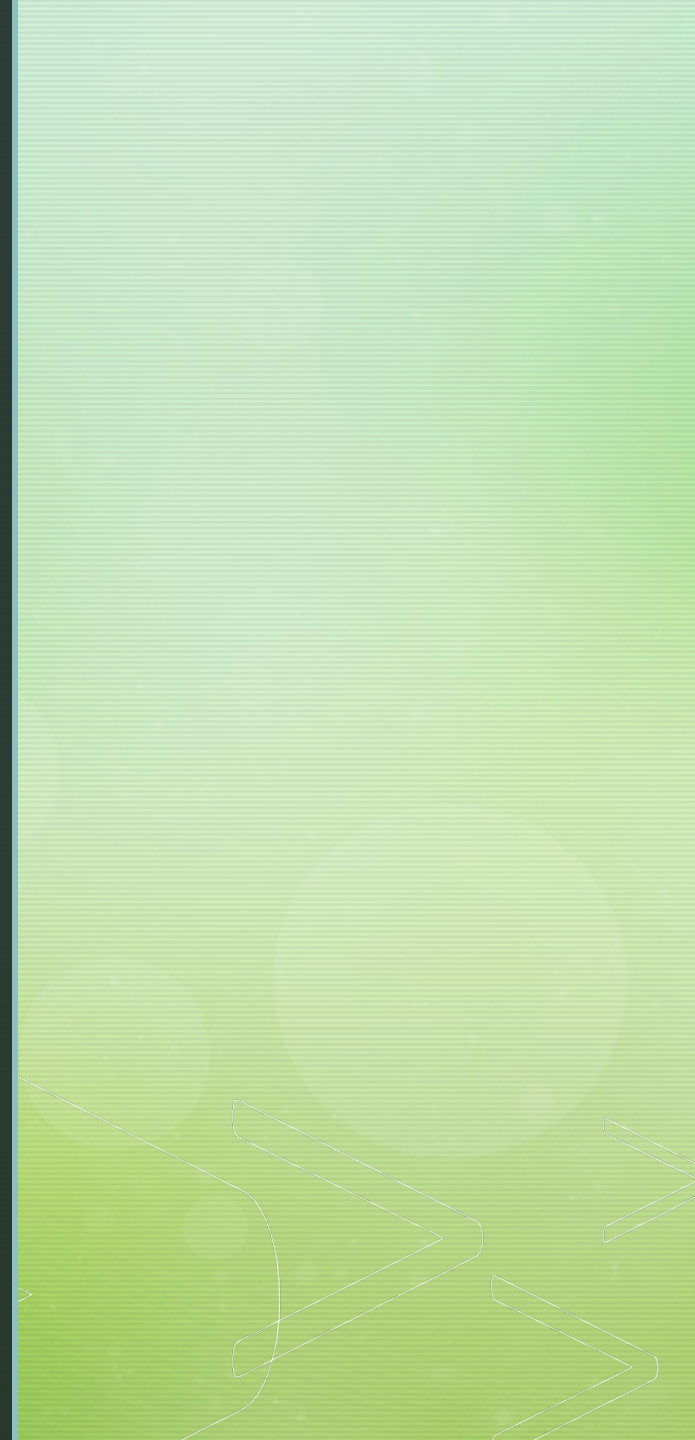


Black Belt Project
Reduce
or
Eliminate
Single-use Plastic
in
Burgmann Packings






**THE PLASTIC
YOU USE
ONCE
TORTURES
THE OCEANS
FOREVER**



Facts

The ocean covers more than 70% of our planet

It's our most valuable resource: helping to feed the world, create jobs, govern weather and keep our air clean. 

The oceans are also home to microscopic algae, the gigantic blue whale and hundreds of other species we have yet to discover.

