
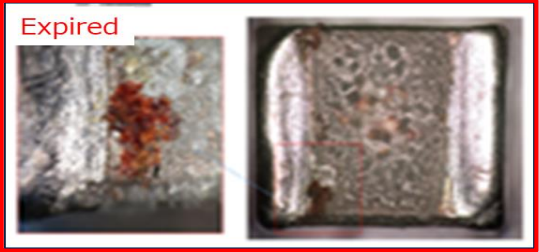
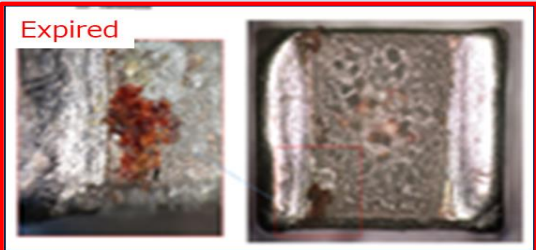
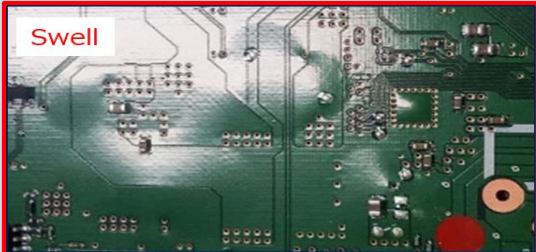
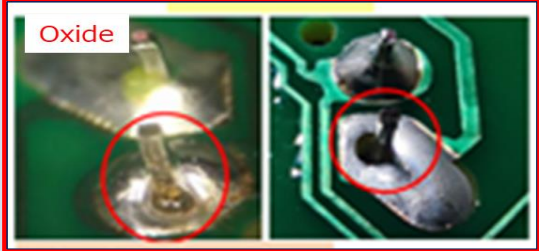




PCB child parts it is a group of parts with global use and high market competition. Therefore, parts must be ordered to be stored for production. When the production plan is reduced, so do the remaining parts.

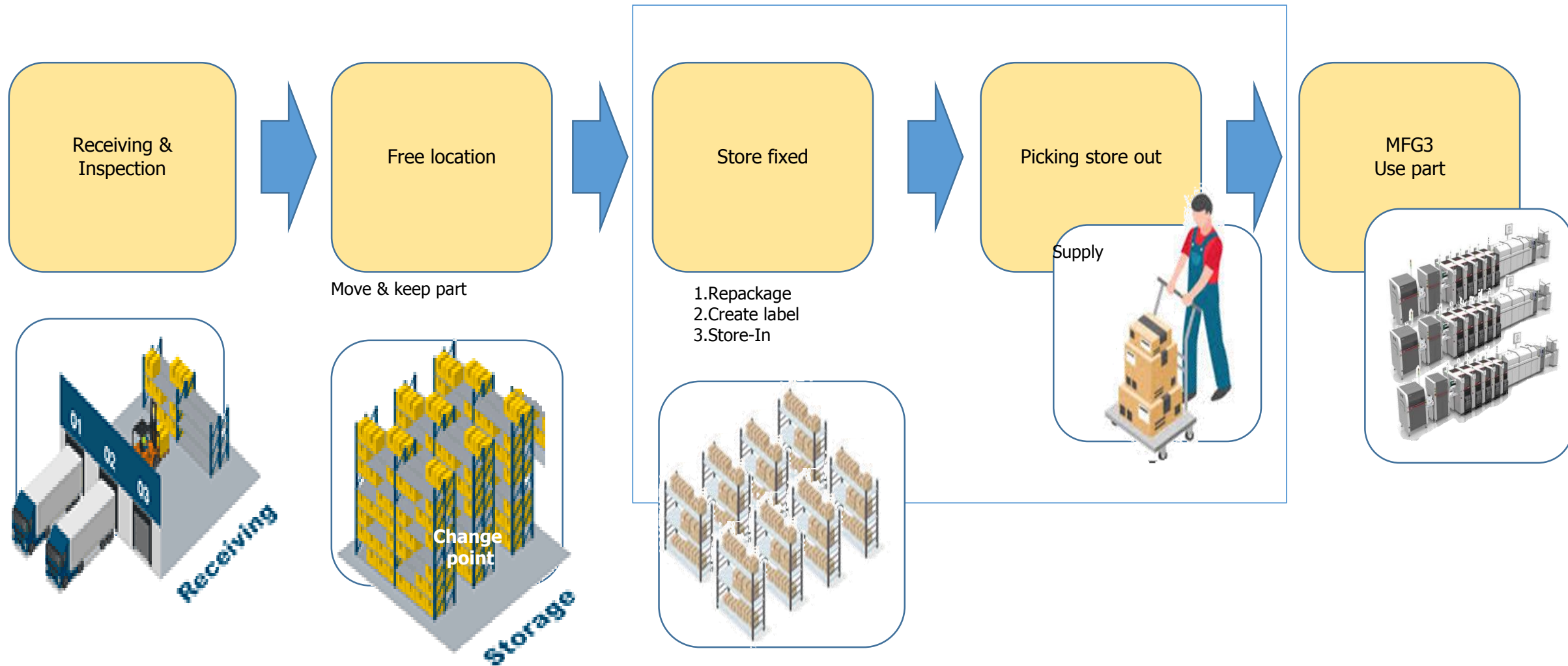
Stock remain Y2022	Affect [Parts Expire]	Action
 <b>HT</b>		1.Sort parts
<b>Amount 287.55MB. [1,410 Items]</b>		2.Self quality guarantee
 <b>RA</b>		3.Control use of parts



