

**Problem Statement**

- ❖ The facility shreds recyclable material and extracts 30%-40% more fluff into the Z-Box.
- ❖ The increase of fluff upstream means the current Traffic Control Plan will need to be reevaluated for its efficiency and effectiveness.

**Project Purpose**

- ❖ To deliver a Traffic Control Plan for trucks transporting “fluff” out of the facility.
- ❖ Determination of dimensions and placement of two non permanent walls for the storage shed which will hold fluff removed by the Z-Box.

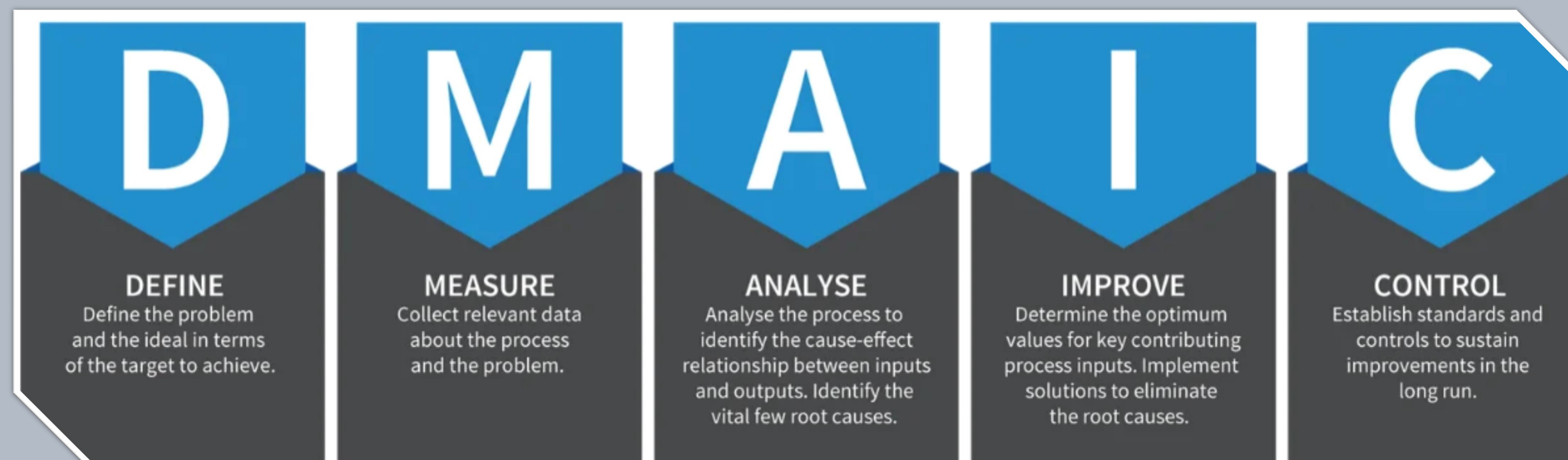
**Project Objectives**

- ❖ Create a Traffic Control Pattern for Semi-Trucks
- ❖ Determine the dimensions of the “fluff” storage shed

**Metrics**

<b>Metric: Traffic control plan</b>	
<b>Scale</b>	
<b>Prioritization Matrix</b>	<b>Score</b>
4 <sup>th</sup> highest matrix	1
3 <sup>rd</sup> highest matrix	2
2 <sup>nd</sup> highest matrix	3
1 <sup>st</sup> highest matrix	4
<b>Metric: Storage Shed</b>	
<b>Scale</b>	
<b>Pass/ Fail</b>	<b>Score</b>
Pass: CONTAINS ALL FLUFF	1
Fail: DOESN'T CONTAIN ALL FLUFF	0

**Methodology**



**Background Information**

**“Recyclable material”**

**Fluff**

**Z-Box**

**Valuable metal**

Metal is crushed can be broken in two categories, valuable materials, and white noise “fluff”. The Z-Box will extract 30%-40% more material upstream. This allows for a more central collection of the “fluff” while the valuable material can move downstream for further processing.

**Available space for Traffic Control Plan**

**Human Factors**

- ❖ Health of the employees
- ❖ Insufficient traffic control plan causes accidents and potential injury
- ❖ Transportation of fluff causes emissions

**Future Plan**

- ❖ Embed- A map will be created that has the Traffic control plan visible and easy to understand
- ❖ Sustain- Is composed of 3 parts people, planet, and profit

**Team Members**



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