



# Circular Economy Tools and the Marketplace



PAS 2050: 2011  
Accredited  
Carbon Model

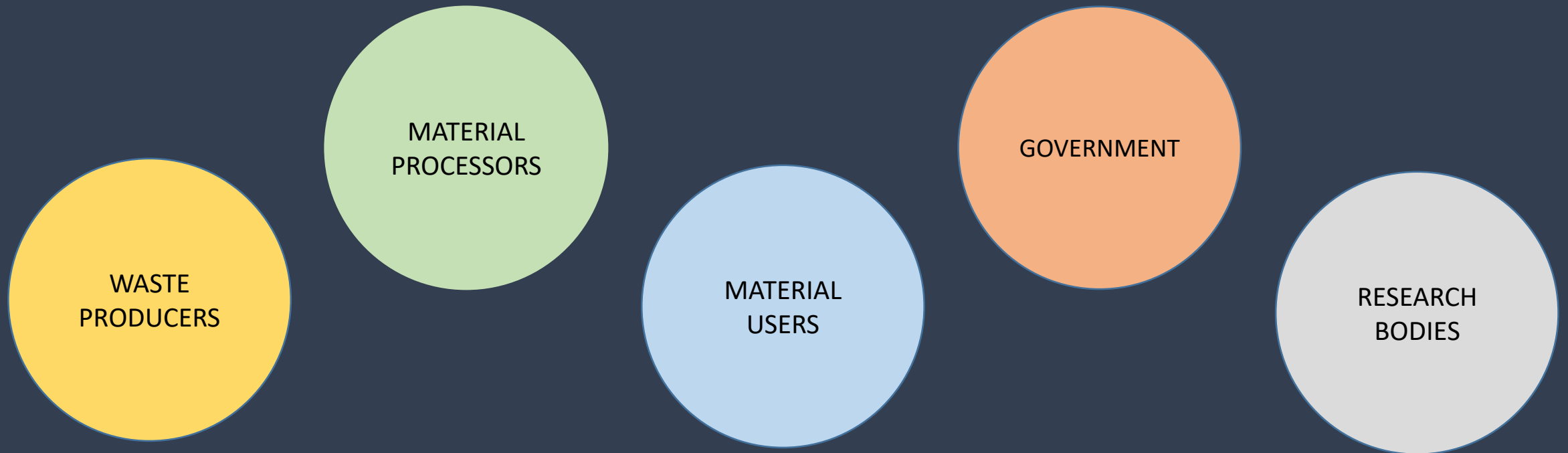
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Dublin - Luxembourg - London

- **COP24** – “Circular Economy the missing link in global climate plan.”
- **DAVOS** – “Circular Economy is a GOLDEN Opportunity.”
- **UK DEFRA** – “Tax on virgin materials and tax breaks on recycled content.”

“Since 2015 approximately 6.3bn tonnes of plastic waste had been generated, 79% ended up in natural environment while 12% incinerated and only 9% recycled” **BBC**

“The Circular Economy Could Unlock \$4.5 trillion of Economic Growth”  
**Accenture**