## Issue

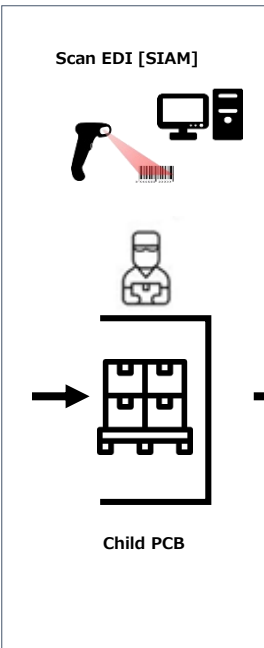
- Manual checking of expired parts is causing an excessive workload
- Quality control is compromised, and overall product quality is at risk due to shortcomings in the implementation of the First-In-First-Out (FI-FO) methodology
- The absence of a real-time Free/Fix location system is impeding the progress tracking of stock.

# Current Operation flow

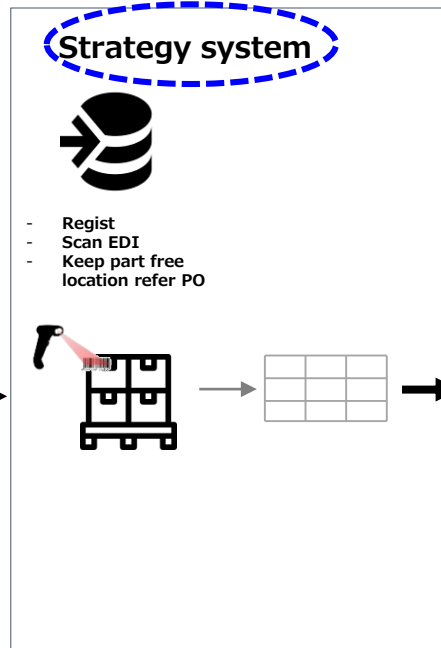


