

Mistake Proofing & 7 Wastes

Industrial engineers want to make sure that the processes are running as efficiently as possible. Meaning that there are not any problems occurring. By using different types of Mistake Proofing, Industrial Engineers are able to prevent these problems from happening. First, they have to find problem areas or sources of waste. There are 7 different types, let's review them below.



Mistake Proofing Method 1: 5S

The 5S' are:

1. Sort
2. Set in order

3. Shine
4. Standardize
5. Sustain

5S makes sure everything is clean, organized and easy to find. For example, the picture below shows a very messy workstation and a 5S workstation.



Activity 1: 5S

The 5S workstation is very organized and everything in the area is where it should be. What forms of waste do you think organizing this area gets rid of?

- 1.
- 2.
- 3.

Another form of mistake proofing is utilizing a **Standard Operating Procedure or SOP**. Standard operating procedures list the steps needed to complete a task. Having this list available to the worker at their workstation helps them do their task correctly every time since the instructions are always there if they need to check! For example, you would not want to bake a pie for the first time without a recipe!

Activity 2: Standard Operating Procedure

Watch the Video on Spongebob forgetting how to make a Krabby Patty.

<https://www.youtube.com/watch?v=rH76S2K1R7c>

Write a Standard Operating Procedure that would help Spongebob make Krabby Patties in the future:

Step 1:

Step 2:

Step 3:

Step 4:

Step 5:

Step 6: