

COURSE INTRODUCTION



01. DEFINITION OF LEAN

Definition of Lean

Lean Pioneers

Toyota Production System

Poka-Yoke

Value Stream Map

5S

8 Wastes

Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

WHAT IS LEAN?

GOAL: ELIMINATION OF WASTE

BEGINS BY IDENTIFYING VALUE, THEN IDENTIFIES VALUE STREAM, STRIVES TO IMPLEMENT PULL & FOCUSES ON PERFECTION

02. LEAN PIONEERS

Definition of Lean

Lean Pioneers

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Poka-Yoke

Value Stream Map

5S

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Just-In-Time

Kaizen

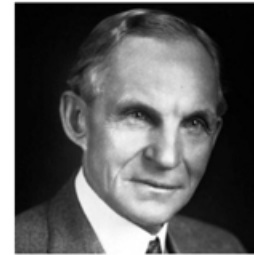
Genchi Genbutsu

LEAN PIONEERS

AIGPE



SAKICHI TOYODA



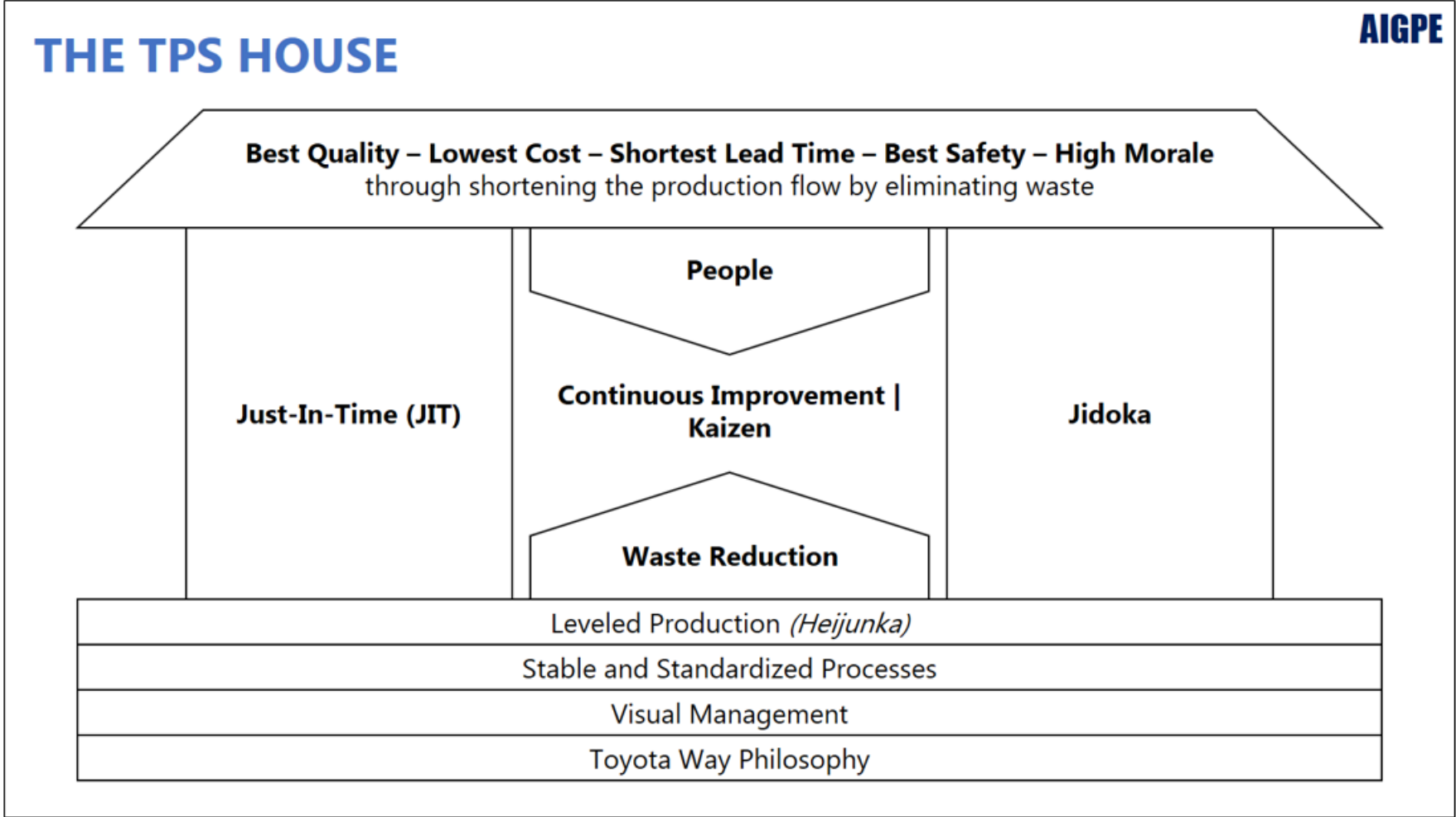
HENRY FORD



TAIICHI OHNO

03. TOYOTA PRODUCTION SYSTEM

- Definition of Lean
- Lean Pioneers
- Toyota Production System**
- Poka-Yoke
- Value Stream Map
- 5S
- 8 Wastes
- Jidoka
- Just-In-Time
- Kaizen
- Genchi Genbutsu



04. LEAN TOOL: POKA-YOKE

Definition of Lean

Lean Pioneers

Toyota Production System

Poka-Yoke

Value Stream Map

5S

8 Wastes

Jidoka

Just-In-Time

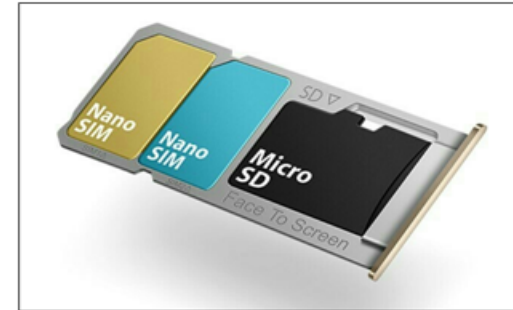
Kaizen

Genchi Genbutsu

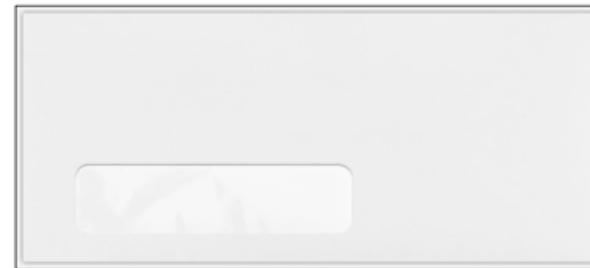
WHAT IS POKA-YOKE?

