



# LEAN OFFICE EBOOK

*Identifying waste at the office and  
how you can eliminate it*



# WELCOME

Thank you for taking the time to read through this Lean Office e-book. We hope you find this information easy to digest and applicable to wherever you are on your lean journey.

By applying these practical lean concepts, you can shorten your lead time and increase your capacity for growth.

Special thanks to Laura Lee Rose from the Missouri Enterprise and Frank Groeteman from TMAC for contributing content ideas.

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# What is Lean?

Lean is about creating **more value** for the customers **using fewer resources**.

**It is shortening the time to do any process, in any industry.**

**Why is it important?**

It helps streamline operations.

## **Benefits**

- Reduce cycle time, inventory and work-in-process costs
- Increase productivity, profits and safety
- Save space
- Reduce stress

# Lean in the Workplace

Waste is often hard to see in an office setting because it's spread out across many value streams and it is usually not measured. Let's take a moment to compare a typical office setting to one where lean concepts are implemented.

## *Traditional*

- Unclear job
- Individual accountability
- Customer demands are unrealistic
- Introduction of IT to "automate" information
- Few cross functional relationships
- No continuous improvement methods



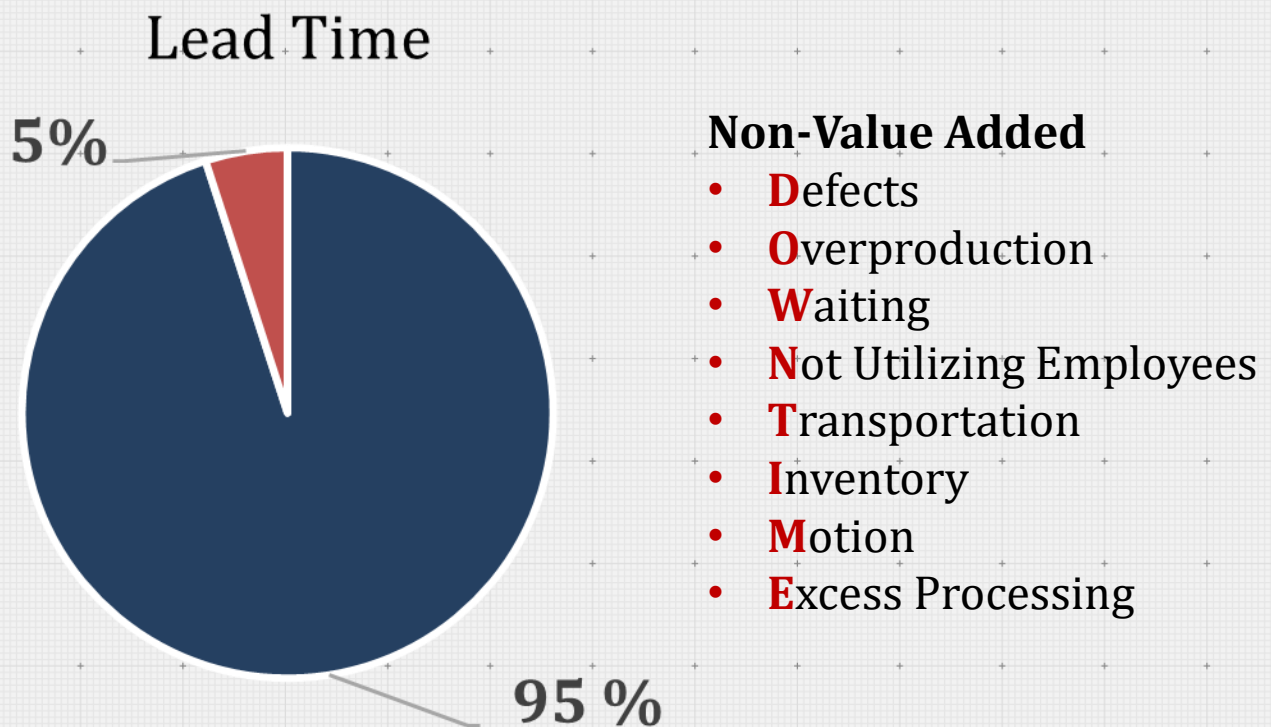
## *Lean*

- Written and well-defined work
- Team accountability
- Customer satisfaction measures continually met
- Introduction of IT as appropriate
- Open communication and information flow
- Strong employee input, passion for continuous improvement
- Teams have clear understanding of company goals