## Current operation flow

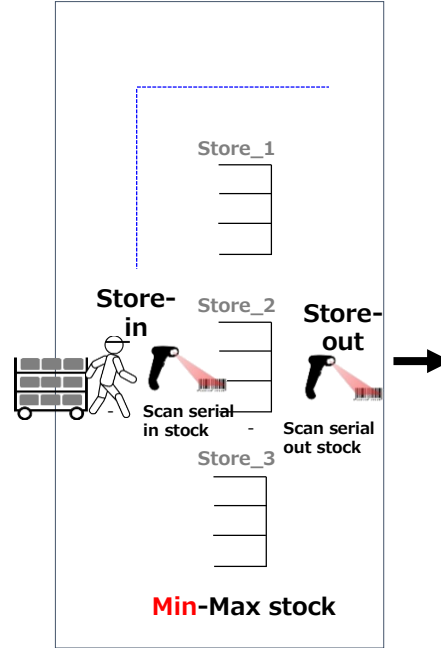
### 1) Receiving



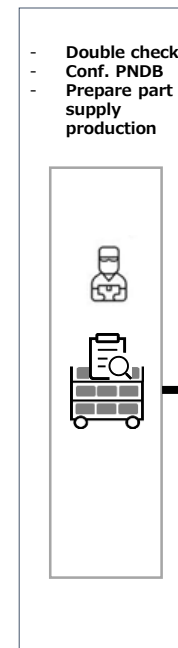
### 3) Free location



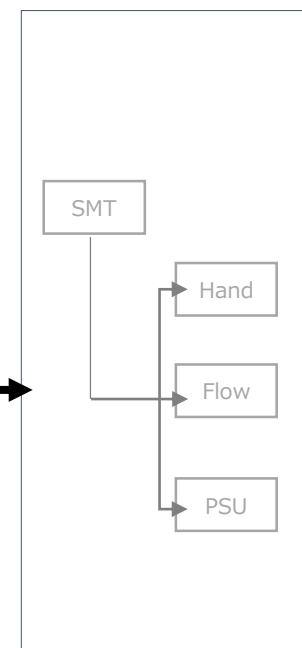
### 4) Store Fixed



### 5) MIZU



### 6) PCB\_ASS'Y



## Improve operation flow

### 1) Receiving

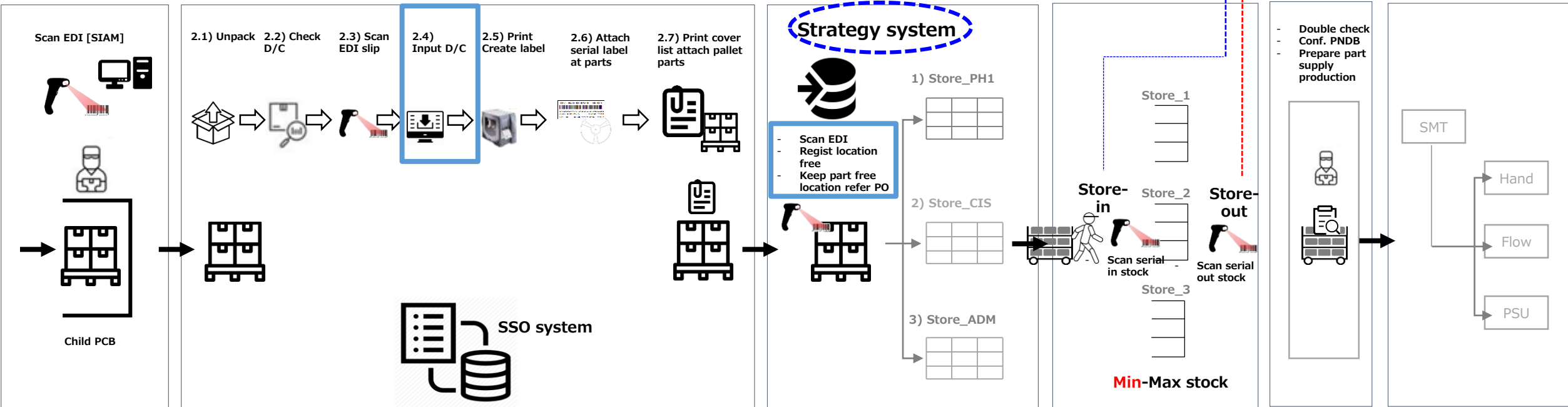
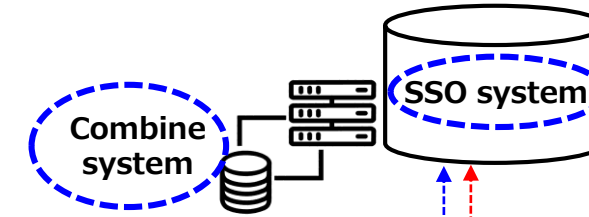
### 2) Create label \*\*\*

