

GREEN APPLE AWARDS FOR ENVIRONMENTAL BEST PRACTICE

SUBMISSION BY THE FLOORBRITE GROUP - 2022

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Section 1

Project Title – Waste Management innovation & increasing sustainability awareness at TIP Trailers UK locations

Submitted in the category for - Both

Section 2 – Sectors and Categories

Commerce and Industry Sector – Service Industries

Green Practices Sector – Wastes Management

Section 3

Has this project ever been nominated previously for a green apple award? Yes

Section 4 - Project Aim

The Floorbrite Group have been providing waste services at TIP Trailers at Head Office site since September 2016. TIP Trailers services provides all the value-added solutions regarding transportation and logistics in Europe. Our bespoke Waste & Environmental Management Service was introduced and rolled out across the now 27 sites across the UK in Jan 2017. We offered a direct tailored alternative to waste removal and recycling services.

In December 2016 our Waste & Environmental Consultant, Trudie Williams, who is an ISO 14,001 Lead Auditor and WAMITAB accredited, met with TIP Trailers Head Office and discussed the variable waste solutions. Our ideas fitted perfectly with their company objectives to increase office recycling and fall in line with the company's corporate and social responsibility.

In becoming a responsible supplier and by diverting a higher percentage of waste to recycling means, TIP Trailers' focus switched to view the waste produced on site in Trafford Park. Trudie was able to help the management team outline their aims to reduce their carbon footprint helping them to achieve their sustainability goals, reduce costs, increase recycling and reduce landfill.

Floorbrite's aims were to reduce waste removal costs, encourage increased recycling, achieve zero landfill, introduce full segregation of waste streams, recover energy from waste. Get buy in from management and staff to increase recycling, fully train staff, reduce overflowing containers and handle waste in the correct way. Finally, by working closely with TIP Trailers staff and management we have created a powerful case study to target other logistic companies to reduce their waste to landfill.

Section 5 - Project Achievement

Our achievements have certainly helped the environment by reducing Co2 and transport (road mileage) to and around TIP Trailers UK sites and neighbourhood in the form of waste vehicles. The reduction in waste pickups has in turn reduced transport costs. Movement of waste on site has reduced due to the reorganisation of waste disposal and recycling points and the in-turn reduction in the total amount of waste produced. We have introduced the separate removal of Mixed Recycling and diverted the General Waste to waste to energy, increased the amount of paper waste removed for recycling, increased the amount of wood waste, ensuring that each waste stream had a sustainable collection and disposal method. By adding a workshop waste service, workshop waste detailed below which has reduced the staff time in sorting this waste for safe disposal and diverting this waste from previously contamination of the general waste skip and hazardous landfill to reuse. Adding the below waste containers to increase segregation in the workshops.

Oily Rags/Sealants/Drummed Oil/Grease Cartridges/Thinners/Paint contaminated waste/Aerosols/Filters/Gloves/Spent Aerosols. We have also installed parts washer in all the trailer locations to clean and remove the oil from all used parts, this in turn is recovered for reuse. Interceptor fluid also form parts of the service, this waste is removed by tanker and cleaned and reused.

By educating the management team and staff they have become passionate about recycling. There is a real "Feel good factor" proved by Trudie's reports and this has also inspired staff to take what they have learned home and become greener individuals. There is a definite change in staff culture with all looking at ways to make other waste reductions.

With Floorbrite's recommendations, TIP Trailers have invested more in their onsite segregation process and promoted their achievements to their supply chain, inspiring

their staff to carry out more recycling.

By breaking down the waste into individual waste streams, Trudie's waste and environmental reports give a clearer picture of the waste that is recorded. There is greater control over disposal costs and control of the waste visits on site.

TIP Trailers UK Sites are very proud that the introduction of Floorbrite's new systems with the co-operation of the whole of the TIP Trailers team have achieved zero to landfill.

Section 6

What did the project involve doing?

Site Audit/ UK Site visits

Visit to site 2 x per week during implementation process

Ongoing visits with the Operations Manager

Special cleaning of outside areas

Movement of all existing containers

Placement of workshop waste

containers and signage

Re-Placement of skips

Change of containers (External)

Decrease in collection frequencies

Provision and installation of signage

Options of internal recycling containers

Installation of Parts Washer on the sites

for cleaning the metal components

Managing the removal of existing containers

Training and education during regular 12 monthly visits

Negotiating new waste contractors and contracts

Arrange new delivery and collection process

Control of all Compliant documentation

Renegotiate year on year with all suppliers

Why did you do it

In becoming a responsible supplier and increase their focus on recycling, TIP Trailers UK Sites wanted to also focus on how their own waste production was dealt with on each site across the UK. From the original 11 sites TIP Trailers have continued to grow within their market sector, we have been fortunate to work with them through this growth period and added 16 further locations across the UK, all of which will benefit from the project of waste reduction.