# Eliminating DOWNTIME

As we mentioned before, the goal of lean is to minimize waste. An easy acronym to help you remember the eight wastes is DOWNTIME.



Typically 95% of all lead time is non-value-added.

# Identifying Waste in the Workplace

## ***DOWNTIME***

### **Defects**

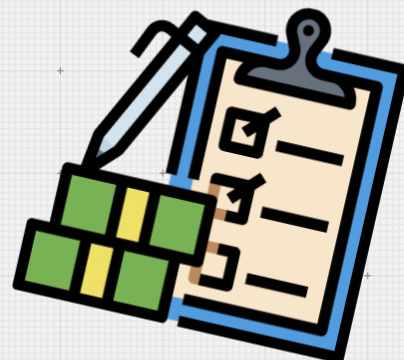
Inspection and correction of forms and information in inventory

### **Causes of defects**

- Improperly trained/unskilled employees
- Lack of communication or information
- Individual methods of performing tasks
- Doing a process in a rush
- Poor design of forms
- Re-entering information
- Bad quality of supply material
- Environmental conditions
- Confusing procedures

### **Examples**

- Forms filled out incorrectly
- Paperwork does not match
- Missing information
- Incompatible software
- Revision changes



# Identifying Waste in the Workplace

## ***D**OWNTIME*

### **Overproduction**

Making **more than** what is required by the next process

Making **earlier than** is required by the next process

Making **faster than** is required by the next process

### **Causes of Overproduction**

- Just-in-case logic
- Long process setup
- Unleveled scheduling
- Unbalanced workload
- Weak organizational structure
- Ineffective supervision
- Lack of communication

### **Examples**

- Printing documents earlier in batches due to long changeover time
- Shotgun approach instead of a focused approach
- Memos to everyone with no clear purpose

# Identifying Waste in the Workplace

## ***DOWN*TIME**

### **Waiting Time**

Idle time when you are waiting

#### **Causes of Waiting Waste**

- Unbalanced workload
- Redundant approval
- Unreliable equipment
- Improperly coordinated department
- Long equipment setup

#### **Examples**

- Waiting for printer or computer to warmup
- Equipment breakdown
- Mail delivery within the firm
- Different work schedule of team members
- Attendees late for meetings
- No meeting agenda
- Signatures/approval/decisions
- Proofs/specifications
- Not delegating responsibilities



# Identifying Waste in the Workplace

## ***DOWN*TIME**

### **Not Utilizing Employee's Knowledge Skills, and Abilities**

The waste of not using people's mental, creative, or physical abilities

#### **Causes of People Waste**

- Incompatible hiring practices
- Corporate culture
- Improperly trained employees
- Employees are not involved in process improvement
- Poor management

#### **Examples**

- Bypassing procedures to hire a favorite candidate
- Start using system software without prior training
- Not providing opportunity for growth
- Temporary workforce
- Flawed suggestion system