### 3) Free location

### 4) Store Fixed

### 5) MIZU

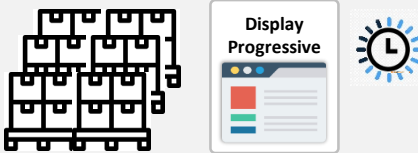
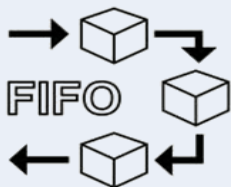


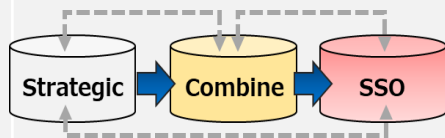
### 6) PCB\_ASS'Y



RA = xxx items

RA = 1,877 items

## Objective : PCB Child Part Control

No	Detail	Condition	Target
①	Progress stock Free Location / Fix location / Inventory control real time		PCB child Parts RA =1,877 items
②	FI-FO control quality up		
③	Manage outstanding stock by implementing IT systems to control		
④	Reduce work load check expired parts		
⑤	Link system Strategic stock / Combine / SSO		





**Child parts PCB = 1,877 items**



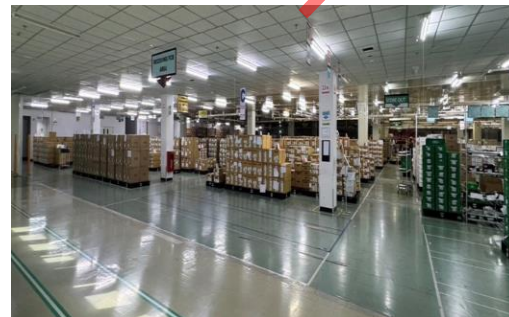
**Store1\_PCB**



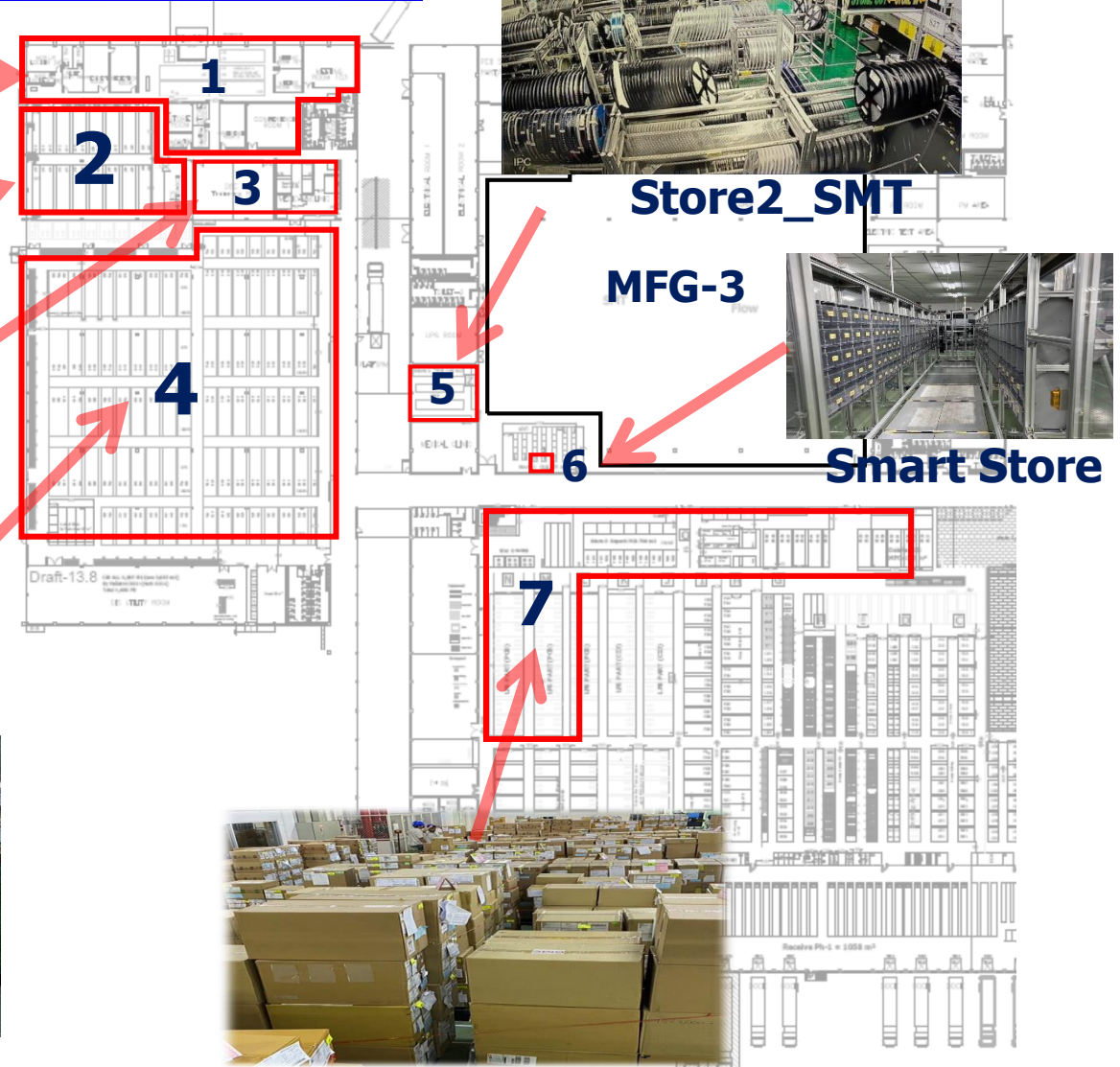
**Store ADM**



**Store Important**



**Store CIS**



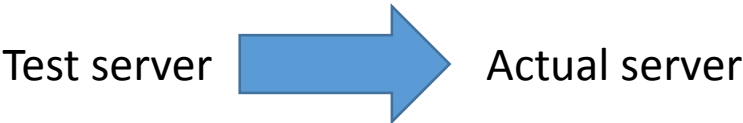
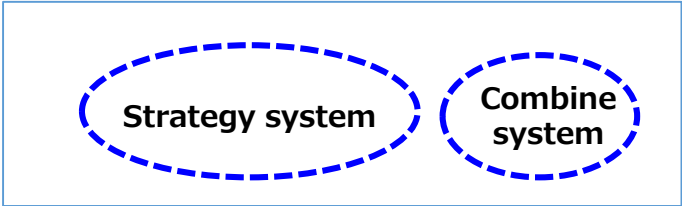
**Store2\_SMT**