Each year eight million metric tons of [plastic pollution](#) ends up in the ocean. Essentially, humans are emptying a garbage truck of plastic into the ocean every minute

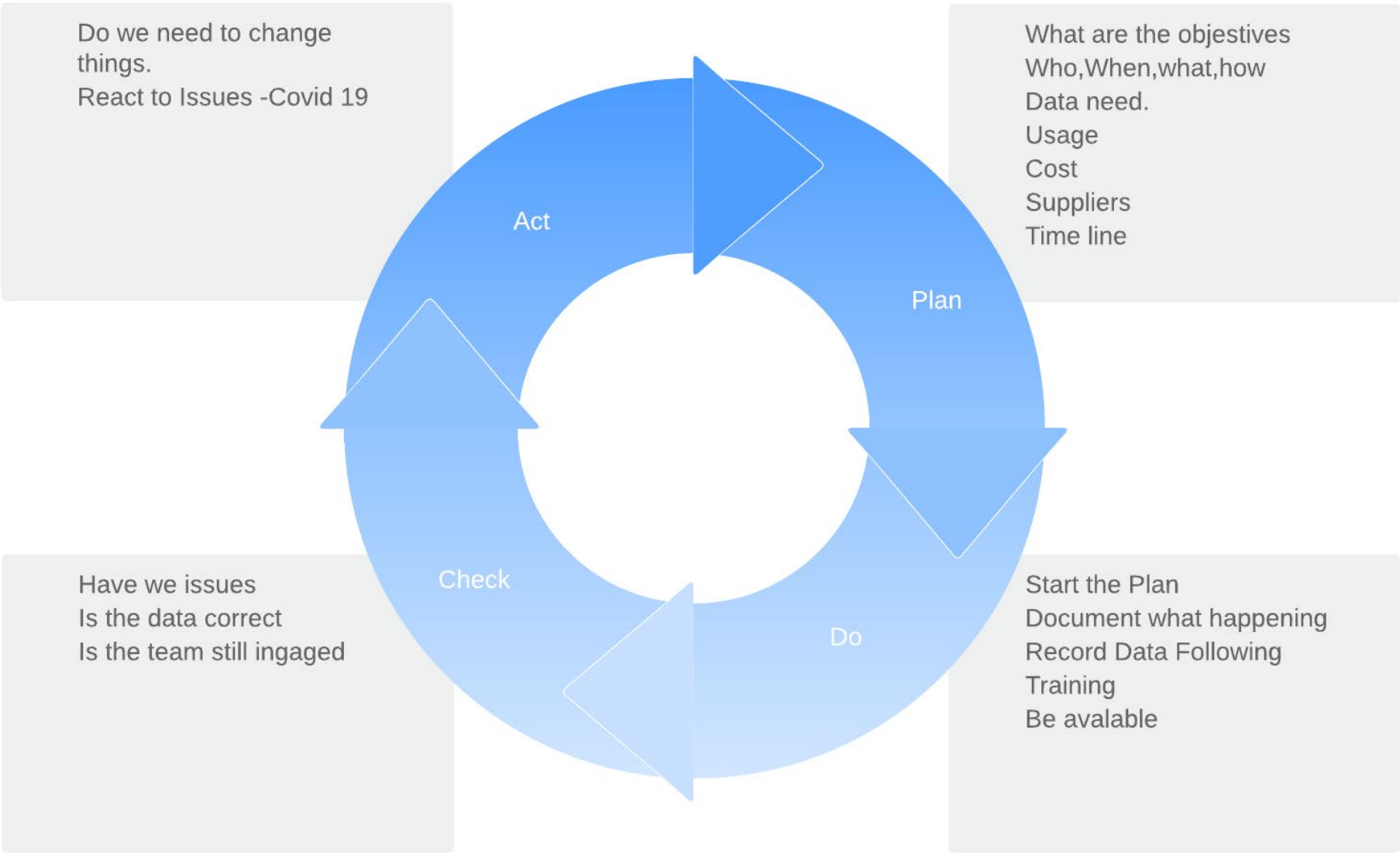
Burgmann Packings

Lead the charge in the War against plastic

Our Commitment : We pledge to use less plastic and recycle more across our businesses and inspire others to do the same.

▶ We here at Burgmann Packings take our environmental responsibilities very seriously. By the end of 2020 we intend to phase out all single use plastic across all our manufacturing sites. Working in close contact with all our partners, Burgmann Packings has defined a roadmap for the removal of all single use plastic. These new global efforts help reduce our environmental footprint, and advance our long-term sustainability goals.





S.M.A.R.T

Specific	<ul style="list-style-type: none">• To reduce and eliminate plastic and single plastic use effectively• To locate recycling activities for the reduction of plastic use• To use cardboard boxes for packaging
Measurable	<ul style="list-style-type: none">• To phase out single use plastic across all of their manufacturing sites• To find ways in the measurement of the effectiveness of reducing plastic usage for the packing process
Achievable	<ul style="list-style-type: none">• To work with potential member to effectively mitigate the effects of plastic hereby improving the environment effectively• To work in close partnership with the partners of the packing company effectively
Relevance	<ul style="list-style-type: none">• To check usage of plastic in all processes• Collecting purchases of plastic products
Timeframe	<ul style="list-style-type: none">• To change plastic organizer to metal• To organize training for zero plastic use applicable to all staff

Plastic Packaging Task Force

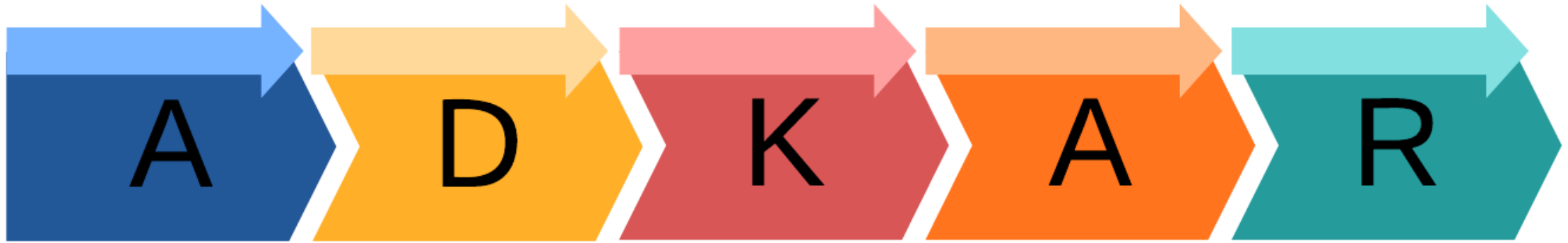
3 Teams Ireland/China/Turkey

BPI

BPT

BPC

Project Lead: John Monaghan



Awareness

- Announce the change to employees well ahead of time.
- Explain your reasoning behind the change, including current pain points and potential ROI of the new solution.
- Give employees an opportunity to ask questions and make suggestions.

Desire

- Gauge employees' reactions to the change.
- Identify champions.
- If employees are resistant or indifferent, address their concerns or show them how the change benefits them personally.

Knowledge

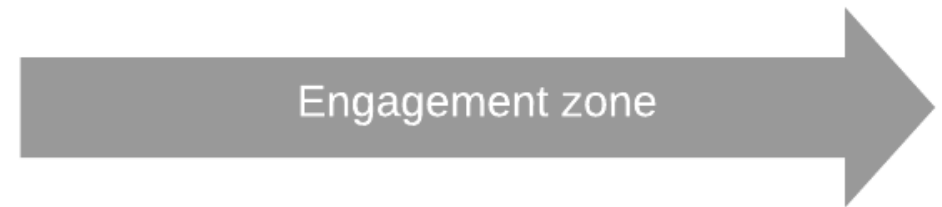
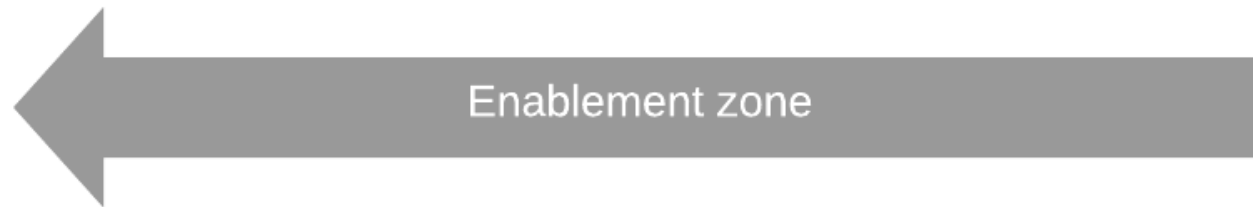
- Provide training or coaching to show what employees need to do after the change takes place.
- Address any skill gaps.
- Offer resources, such as process flowcharts, that employees can reference later on.

