Wastage Material Saved and Re- Used

Jake Goodwin | 28 Mar 2025 | ID454

Idea of the Month Competition Nominees

Closed with success by Jake Goodwin

Approver: Jake Goodwin
Implementation coordinator: Jake Goodwin
Plan: Quick Wins
Classes: Efficiency + Health & Safety + Quality

Problem, context, environment, status

Old ship to Shore System had Tray Over public footpath which would be washed But all Material would be lost as having no means to Capture Excess material from Conveyor< Due to Certain Cargoes coming into Angerstein being very sticky and not being captured by the scrapper.

Description of the initiative

We Designed New Tray set up with a return Plastic pipe Due to its Lightweight, Also Harsh Marine environment Steel would not sustain its life in a couple of years to come due to corrosion. We then Designed a designated Concrete bay below to capture all this washed down material also capable of taking the width of our on site loading shovels to then put this back onto the BAD material to then Process.

Expected benefits

Capture of previous material for the last 20+ years would have been lost, Now we can capture all material coming in by Ship and this can also then be processed as it would normally, Washing can also be done any time of the day reducing overtime payments to be done on weekends or out of hours.

Resources: Washed material from Tray

Washed material from Tray

Financial analysis

Title	Impact distributed over time	Forecast amount
Cost of BAD £14 Per Tonne, Overtime Payments, Lost revenue in potential Sales Saving on BAD @ 15T Per week washed down BAD cost £14 Per tonne Saving of £10,710 15T Per Week X51 Weeks = 765T of BAD saved Per annum 765T X £20.70 Average selling price = Sales gained by £15,835.50 Overtime Saving 2 People Average around £2000-£2500 Per Annum.	01-01-2025 – 31-12-2025	£28,585.5
Global amount		**£28,585.5**

Jake Goodwin – 28 Mar 2025

Self closing safety gate

Steve Batty | 24 Mar 2025 | ID453

Idea of the Month Competition Nominees

Closed with success by Steve Batty

Approver: Steve Batty
Implementation coordinator: Steve Batty
Plan: Quick Wins
Class: Health & Safety

Problem, context, environment, status

We have five Pedestrian walkway self closing safety gates that do not self close any more.

Description of the initiative

After one was picked up again on a H&S Inspection action was required.
Source a cheaper way for the self closing of the gate.

Expected benefits

Like for like safety gate £487 x 5 = £2435.
Door closer I found on internet £10 x 5 = £50.

Financial analysis

Title	Impact distributed over time	Forecast amount
Cheap and works well Saved £2385	24-03-2025	£2,385.0
Global amount		**£2,385.0**

Mount door closer as picture at the top. Took five minutes to fit.

Steve Batty – 24 Mar 2025

Increase efficacy of WheelWash Unit and drastically reduce operating cost.

Adam Bradbury | 14 Mar 2025 | ID452

Idea of the Month Competition Nominees

Closed with success by Adam Bradbury

Approver: Adam Bradbury
Implementation coordinator: Adam Bradbury
Plan: Quick Wins
Classes: Commercial + Customer Centricity + Efficiency + Environmental + Health & Safety + Waiting + Water Management

Problem, context, environment, status

Installed Wheelwash fed only by small domestic water feed. After 3 vehicles the tank is empty and requires 40 minutes to fill for next vehicles. This holds up Landfill traffic and has high cost to the business in fresh water costs. It is a planning and Environmental Permit requirement to operate a Wheelwash.

Description of the initiative

Install a submersible pump and pipework in adjacent water lagoon to increase water feed and volume. Isolate domestic feed for use in emergencies only. Increase H&S by removing slip hazard from Landfill waste on concrete and public highway.

Expected benefits

Large increase in volume fed to unit to prevent tank emptying during operation, allow site to operate within permit and reduction in cost using lagoon water rather than paid domestic feed.

Financial analysis

Title	Impact distributed over time	Forecast amount
Electricity Cost of pump per annum Calculated on 7 hours a day for 240 working days on sites current electricity cost	01-01-2025 – 31-12-2025	-£919.2
reduction in cost of fresh water use per year. Fresh water use calculated on average vehicle movements per 5 day working week.	01-01-2025 – 31-12-2025	£84,240.0
Purchae of pump and associated pipework installation Includes pump, pipework, floatation and electrical work to install.	12-03-2025	-£4,611.2
Total cost amount		-£5,530.4
Total gain amount		£84,240.0
Global amount		**£78,709.6**

Title	Impact distributed over time	Forecast amount
Benefit-Cost Ratio		15.2

Adam Bradbury – 14 Mar 2025