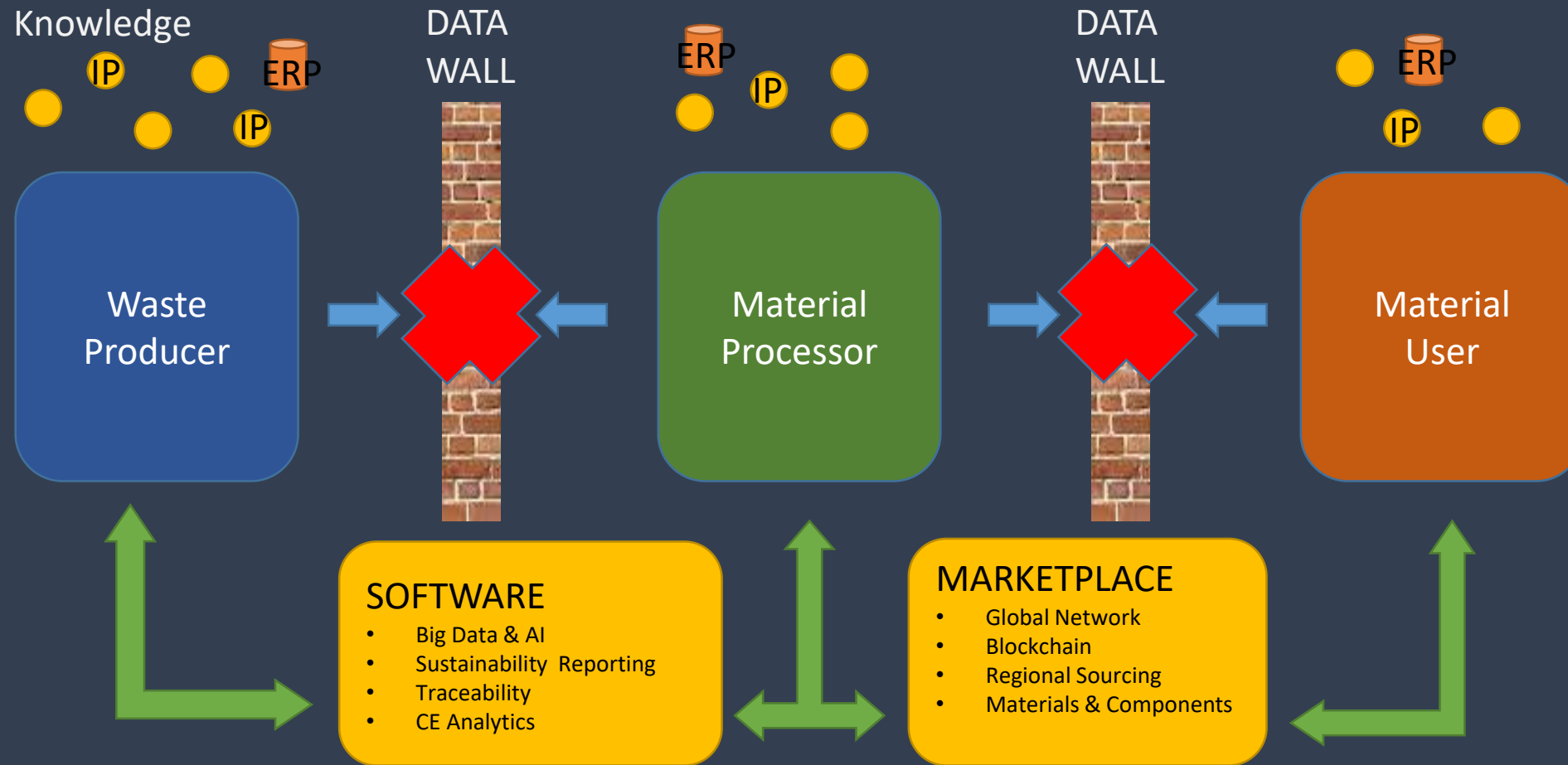
# CIRCULAR ECONOMY = COLLABORATION



Materials Exceptions, Valorisation of Carbon, Research

# The Problem

Data sources and requirements are not aligned. “Data Walls” exists preventing accelerated delivery of Circular Economy projects. EIRAVATO breaks those barriers offering big data platform - a secure, automated data flow channels.



## Reporting

- Data Automation
- Tailored Reporting
- Multisite Data Alignment
- Compliance Reporting
- Lifecycle Mapping

## Problem Solving

- Focus on individual materials
- Lifecycle Mapping
- Solution Discovery
- Project Management
- Partnerships

## Carbon

- Valorisation of Carbon
- Carbon Analytics
- Future-proofing
- Multi-site comparison
- Audit Support

## Marketplace

- Partners Network
- Materials Sourcing
- Maximisation of Value
- Transparency and Traceability



## Initial Data Collection

Material type: Metals - Aluminium Load standard values

Category: Plastic Waste (Hard)

EWC: 15.01.04

Estimated Volume: 7000|00

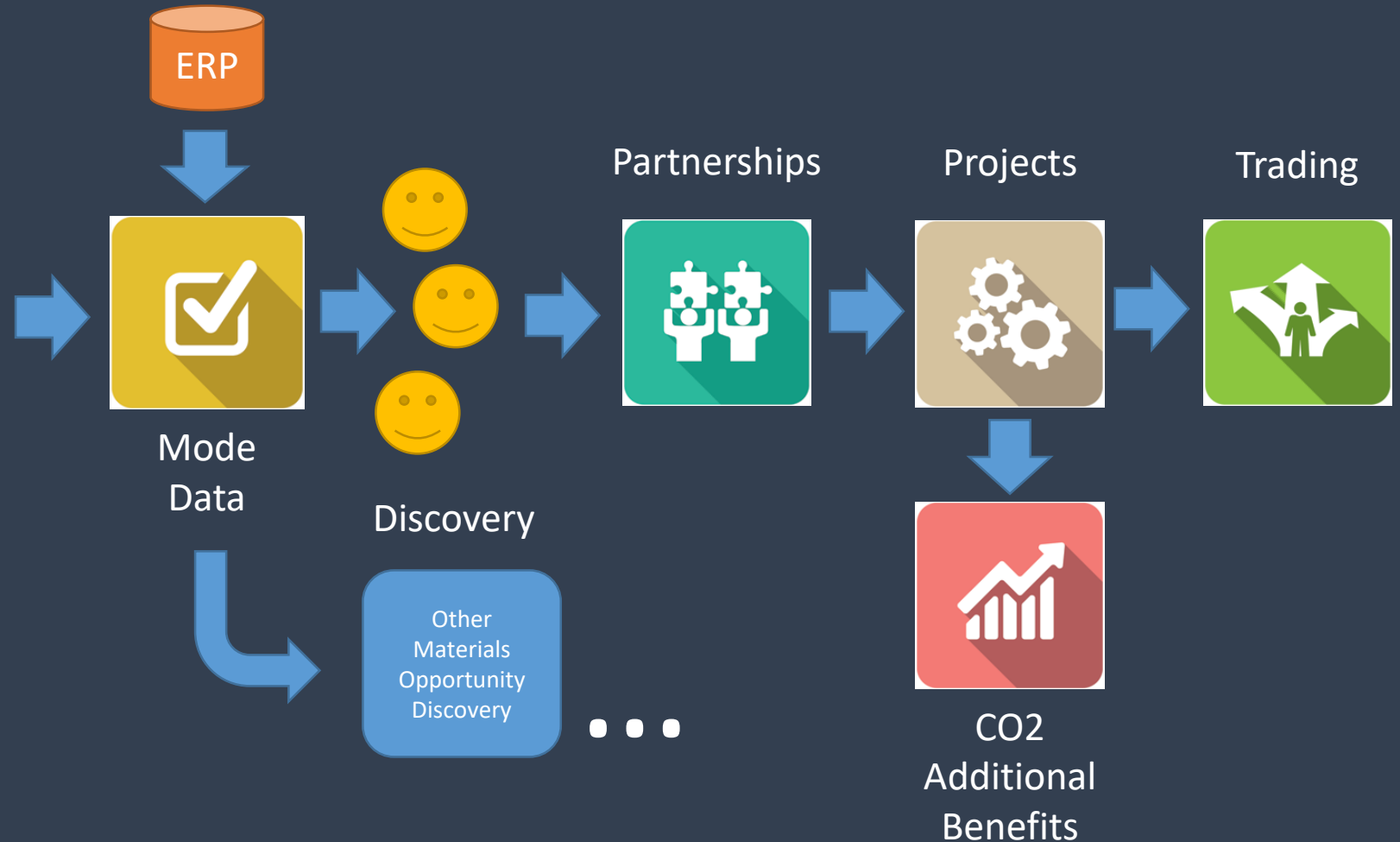
Description:

Expected Outcome: Circular Economy

Savings  Sustainability

PR & Marketing  Other

Focus on Existing Problem



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Description:

Expected Outcome: Circular Economy

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Material Digitised by its Characteristics. Lean Process Pathway Established.