Ability

- Schedule practice runs before the change is fully implemented.
- Monitor performance immediately following the change and provide constructive feedback.
- Set reasonable goals and metrics at the start.
- Adjust processes as necessary.

Reinforcement

- Monitor the change over time to ensure it fulfills your desired outcome.
- Use positive feedback, rewards, and recognition to encourage employees to keep following the new process.



Phase 1

Internal Audit was done on All Plastic used on the 3 sites.

A,B,C analysis was completed

A=Easy to replace

B= Can be done but will take a little longer

C= Will take some time and there are cost.

ACTIONS

COLLECT PURCHASES OF PLASTIC PRODUCTS
CHECKING THE USAGE OF PLASTICS IN ALL
PROCESSES AND TAKE PHOTOS.

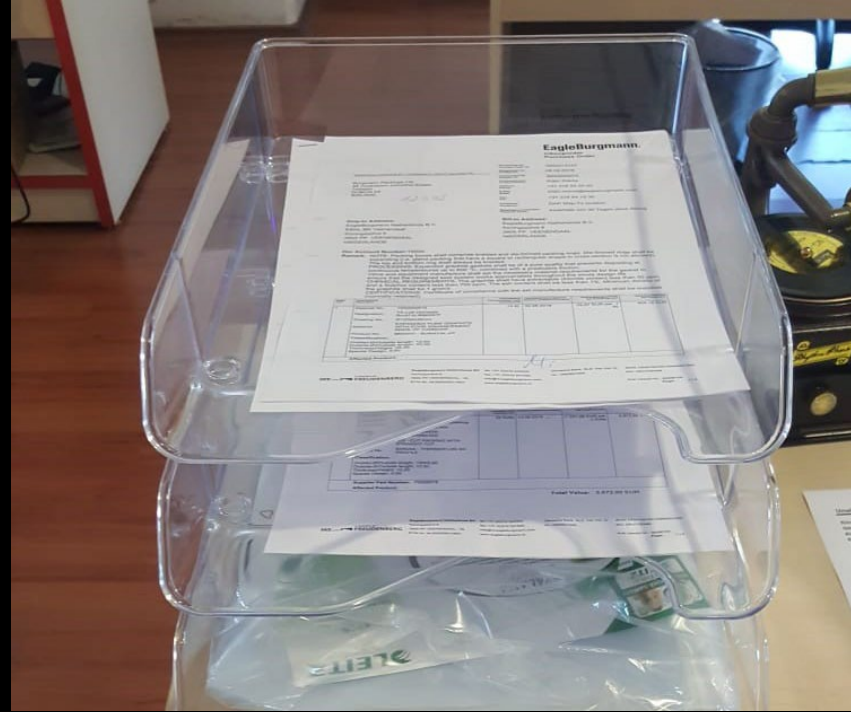
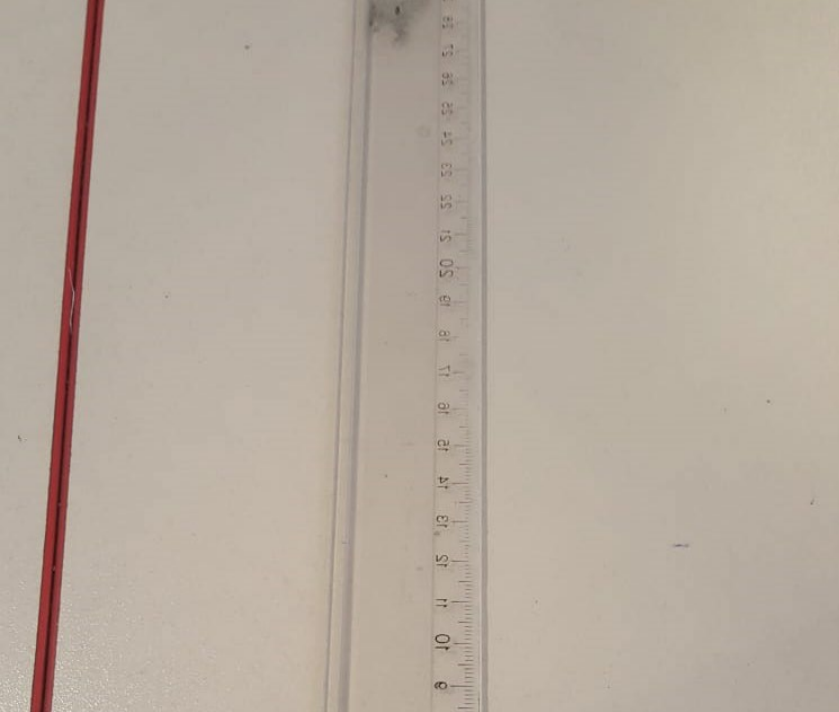
CLASSIFY PHOTOS

