7 Types Of Waste (DOTWIMP)

1. Defects
2. Overproduction
3. Transportation
4. Waiting
5. Inventory
6. Motion
7. Processing inappropriately

Waste is so often in front of us that we don’t always see it.
1. “D” for DEFECTS

• This type of waste occurs when a product does not conform to proper specifications. This can result in rework.

**Primary Causes**

• Inadequate error-proofing and quality checks
• Poor instructions and training
• Poor communication between customer and manufacturer
• Lack of standard work
• Inadequate supplier quality
• Need for adjustments
2. “O” for OVERPRODUCTION

- This type of waste leads to waste of materials, parts, and assembled goods, production resources.

**Primary Causes**
- Batch production method
- Long set-up times
- Lack of continuous flow of product and people
- Push production system
- Unnecessary product flow
- Bottlenecks
7 Types Of Waste

3. “T” for TRANSPORTATION

• This type of waste results from the unnecessary movement of material, people or product.

Primary Causes

• Inefficient facility or line layout
• Lack of continuous flow
• Non-value added operations
• Long set-up times
• Batch mentality
7 Types Of Waste

4. “W” for WAITING
   - This waste is caused by inefficient processes.

   **Primary Causes**
   - Batch production
   - Unnecessary Expedites
   - Excess Hand-offs
   - Long set-up times
7 Types Of Waste

5. “I” for INVENTORY

- This is waste of materials, labor and overhead due to defects and product alterations.

**Primary Causes**

- Poor work instructions and training
- Poor quality instruction and training
- Faulty equipment
- Inadequate supplier quality
- Misinterpretation of customer needs
- Adjustments
7. “P” for PROCESSING

- This is waste caused by unnecessary processes and operations.

**Primary Causes**

- Non-value added activities
- Lack of attention to changes in what is needed
- Data collection or record keeping that is not needed
- Not properly identifying customer needs
- Variations due to lack of standard work and due to variations in types of products produced