

Bord na Móna

bnmrecycling.ie

Case Study

Acacia
Facilities
Management



Working together with Acacia Facilities Management to make waste collection as **easy** as 1-2-3!

WHO WAS INVOLVED IN THE PROJECT?

- **Robert Murphy** - Head of Commercial Sales, Bord na Móna Recycling

WHY START ON THIS JOURNEY?

- Acacia Facilities Management is one of the leading supplier-independent outsourced Facilities Management (FM) Service providers in Ireland, providing sustainable workplace solutions for optimal facilities management.
 - The company sought to completely overhaul its waste management services and practices and looked for a unique solution to bring to their then latest client Salesforce, located in the North Dock, Dublin.
 - Bord na Móna Recycling are committed to providing the best waste management and resource recovery service possible, continually innovating to bring more sustainable waste management solutions to our partners, with our latest innovation being the **EASi-System**.
 - Designed and made in Ireland and underpinned by an unrivaled knowledge of solving waste issues in the Irish market the EASi-System is an innovative mini compactor which uses the patented EASi-Bag, the world's first operational recyclable polypropylene bag.
 - The system is a cost effective and economical solution that would allow Acacia Facilities Management to provide a cleaner, smaller, neater and more sustainable and cost-effective waste environment compared to regular compactors or bin collection services.
- A strategically selected area was chosen to house the EASi System within the salesforce building. It's small nature allowed it to fit in a tight location which had no commercial value. This space saving feature provided Acacia with a substantial amount of extra space to be used for commercial enterprise than a larger waste room would have allowed.
 - With 2 and 2.5 cubic metre bag sizes the EASi-Bag's large capacity dramatically reduced the waste collection frequency at the Salesforce building. General Waste & Dry Mixed Recycling bags are collected at the one time, avoiding the need for multiple bins, collections, and odour offensive bin trucks on site. This feature has helped to avoid disruption and the building appearing aesthetically displeasing.
 - On-site collections were quicker and this in turn reduced the collection time spent on-site and the labour costs associated with the manual transportation of waste.
 - The hydrophobic nature of the the EASi bag ensured that smells were contained and helped prevent spillages usually associated with bins, making it a more hygienic way to manage commercial waste for Acacia.

KEY RESULTS

- All cardboard and plastic generated are **100%** recycled.
- As the EASi-Bag is made with recycled polypropelene it is fully sustainable and traceable.
- This blockchain created a transparent and immutable audit trail, which helped Acacia reach its sustainability goals.
- An average collection with the EASi system saved Acacia the carbon equivalent of 150,000 slices of burnt toast!
- Carbon footprint was reduced in excess of **94.55%**
- Collections were required **60% less** frequently that traditional services.

WHAT'S NEXT?

- Bord na Móna and Acacia will continue to work together to bring innovative waste solution to new developments.
- Quarterly reviews will be conducted to set track progress, improve collection schedules and identify areas for improvement.
- By implementing these waste management practices and taking control of their waste by introducing the most sustainable, low maintenance and clean system available Acacia will continue to lower energy consumption, reduce collections, save space and further protect the environment



EASi – An environmentally sustainable waste management system. This compact compactor is just the size of half a car parking space.



The EASi collection bags are odourless and store the equivalent of ten large wheelie bins.

INITIATIVES FOR CHANGE

A number of new initiatives were implemented;

- Firstly an in-depth waste audit was conducted to understand the types and predicted volumes of waste generated at the Salesforce building and their cost.
- A cost benefit analysis was conducted to explore the costs associated with housing multiple waste rooms in the building including maintenance, labour and upkeep fees against the cost of the installation and use of the EASi system.