MAKE REPORT

TAKE ACTION

Group A Plastic

Easy to Replace



GROUP B PLASTICS

Can be done but will take longer



GROUP C PLASTICS

**Will take Some Time and
there is a Cost**



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Packaging film and clips

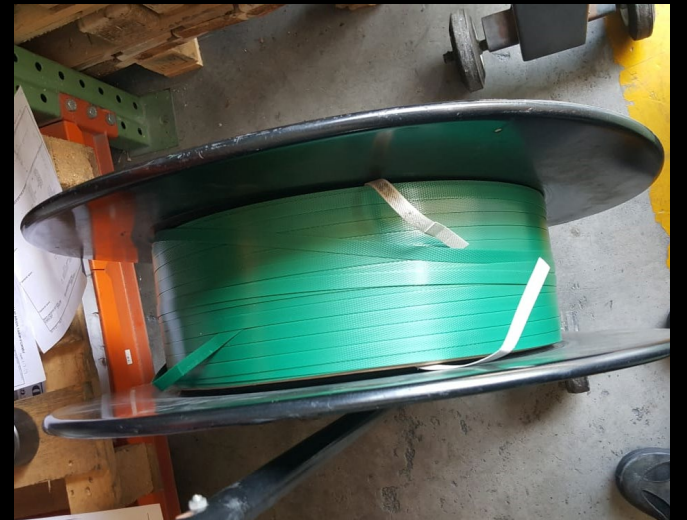


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2019-07-18 09:58

Packaging film and shell-shipment



Gloves

Latex V Reusable

125,000 pairs used each year in the 3 sites

All 3 sites against the Reusable Gloves

Change to Bio-degradable gloves

Cheaper for china to buy for the group





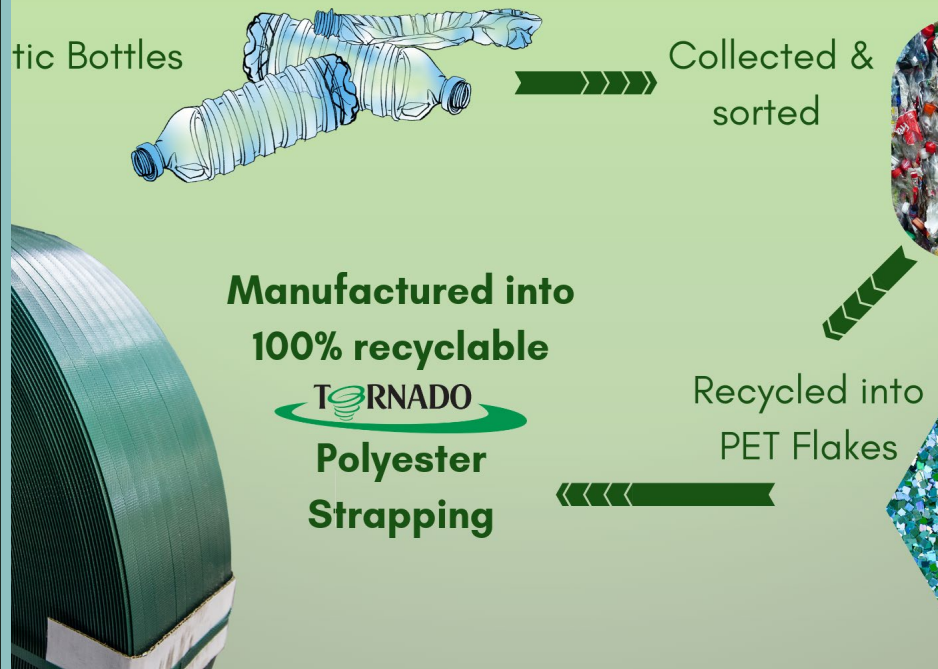
Pallet Wrap

Biggest issue in the factories

Usage 3500kgs per year

Cost varies across the group

**Turkey have an issue with
supply of Bio-degradable
product**



PALLET STRAPPING

1600kgs used across the Group

All sites are already Using Recycling material

Supplier's do not recommend the use of Bio-degradable due to tensile strength

Supplier Issues

Little or no Bio-Degradable products to be found in Turkey

Prices in China much cheaper than Ireland, even with a Landed Cost

Jason in China along with John M have found suppliers to cover all C products

China to buy most of the products for the group

Imports from China to Turkey can cause problems, so goods will ship to Ireland and we will forward direct to Turkey



ACTION PLAN



ORGANIZING TRAINING ON ZERO PLASTIC FOR ALL STAFF



CREATING A PLATFORM FOR EVERY STAFF TO PROVIDE SUGGESTIONS



MAKING IT A PRACTICE TO SUBSTITUTE ALTERNATIVE MATERIALS FOR PLASTIC

Phase 2