# Identifying Waste in the Workplace

## *DOWN*TIME

### Transportation Waste

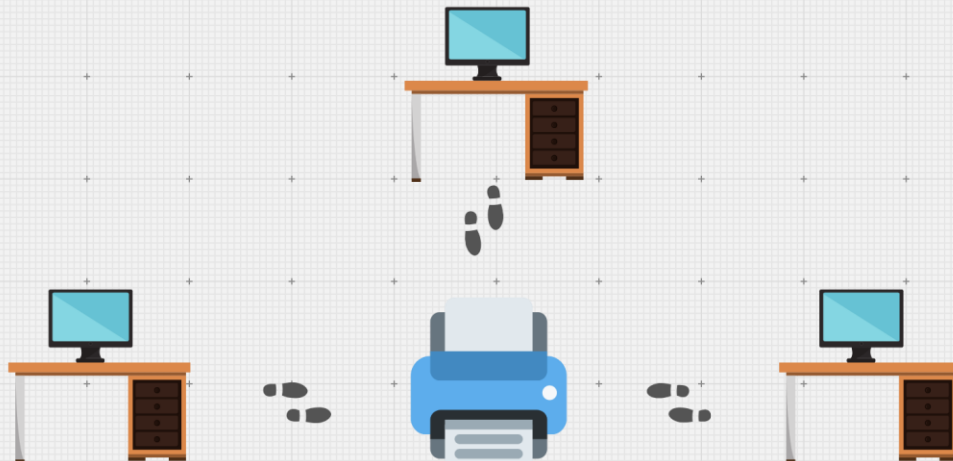
Transporting forms and information around the office

#### Causes of Transportation Waste

- Poor location of office equipment
- Multiple file storage areas
- Lack of signs
- Defects

#### Examples

- Sending overstocked inventory to another location
- Confusing end destinations for forms



Tip: consider centralizing your printer to reduce transportation time

# Identifying Waste in the Workplace

## *DOWNTIME*

### **Inventory**

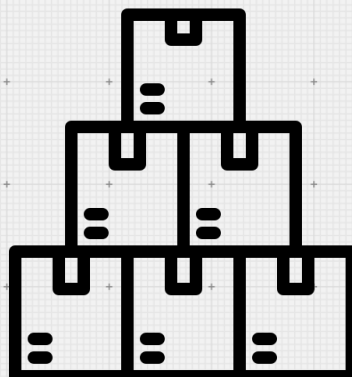
Any supply in excess of a one-piece flow through your office process

### **Causes of Excess Inventory**

- Purchasing excessive supply material
- Unbalanced workload
- Existence of irrelevant data
- Reward system
- Inconsistent work speed

### **Examples**

- Buying in bulk because of just-in-case logic
- Files pile up between work desks
- Documents are waiting to be matched or signed
- Storage space filled with items we don't need or use
- Saving files forever



# Identifying Waste in the Workplace

## ***DOWNTIME***

### **Motion Waste**

Any movement of people or equipment that does not add value to the service

#### **Cause of Motion Waste**

- Poor workplace organization
- Poor scheduling of work
- Nonstandard work method
- Redundant approval

#### **Examples**

- Keeping forms far from reach of employee
- Looking for items because they do not have a defined place
- Unfiled papers
- Not grouping similar orders
- Employee working by experience rather than by standard method

# Identifying Waste in the Workplace

## ***DOWNTIME***

### **Excess Processing Waste**

Effort that adds no value to the service from the customers' viewpoint. It is an outward sign indicating a poorly designed process.

### **Causes of Processing Waste**

- Just-in-case logic
- Lack of communication
- Redundant approval
- Human error
- True requirements undefined
- Non-standard business process

### **Examples**

- Repetition of same information on different forms
- Use of different software in different departments when processing an order
- Re-entering data



# Lean Building Blocks



**CONTINUOUS IMPROVEMENT**

**THE HOUSE  
OF LEAN**

**6 SIGMA ROOT CAUSE PROBLEM SOLVING**

**PULL/KANBAN**

**CELLULAR/FLOW**

**TEAMS**

**QUALITY AT  
SOURCE**

**POUS - POINT OF  
USE STORAGE**

**QUICK SET-UP**

**STANDARDIZED  
WORK**

**LOT SIZE  
REDUCTION**

**TPM**

**VISUAL**

**5S SYSTEM**

**LAYOUT**

**VALUE**

**STREAM**

**MAPPING**

# **Eliminate Waste**

## ***With Lean Tools***

### **Standardized Work**

Operations safely carried out with all tasks organized in the best-known sequence and using the most effective combination of these resources:

- Man (people)
- Materials
- Methods
- Machines
- Money
- Mother Nature
- Management
- Momentum (time)

Minimize variation in the process and process result!