What did it cost and where did the money come from?

The money for the project came from the existing annual Budget for waste management, but by reducing waste transport costs by 7% the costs for reorganising the process became cost neutral.

If quantifiable what did the project achieve in terms of sustainability, development, economy, environment and equity.

All TIP Trailers staff, management and customers have been educated about the benefits of recycling with a change in culture by seeing the achievements unfold. All staff are enthusiastic about promoting their success and their green credentials with the ability to become attractive to PLC Companies and their own KPIs.

The local community have benefitted from a reduction in traffic. TIP Trailers UK have benefited from transport saving and will benefit from further investment and savings.

Floorbrite have reduced skip collections per annum from 80 to 34 and increased recycling from 8% to 85%. and still increasing.

In achieving zero to landfill, since 2016, TIP Trailers diverted 53,835 kilos of waste from landfill, saved 92 trees from destruction and the equivalent to 5065 kg of Co2. With the total of waste diverted from landfill has continued to increase across the sites, month on month. With the workshop waste diverting a further 18,098 kg in the first quarter of 2022, achieving landfill diversion of a further 18098 kg, saving a further 307 trees, equivalent to 396.16 kg Co2.

Longer term benefits

As TIP Trailers are the leading edge in logistics and are embarking on further accreditations within the business and with their own waste management achievements, their credibility in this area will increase. As TIP Trailers own customers become more aware of the achievement and of their own responsibility to achieve sustainability goals, with a trusted track record they will be able to encourage and inspire customers to follow suit.

The story does not stop with what Floorbrite have achieved so far. We have inspired the TIP Trailer Sites to look at additional recycling innovations and make further investment in containers and signage to increase recycling in other areas. E.g., Floorbrite have changed the method of disposal and storage of Trailer Curtains on site and divert this waste from Landfill to reuse method. With these curtains weighing 250 kilos approx. this can reduce disposal costs and divert this waste away from the unsustainable landfill option to a reuse product. Floorbrite have introduced a reuse option for this material, where the trailer curtains are reused into shelters for farmland and used in humanitarian projects as roofing material for temporary housing.

Was there anything innovative about the project?

Introduction of correct size containers to reduce collections on site
Introduction of storage methods, reducing costs of transport visits
Innovative options for the movement of Trailer Curtains
Place signage and containers in the correct locations for the workshop waste to be sorted correctly

Can other organisations benefit from implementing your methods?

Yes

Logistic companies could benefit from this method.

Transport companies could benefit

Companies that have multiple skips or bin collections weekly would benefit from the introduction of a monitoring the weight and control of collections on site

Review each waste streams to find innovative options of disposal

What did you learn from the project and are you planning any further development?

Further development for the reduction of metal waste on site.

Further development for the segregation of Pallet waste recycling on site.

Carry out regular review meetings and site visits to help achieve consistent reduction on site

Awards Gained

2015 Bronze Green Apple Award – for the built Environment for improving environmental awareness

2015 Golden Service Awards x 2 (manufacturing and Hospitality)

2015 Silver Green Apple Award – Estate Management

2016 ROSPA Gold

2016 Gold Green Apple Award – Service Industries

2016 Green World Ambassador Award

2017 Silver Green Apple Award – Waste Management

2017 Green World Ambassador Award

2017 ROSPA Gold

2018 Golden Service Award [Environmental Innovation]

2018 Golden Service Award [Environmental Innovation]

2018 Green Apple Award – Waste Management

2018 Green Ambassador Award – Turkey

2019 Green Ambassador Award - Vietnam

2019 Environmental Awareness

2019 Best in Fields – Waste Management

2020 Environmental Awareness

2021 Environmental Awareness

2021 Green World Ambassador

2022 Green World Ambassador

Enforcement action

NO

Case Study

We specialise in trailer leasing, rental, maintenance and repair, as well as value added services and provide these to transportation and logistics customers.