**MFG-3**

**Smart Store**

**Store3\_PCB & Store PH1**





## Schedule PCB Improvement IT

No	Detail	P.I.C		Jan'24		Feb'24					Mar'24				Apr'24			
				22-26	29-31	5-9	12-16	19-23	26-29		4-9	11-15	18-22	25-29	1-5	8-11	18-20	22-26
1	Issue concept idea	Surasak / Supakorn	plan							Equipment support								
			actual															
2	Confirm detail get requirement / concept	Store PCB/IT member	plan															
			actual															
	-Get detail Combine and Strategy	Store PCB/IT member	plan															
3	Design system	Supakorn	plan															
			actual															
	-User interface design	User	plan															
	-system flow	Supakorn	plan															
	-Structure DB		plan															
	-IT working grop flow "start dev"	Supakorn/Surasak/ICS	plan															
	-Infrom manager	Supakorn																
4	Start develop system		plan															
			actual															
	-Combine system(Calling parts)		plan															
	-update detail after get requirement / concept	Supakorn	plan															
	-Strategy system(Calling parts)		plan															
	-update detail after get requirement / concept		plan															
7	Trail test	Store PCB/IT member	plan															
			actual															
	-debug testing		plan															
	-User manual system	Store PCB/Supakorn	plan															
	-Traning users		plan															
8	Start use New system	Store PCB/IT member	plan															
			actual															
	-IT working grop flow "Golive"	Supakorn/Nattapong/ICS	plan															
9	Follow up & action problem	Store PCB/IT member	plan															
			actual															

26/01/2024



Plan-Major



Plan-minor



actual



Waiting for information



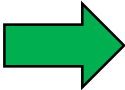
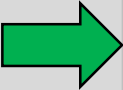
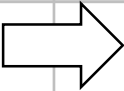
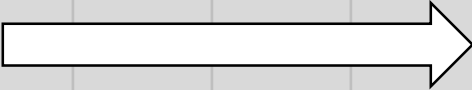
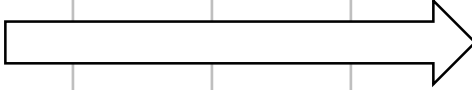
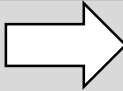
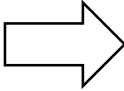

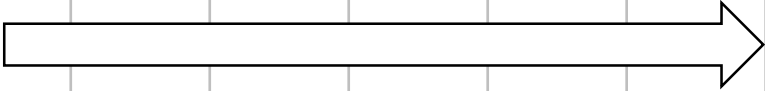
Not in IT process

Completed


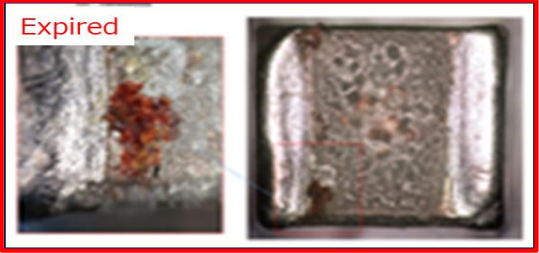
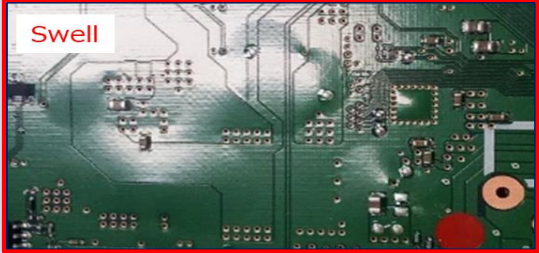

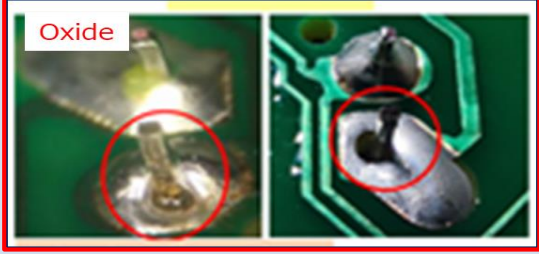
On schedule

Delay

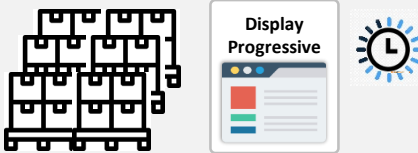
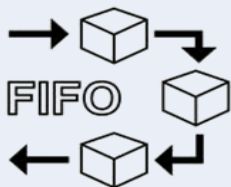


