

Waste Types

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Transportation

- Material handling is characterized by the physical movement of materials.
- This causes the organizations to spend considerable amount of time and money on transportation.

Unnecessary Inventory

- Inventory may be necessary only when high uncertainties like interrupted supplies, irregular workforce, rarely available facilities and fluctuating prices of the raw materials are encountered.
- This unnecessary inventory may be maintained in organisations due to many reasons like incapable processes leading to the rejection of products, adoption of inappropriate forecasting techniques, and insufficiently trained workforce.

Unnecessary Motion

- In an organization wherein the layout is not properly designed, people are forced to move more distances through haphazard pathways.
- In industrial engineering field, the method of optimising the motion of people has been largely addressed under the area called method study.

Delay

- Any delay in the processing of activities causes damages to the planning activities of the organization.
- In the organization, delays are prone to occur in several areas such as production, marketing, administration and design.
- Any delay in the beginning of a process gets transferred to their subsequent stages affecting their smooth execution. In order to avoid such delays, a realistic schedule is to be prepared.

Overproduction

- Overproduction refers to the situation of producing more quantity than that is actually required by the customers.
- It occurs in organizations due to many reasons like mistakes in forecasting, compulsion to exploit the full service of permanently employed employees

Processing

- All production and service oriented activities require to be processed to get the value added output.
- Though processing appears to be a value-adding activity, there are many circumstances in which elongated processes lead to the wastage of money and time.

Defective Parts

- Defects include scrap, rework, rejections.
- Zero-defect manufacturing is possible by incorporating mistake proof technological devices.

Underutilization of workforce creativity

- One of the challenges of imparting leanness is the overcoming of disparities of the characteristics and capabilities of the people who are employed to achieve the goals of the organizations as well as customer satisfaction.
- In organizations, people with varied educational backgrounds and work experiences are employed.
- The challenge of the manager and engineer is to allocate right jobs, right responsibilities and right authorities to these different kinds of people employed to attain the goals of the organization and to achieve customer satisfaction.