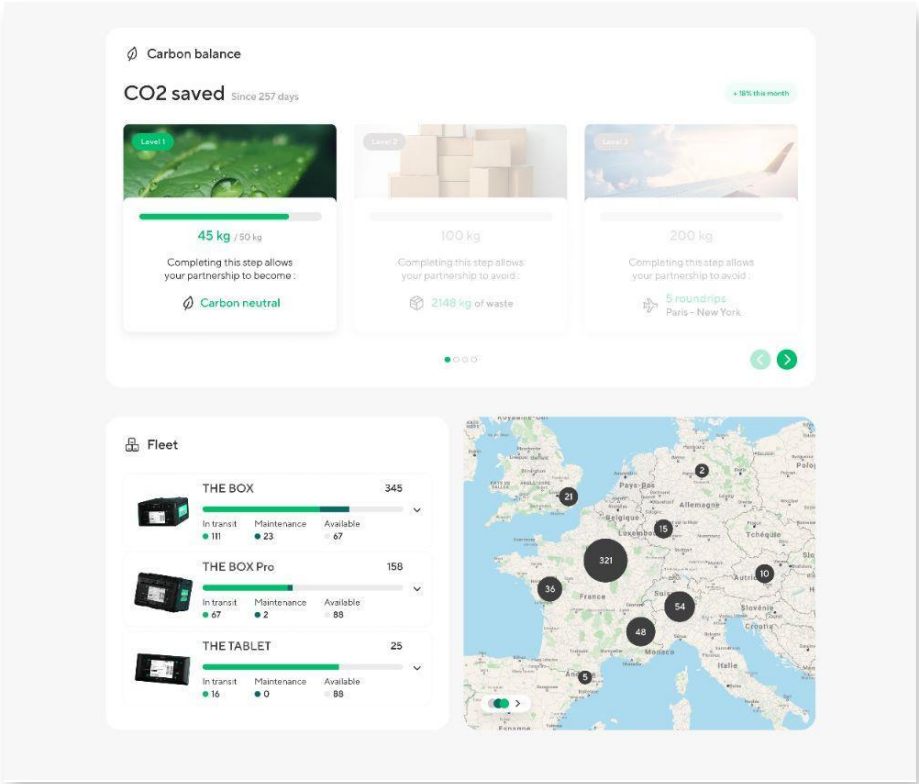
Empty/Full  
(B2B)



Full/Pallet  
(B2B)



# And drive your CO2 packaging dashboard



# The cornerstone of the new Digital & Sustainable Economy

## LivingPackets, a DeepTech company for Smart, Secure & Sustainable Packaging

Deep Research, a passionate team of 70 Engineers & Designers, solid investments and more than 49 patent families for Products, Logistic Services and Production Facilities.



# Thanks for listening