Materials Enter Chute  
Contaminant Free

Contaminant Free  
Materials Captured







Pre- Dispatch Quality Controls



Advance Notice of Incoming Inventories by Material Characteristics to Partner



Full Tracking & Transport Data Impact



Circular Economy Renewed Feedstock



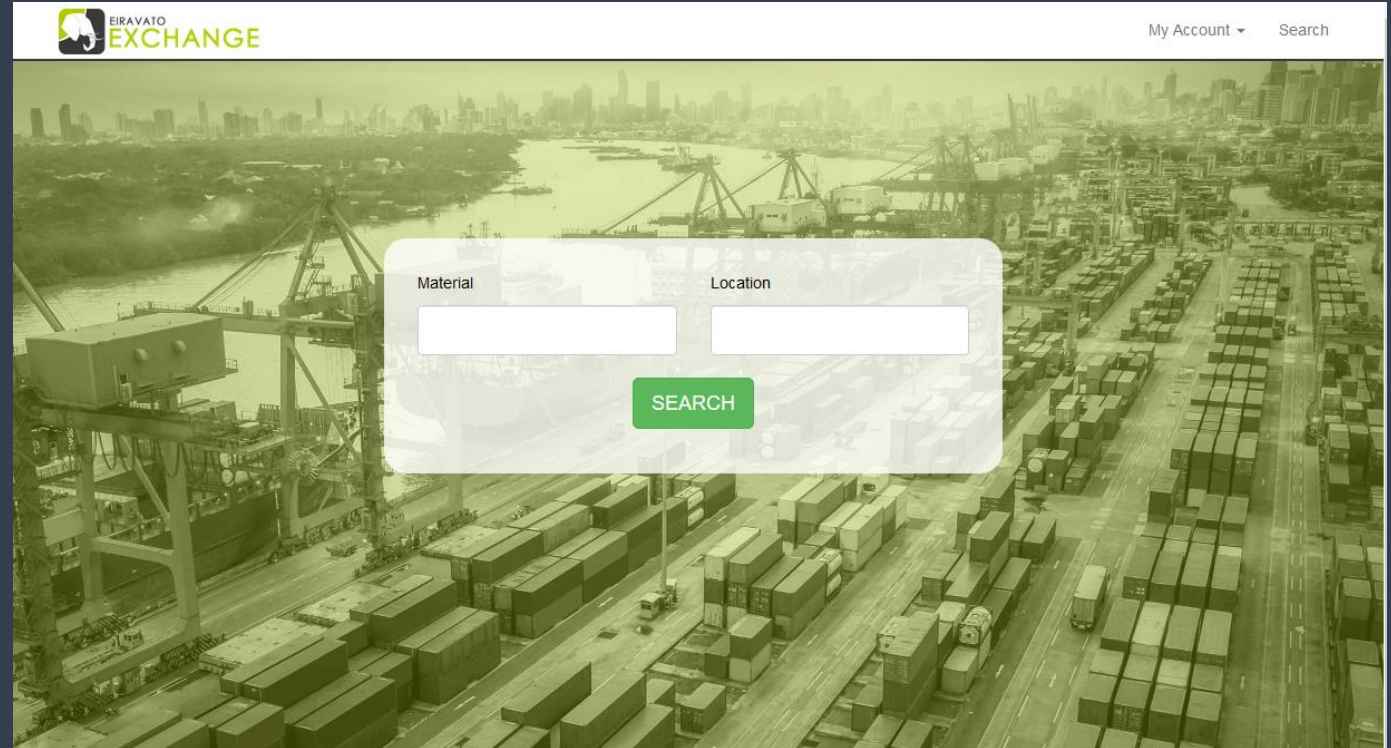
Circular Economy Product

- Transparency and Tracking
- Sustainable Story
- Data Records
- Carbon Capture
- Financial Rewards

# Marketplace



- Link with new partners
- Source Sustainable Materials
- Maximise value of materials
- Tracking and Traceability
- Transaction History
- Positive PR
- Value chain transparency



# Vision

EIRAVATO vision is to empower leading organizations to deliver ZERO WASTE economy, where waste does not exist and resources are forever traded via our Market Exchange.