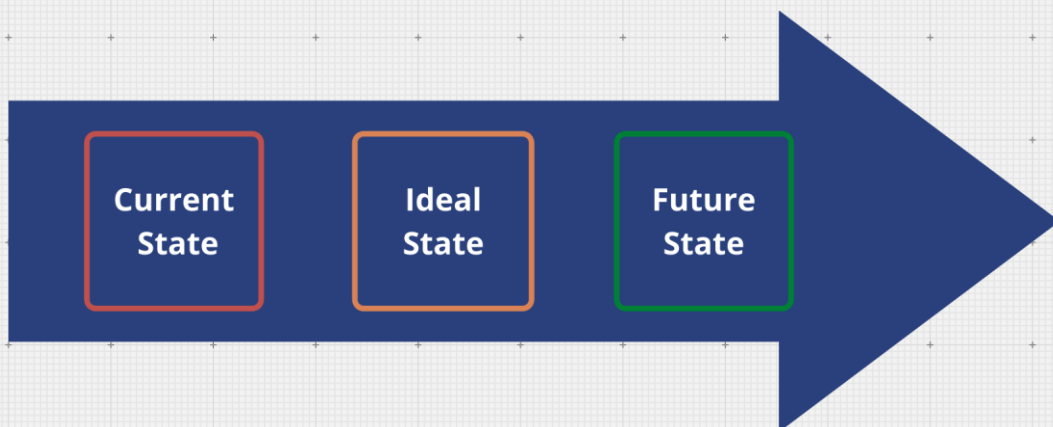
# Eliminate Waste

## *With Lean Tools*

### **Value Stream Mapping**

A simple, visual approach which:

- Creates a clear picture of the current paperwork and information flow, called a “current state” map
- Focuses on one “product family” at a time
- Identifies lean tools and techniques that can improve flow and eliminate waste
- Incorporate those ideas in a new picture of how paperwork and information show flow in the “future state”
- Helps create an action plan that makes the new picture a reality



# **Eliminate Waste**

## ***With Lean Tools***

### **Workplace Organization – 5S**

A safe, clean, neat, arrangement of the workplace provides a specific location for everything, and eliminates anything not required.

#### **Sort**

- Red tag all unneeded items
- Motto: when it doubt, throw it out

#### **Set in Order**

- Identify best location for remaining items, organize
- Set inventory limits and temporary location indicators

#### **Shine**

- What is worth using is worth keeping in good condition
- Clean, paint, shield, sharpen, and polish

#### **Standardize**

- Incorporate visual means to stay organized
- Create rules and train people to follow them

#### **Sustain**

- Promote a culture of staying organized
- Institute processes to prevent backsliding

# Eliminate Waste

## *With Lean Tools*

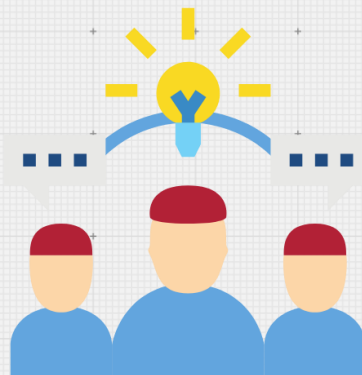
### **Total Productive Maintenance (TPM)**

Systematic approach to the elimination of the six major equipment losses:

- Setup and adjustment
- Breakdowns
- Idling and minor stoppages
- Reduced speed
- Startup
- Defects and rework

Enlisting the participation of all employees to create an environment that fosters improvement efforts in safety, quality, cost, delivery, and creativity

Charting and analyzing equipment performance to identify root cause of problems, and implementing sustainable improvement