AIGPE

**JAPANESE TERM FOR MISTAKE-PROOFING
METHOD USED TO PREVENT ERRORS**



Motion Sensors



05. LEAN TOOL: VALUE STREAM MAP

Definition of Lean

Lean Pioneers

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Poka-Yoke

Value Stream Map

5S

8 Wastes

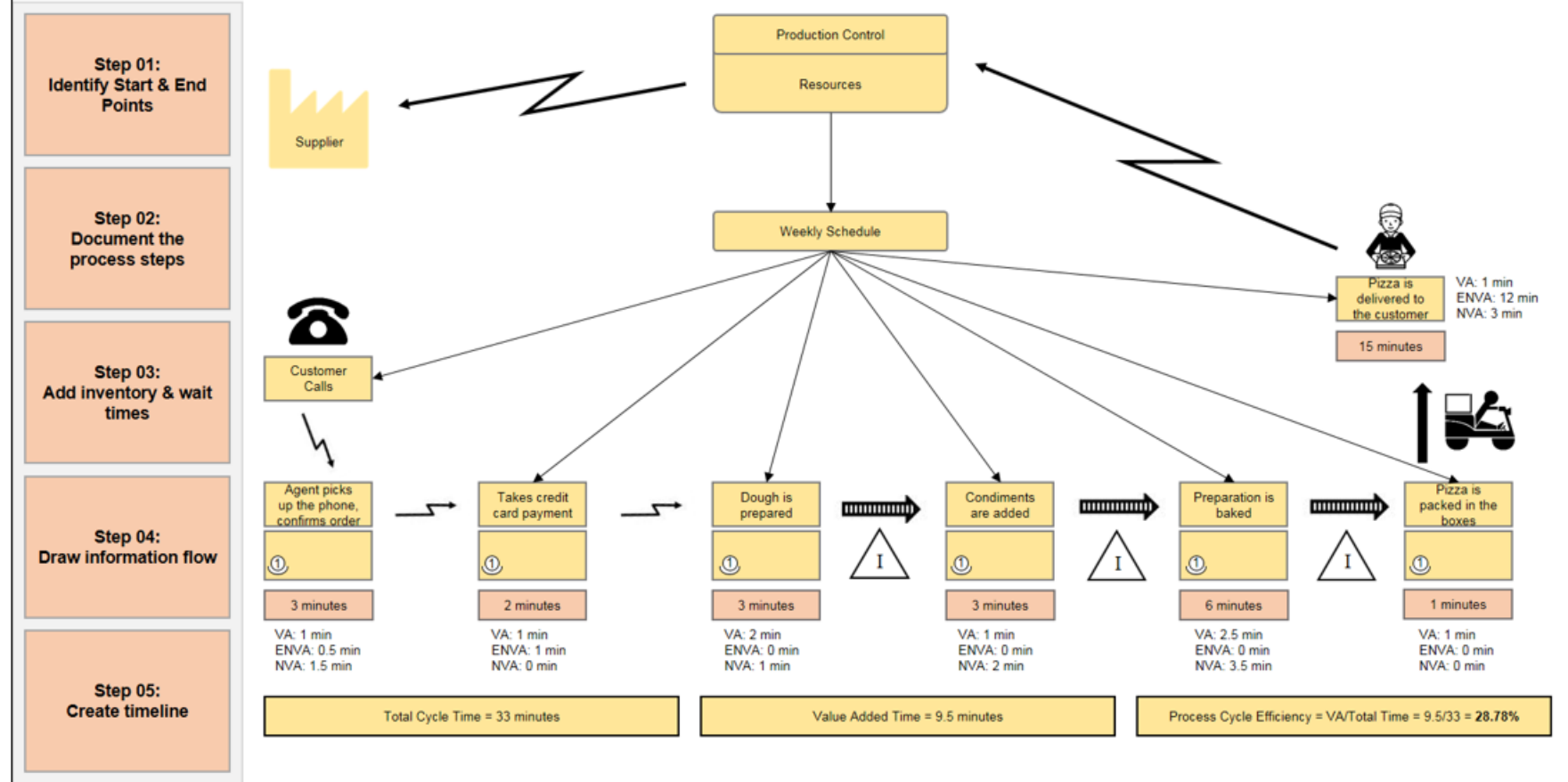
Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