TIP Trailers is a leading equipment service provider. With years of experience, we are experts in providing all services that a customer will require during the life cycle of a trailer, tanker or other type of equipment, making us a one-stop shop for all our customers' equipment needs.

As a customer of TIP, you need only to deal with one service partner, simplifying your fleet management and enabling you to focus on your core business activities. We are a pan European provider of these services and work independently from equipment manufacturers and banks, and that allows us to find the best possible solution to any transport-related need you may have.

Headquartered in Amsterdam, we service our customers from 102 locations spread over 17 countries in Europe and North America.

We apply high environmental and social standards to our business to support a sustainable future."

In our view, being economically successful and internationally competitive generates value for our shareholder, customers and society at large. We apply high environmental and social standards to our business to support a sustainable future.

We recognise that we have a duty to our stakeholders to be a reliable partner with the highest integrity and ethics. We engage with and learn from others through open dialogue on mutual interests.

Aiming for zero waste to landfill

TIP Trailers invested time in partnership with The Floorbrite Group in the recycling system to reduce landfill waste. Floorbrite have introduced recycling facilities for the separate collection of confidential paper waste, paper, cardboard packaging, wood, metals, plastics and organic, hazardous waste. The prevention, re-use and recycling measures introduced by Floorbrite have reduced the amount of residual waste it produces by 55%. With the introduction by Floorbrite of the correct size and type of containers, we have been able to reduce the collection of waste across the locations. This helps reduce movement on site, cut down on road traffic in the surrounding housing estate and reduce road mileage and CO₂.

Diverting Recycling waste.

The introduction by Floorbrite of Internal Recycling Containers in offices and external areas, has diverted all recyclable waste into the external bins.

Recovering other value

Since Jan 2017, recyclable waste has been collected weekly and sent to a sorting plant to be recycled. All workshop waste has been segregated and sent for reuse instead of landfill or incineration. Trailers curtains are now recyclable and not landfilled. Adding the below waste containers to increase segregation in the workshops. Oily Rags/Sealants/Drummed Oil/Grease Cartridges/Thinners/Paint contaminated waste/Aerosols/Filters/Gloves/Spent Aerosols/Interceptor Waste. We have also installed parts washer in all the trailer locations to clean and remove the oil from all used parts, this in turn is recovered for reuse. Interceptor fluid also forms part of the service, this waste is removed by tanker and cleaned and reused.

Enabling re-use

As part of Floorbrite's objective to decrease the amount of waste produced on site, recycling containers have been introduced and has increased paper re-use, paper waste is sent for off-site and 100% recycled. All cardboard waste is now separated and sent for recycling. By the introduction of segregation of all mixed recyclable waste, Floorbrite have used a separate container for disposal via a recycling method on site. This has reduced collection of the waste considerably. All of this waste is removed and sent to a recycling facility which recovers 98% of the waste and the balance of 2% is used in waste to energy. This has achieved Zero Landfill for TIP Trailers Sites and has also seen a reduction in waste by 55%.

Maximising opportunities for recycling

We have set targets to increase the amount of waste it recycles. General Waste is a major waste item and TIP Trailers aims to reduce the amount it needs to dispose of by encouraging suppliers to: Optimise packaging to prevent excess; and use re-usable containers. Any cardboard that cannot be re-used is recycled.

Using the larger container means fewer visits from recycling contractors to collect the waste and less space is taken up by waste awaiting collection also improving site health and safety.

Continued opportunities

Floorbrite are now looking into reducing General waste collections, by increasing segregation and removal methods on site. Which will further reduce the collection frequencies of the General skip.

Communicating with Staff and Management

Following initial discussions with Floorbrite, TIP Trailers aspired' of achieving Zero Landfill. Floorbrite have been able to reduce waste disposal costs, which has inspired the Management and Staff into looking at how the saving can be reinvested in ways of recycling more within the business. Working together with staff, the Floorbrite team have visited site to carry out training with staff and fully audit the areas of concern to ensure initial targets are being met.

Floorbrite trained on site staff and placed signage to help them understand where items go to be recycled. Train operatives on the movement of waste, type of waste, container and bags required. Quarterly waste reports are provided enabling the Management to see the improvement and the weight of each collection and share this with staff to motivate and keep the momentum. Only by measuring the waste can consistent improvement be made.

TIP Trailers sites have been able to inspire their supply chain with the good news waste story so far challenging them to make changes.

Notes to enclose

Waste Data Q1 2022

Environmental Report/as above

Certificate