# Eliminate Waste

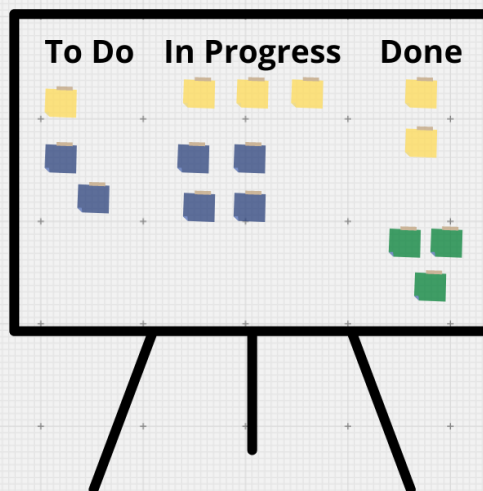
## *With Lean Tools*

### Visual Controls

Simple signals that provide an immediate understanding of a situation or condition. They are efficient, self-regulating, and worker-managed.

### Examples

- Decision-making tools
- Kanban cards (visual systems)
- Schedules, project boards
- Color-coded forms, equipment, trays
- Lines on the floor to delineate storage areas, walkways, work area, etc.



# **Eliminate Waste**

## ***With Lean Tools***

### **Pull System**

A pull system is a flexible and simple method of controlling the flow of resources

- Produce only what has been consumed
- Minimizes wastes of overproduction, inventory, transportation, defects, waiting
- Minimize “guessing” and forecasting

### **Kanban**

- Visual Signal – simple and visual
- Management by sight
- Better communication

# Eliminate Waste

## *With Lean Tools*

### **Quick Changeover**

The time between the last good output from the current task and the first good output from the next task at speed

#### **Examples of changeover in the office**

- One set of documents are put away and replaced by another set
- Office equipment has to be reset for the next job
- Computer files are closed down and others retrieved
- Associates go to the Boss for their next assignment
- Visits to the supply cabinet for needs
- Reconciliation of regulatory paperwork



# Eliminate Waste

## *With Lean Tools*

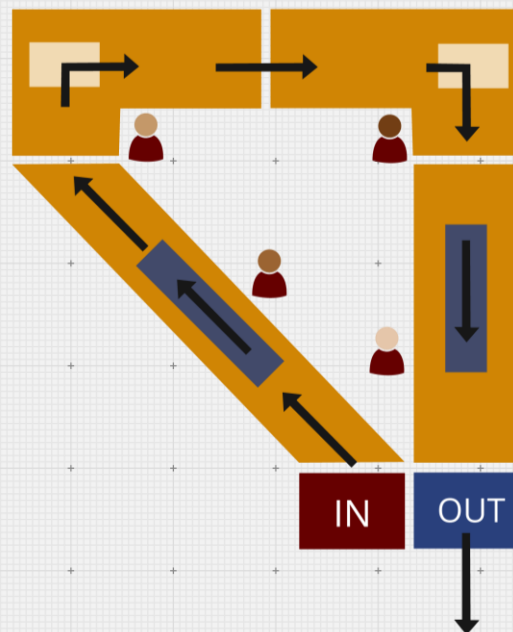
### Office Layout

Linking of people and processes into the most efficient combination to maximize value-added content while minimizing waste.

#### Examples:

- Multi-functional
- Co-located
- One piece flow
- Balanced-waste removed
- Cross-trained team
- Standard work
- Staffed to meet demand