**EIRAVATO**  
CIRCULAR ECONOMY DELIVERED

## CONCEPT ART Fully Traceable EIRAVATO Circular Economy



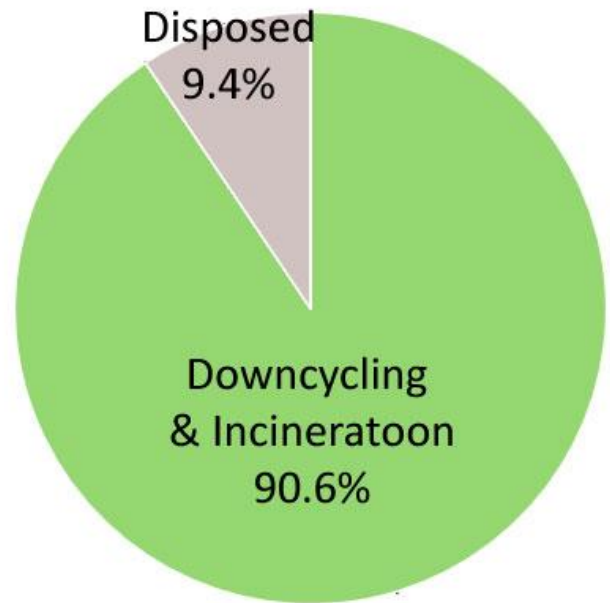
DEMO PRESENTATION



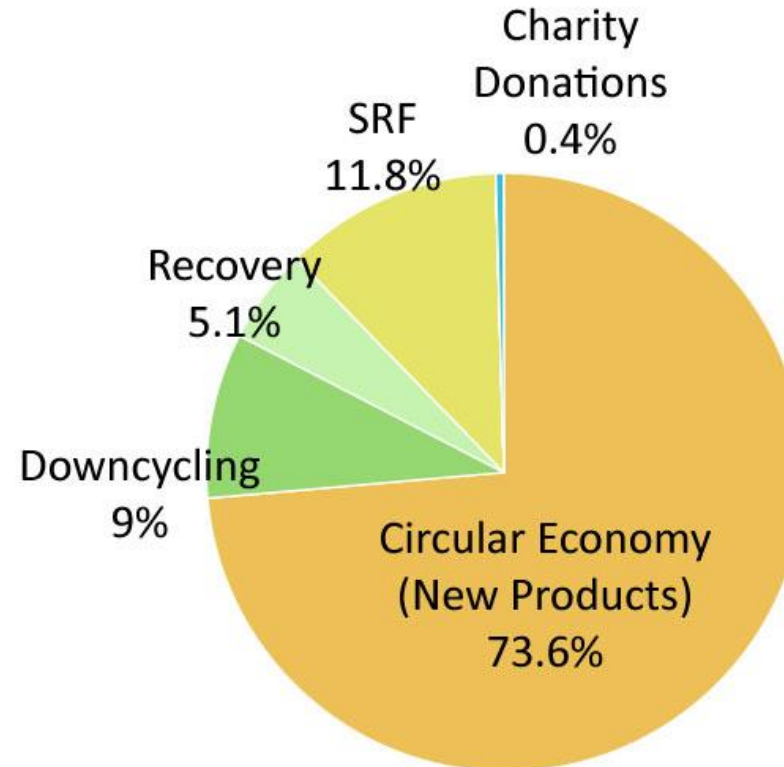
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# CASE STUDY