“Plastic awareness day” 2/3 Day Kaizen event

A+B Products will be phased out by the end of March 2020

**C products to be phased out by January 2021.
Priority for Management to review**

Burgmann Packings



**ÖNERİ KUTUSU
SUGGESTION BOX**

SUGGESTION BOX

**Do we need plastic bags in the bins?
15,000 bags used each year**

**Replace drinking fountains with
Purifier**

Replace Air Bubble packing with Paper

ISO14001 Environment Certification

How many offices in the Burgmann Group has bins under their Tables with a plastic bag in it??? Ever ask yourself why do we use a Bag in the Bin??

[Ban the Bags](#)



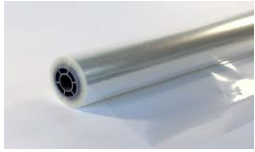






We don't need plastic bags or biodegradable bags in our bins

By the end of July

[Ban the Bags](#)

Be part of the solution, not part of the pollution.



				Single Use	Bio Degradable	Re Cycleable	
		Description	Picture	Qty			
	Production	Cellophane wrapping		1000kgs	500kgs		Use Paper packing were possible
		Bin bags / Liner		375kgs			Gone
		Latex gloves		400kgs	400kgs		
		Standard plastic ziplock bag		82kgs	82kgs		
		Warehouse	Standard adhesive tape		555kgs		
	Plastic strapping			1600kgs		1600kgs	
	Shrink wrap			3500kgs	3500kgs		
				7512kgs	4482kgs	1600kgs	

Conclusion

Re: The Employees within the Company

They have firsthand knowledge of Lean tools, better awareness on how to bring about improvements

Participated as part of a Lean project Team

Understanding of the Principles and Benefits that Lean offers

Had a Lean Mentor to Guide them through the project

By making mistakes, review the process they followed up with the solutions