Documentation flows in one direction in the office

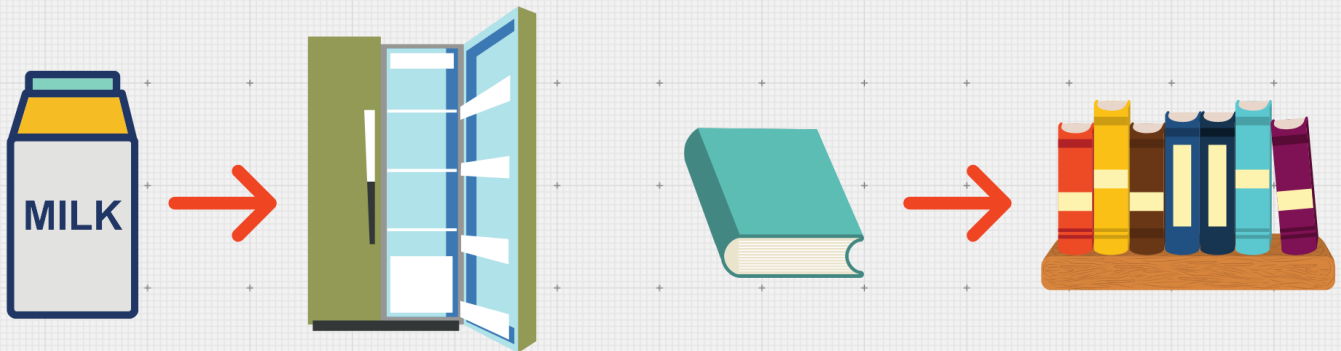


# Eliminate Waste

## *With Lean Tools*

### **Point of Use Storage**

- Raw material is stored at workplace where used
- Works best if vendor relationship permits frequent, on-time, small shipments
- Simplifies physical inventory tracking, storage, and handling



# Eliminate Waste

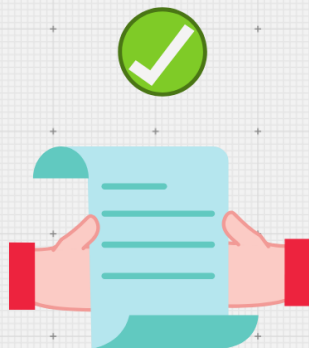
## *With Lean Tools*

### **Quality at the Source**

Source Inspection: Associates must be certain that the document they are passing to the next process step is of acceptable quality.

#### **How to ensure:**

- Associates must be given the means to perform inspection at the source, before they pass an item along
- Opportunities for mistake proofing the processes have been explored and implemented at the work station
- Process documentation defining quality inspection requirements for each work station may need to be developed



# Eliminate Waste

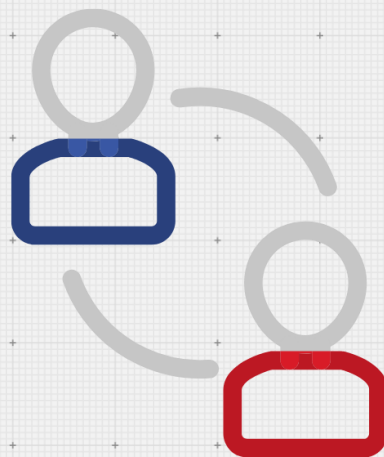
## *With Lean Tools*

### **Team Work and Cross-Training**

Fully integrated, team-based, continual flow processes, value streams

Strong team-work and cross-training leads to:

- Better communication
- Faster feedback
- Support and assistance
- Same understanding
- Dealing with complexity
- Problem-solving



# Methods of Improvement

## *Four Methods of Continuous Improvement*

### **Quick Fix**

- Know how to improve
- There's agreement
- Little investment
- Quick implementation
- Not team-based

### **Kaizen Event**

- Based on Value Stream Map
- Gaps and action planning
- Small investment
- Team-based
- Area focused
- 3 to 5 days implementation

### **Projects**

- Needs more agreement
- Lower knowledge of change tools required
- Higher investment
- Higher risk
- Multi-team based
- Multi-level
- Month + to implement

### **Improvement Kata**

- Deployment of Strategy
- Thinking behavior
- PDSA based
- Adaptable
- Pattern of thinking
- Decrease fear
- Utilize workforce
- Scalable

# THANKS FOR READING!

If there is anything we can help you with – whether it is answering questions or project work - please don't hesitate to reach out to our office. We look forward to connecting with you!



**CONTACT US**