# EIRAVATO Transformation

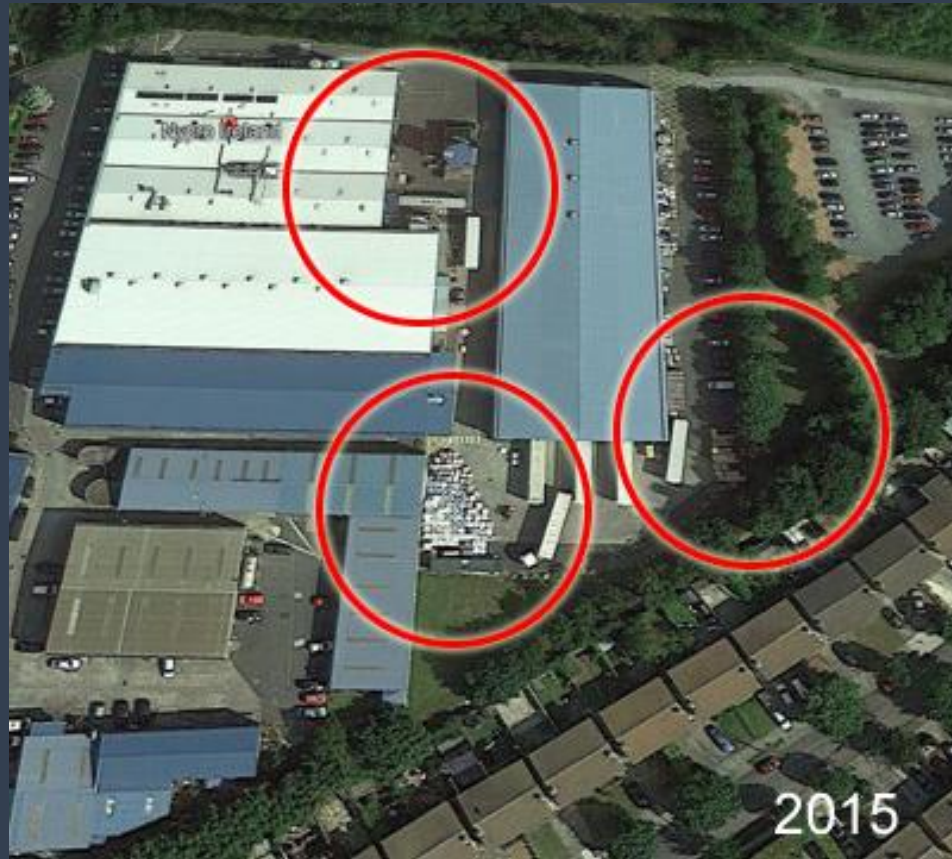


2015  
(without EIRAVATO)



2018  
(with EIRAVATO)

70% of space saving, reduced Health and Safety Risk.  
Saved space allowed to build extension to increase manufacturing capacity.



	BEFORE EIRAVATO	WITH EIRAVATO
Materials Sale Revenue	€13,000	€70,000
Waste Management Cost	(€27,000)	(€15,000)
Transport Charges	(€11,000)	0
Data Management and Compliance	(€30,000)	(€12,000)
<b>TOTAL</b>	<b>(€55,000)</b>	<b>€43,000</b>

Medical Device Contract Manufacturer site with 265 employees.



# Circular Economy – Sample Challenge

HDPE & PP  
WASTE



## Without EIRAVATO

- No tracking mechanism and poor waste data
- Lack of Waste Consistency at source
- Unpredictable Material Qualities
- Inconsistent quality of pallets

Result: Not reliable long term solution

## With EIRAVATO

- Transparent waste data
- Consistent quality of waste feedstock
- Quality control process
- Monitored multi-location sourcing
- Full transparency and traceability

Result: Reliable Plastic Pallets

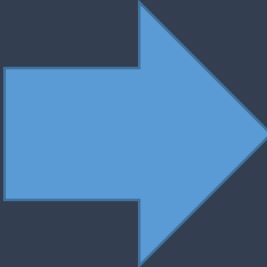
# Circular Economy – Sample Challenge

PET  
Bottles



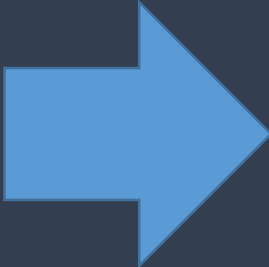
# Circular Economy – Sample Challenge

Rubber Tyres



# Circular Economy – Sample Challenge

Clothing  
Hangers





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