STEPS TO CREATE A VALUE STREAM MAP



06. LEAN TOOL: 5S

Definition of Lean

Lean Pioneers

Toyota Production System

Poka-Yoke

Value Stream Map

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8 Wastes

Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

5S IS A WORKPLACE ORGANIZATION METHOD THAT CAN HELP IMPROVE THE EFFICIENCY AND MANAGEMENT OF OPERATIONS. 5S STANDS FOR

- **SORT (SEIRE)**
- **SET IN ORDER (SEITON)**
- **SHINE (SEISO)**
- **STANDARDIZE (SEIKETSU)**
- **SUSTAIN (SHITSUKE)**

07. LEAN TOOL: 8 WASTES

Definition of Lean

Lean Pioneers

Toyota Production System

Poka-Yoke

Value Stream Map

5S

8 Wastes

Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

DEFECTS

**OVER-
PRODUCTION**

WAITING

**NON-UTILIZED
SKILLS**

**TRANSPORTAT
-ION**

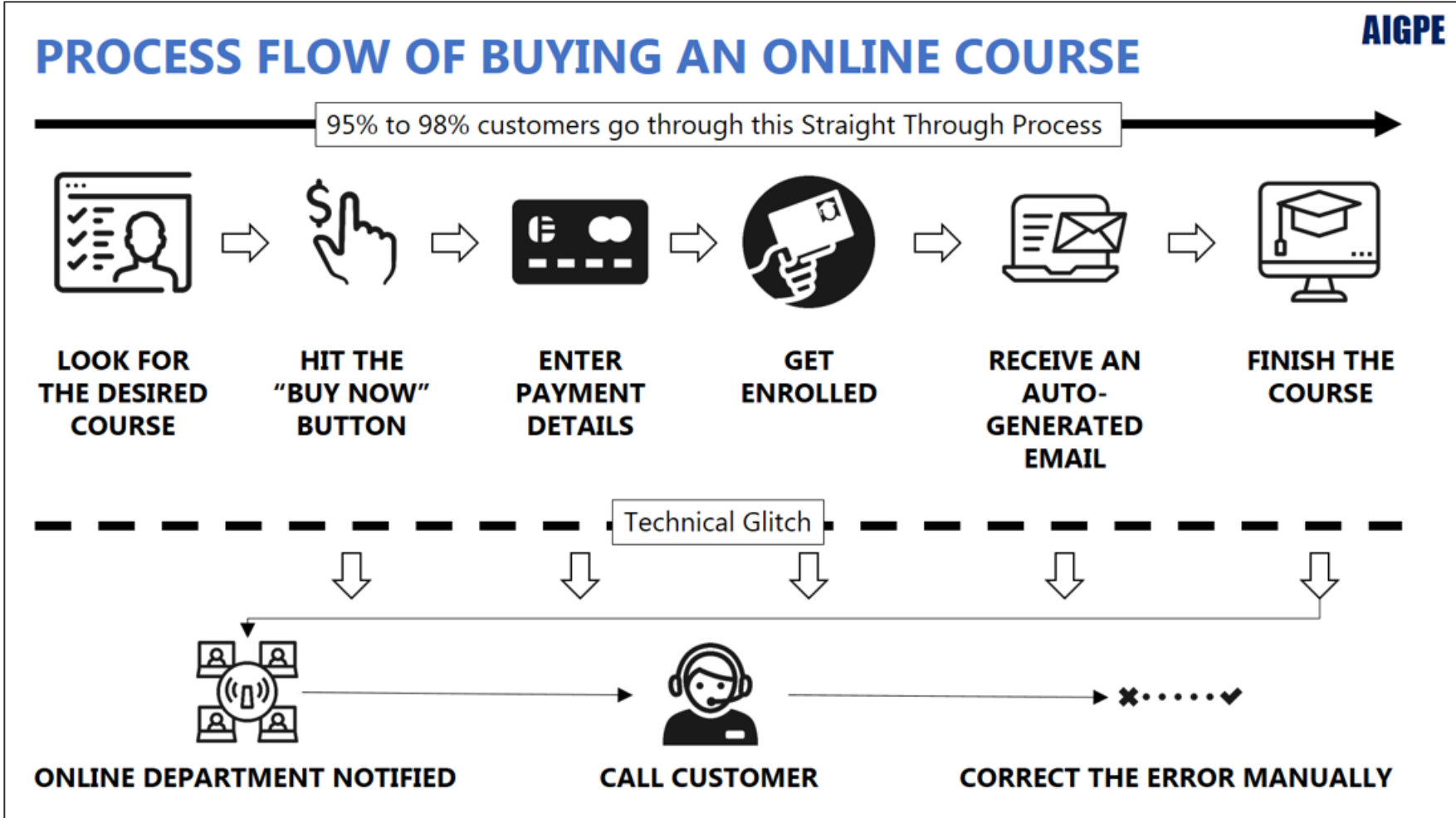
INVENTORY

MOTION

**EXCESS
PROCESSING**

08. LEAN TOOL: JIDOKA

- Definition of Lean
- Lean Pioneers
- Toyota Production System
- Poka-Yoke
- Value Stream Map
- 5S
- 8 Wastes
- Jidoka**
- Just-In-Time
- Kaizen
- Genchi Genbutsu



09. LEAN TOOL: JUST-IN-TIME (JIT)

Definition of Lean

Lean Pioneers

Toyota Production System

Poka-Yoke

Value Stream Map

5S

8 Wastes

Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

THE ORIGIN STORY OF JIT

AIGPE



TAIICHI OHNO

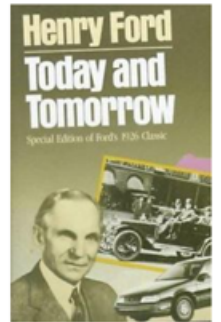
**CREDITED TO HAVE CREATED JUST-IN-TIME
TOYOTA STRUGGLED THROUGH THE 1930's
IN EARLY YEARS, TOYOTA PRODUCED:**

- POOR QUALITY VEHICLES
- WITH PRIMITIVE TECHNOLOGY
- HAD LITTLE SUCCESS



**IN 1930, TOYOTA LEADERS VISITED FORD & GENERAL MOTORS
STUDIED THEIR ASSEMBLY LINES**

**ALSO READ HENRY FORD'S BOOK: TODAY & TOMORROW
TESTED CONVEYOR SYSTEM, MACHINE TOOLS, ETC**



10. LEAN TOOL: KAIZEN

Definition of Lean

Lean Pioneers

Toyota Production System

Poka-Yoke

Value Stream Map

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8 Wastes

Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

KAIZEN EXAMPLES

AIGPE



ROLL OUT A NEW MONITORING
AND FEEDBACK CHECK SHEET



CHEAT SHEET WITH REQUIRED
BANK PHONE NUMBERS

11. LEAN TOOL: GENCHI GENBUTSU

Definition of Lean

Lean Pioneers

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Poka-Yoke

Value Stream Map

5S

8 Wastes

Jidoka

Just-In-Time

Kaizen

Genchi Genbutsu

GENCHI GENBUTSU: A SIMPLE YET A POWERFUL TOOL – CASE STUDY

AIGPE



AUDIO ONLY



2004 SIENNA

LEAN MANAGEMENT

What is Lean?	Lean Pioneers	What is Toyota Production System?	What is Poka Yoke?	What is Value?	What are Value Stream Maps?
Section Introduction	Section Introduction	Section Introduction	Section Introduction	Section Introduction	Section Introduction
What is Lean?	Sakichi Toyoda	What is Toyota Production System (TPS)?	What is Poka-Yoke?	What is Value?	What are Value Stream Maps?
Lean in Service	Success Story: Sakichi Toyoda	The TPS House	Why Poka-Yoke?	What is a Value Stream?	VSM Icons
Comparison of Lean with Other Methodologies	Henry Ford	Brief Snippet of Ohno's Journey to establish TPS	When Poka-Yoke?	Activity: What is Value?	Steps to Complete VSM
Lean Success Story	How Ford remembered each of his Customers?	The Toyota Way	Example of Poka-Yoke	Activity Solution: What is Value?	Activity: VSM
Section Conclusion	Taiichi Ohno	Section Conclusion	Activity: Poka-Yoke	Section Conclusion	Activity Solution: VSM
	Section Conclusion		Activity Solution: Poka-Yoke		Section Conclusion
			Section Conclusion		

What is 5S?	What is Waste?	What is Jidoka?	What is Just-In-Time?	What is Kaizen?	What is Genchi Genbutsu?
Section Introduction	Section Introduction	Section Introduction	Section Introduction	Section Introduction	Parametric vs. Non-Parametric Tests – Side by Side Comparison
What is 5S?	What is Waste?	What is Jidoka?	Introduction to JIT	Introduction to Kaizen	Introduction to Genchi Genbutsu
5S Project in Service Industry	Type of Wastes – Part 01	Example of Jidoka in Service Industry	Origin Story of JIT	History of Kaizen	Genchi Genbutsu Case Study
Activity: 5S - Match the Correct Definitions	Type of Wastes – Part 02	Activity: Identify the Jidoka Solution	Steps to implement JIT	Kaizen Examples	Steps to Implement Genchi Genbutsu
Activity Solution: 5S - Match the Correct Definitions	What is DOWNTIME?	Activity Solution: Identify the Jidoka Solution	Case Studies of JIT	Kaizen Benefits	Section Conclusion
Section Conclusion	Activity: Fill in the correct type of Waste	Section Conclusion	Section Conclusion	Section Conclusion	
	Activity Solution: Fill in the correct type of Waste				
	Section Conclusion				