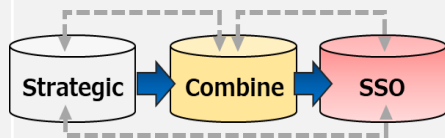
Recovery

No	Detail	P.I.C	Jan'24		Feb'24				Mar'24				Apr'24			
			22-26	29-31	5-9	12-16	19-23	26-29	4-9	11-15	18-22	25-29	1-5	8-11	18-20	22-26
1	Issue concept idea	Surasak / Supakorn														
2	Confirm detail get requirement / concept	Store PCB/IT member														
3	Design system	Supakorn														
4	Start develop system	Supakorn														
5	Layout setting support new operation	Arnon														
6	Equipment support	Surasak /Armon														
7	Trail test	Store PCB/IT member														
8	Start use New system	Store PCB/IT member									 Start PCB part control_18 Mar 24					
9	Follow up & action problem	Store PCB/IT member														

PCB child parts it is a group of parts with global use and high market competition. Therefore, parts must be ordered to be stored for production. When the production plan is reduced, so do the remaining parts.

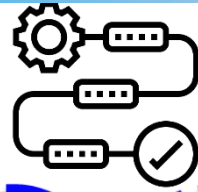
Stock remain Y2022	Affect [Parts Expire]	Action
 <b>HT</b> <b>Amount 287.55MB. [1,410 Items]</b>		1.Sort parts
		2.Self quality guarantee
 <b>RA</b>		3.Control use of parts

## Objective : PCB Child Part Control

No	Detail	Condition	Target
①	Progress stock Free Location / Fix location / Inventory control real time		PCB child Parts RA =1,877 items
②	FI-FO control quality up		
③	Manage outstanding stock by implementing IT systems to control		
④	Reduce work load check expired parts		
⑤	Link system Strategic stock / Combine / SSO		



Link Sub System



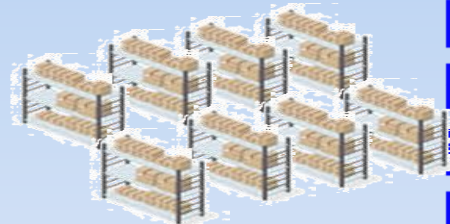
Receiving & Inspection



Free location



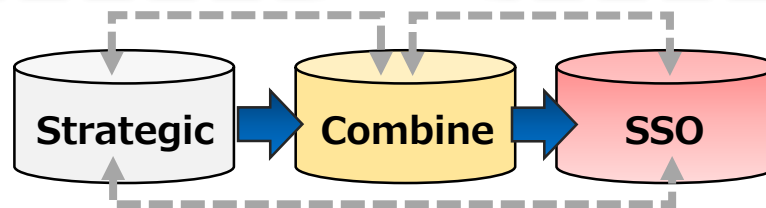
Store fixed



Picking store out



MFG3 Use part





Child parts PCB = 1,877 items



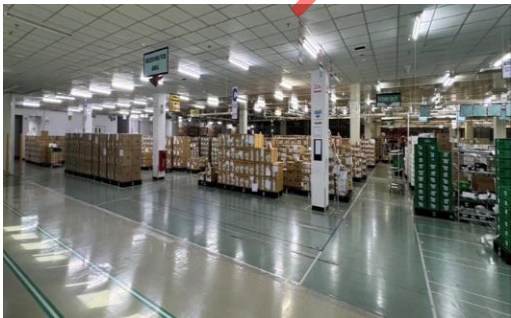
Store1\_PCB



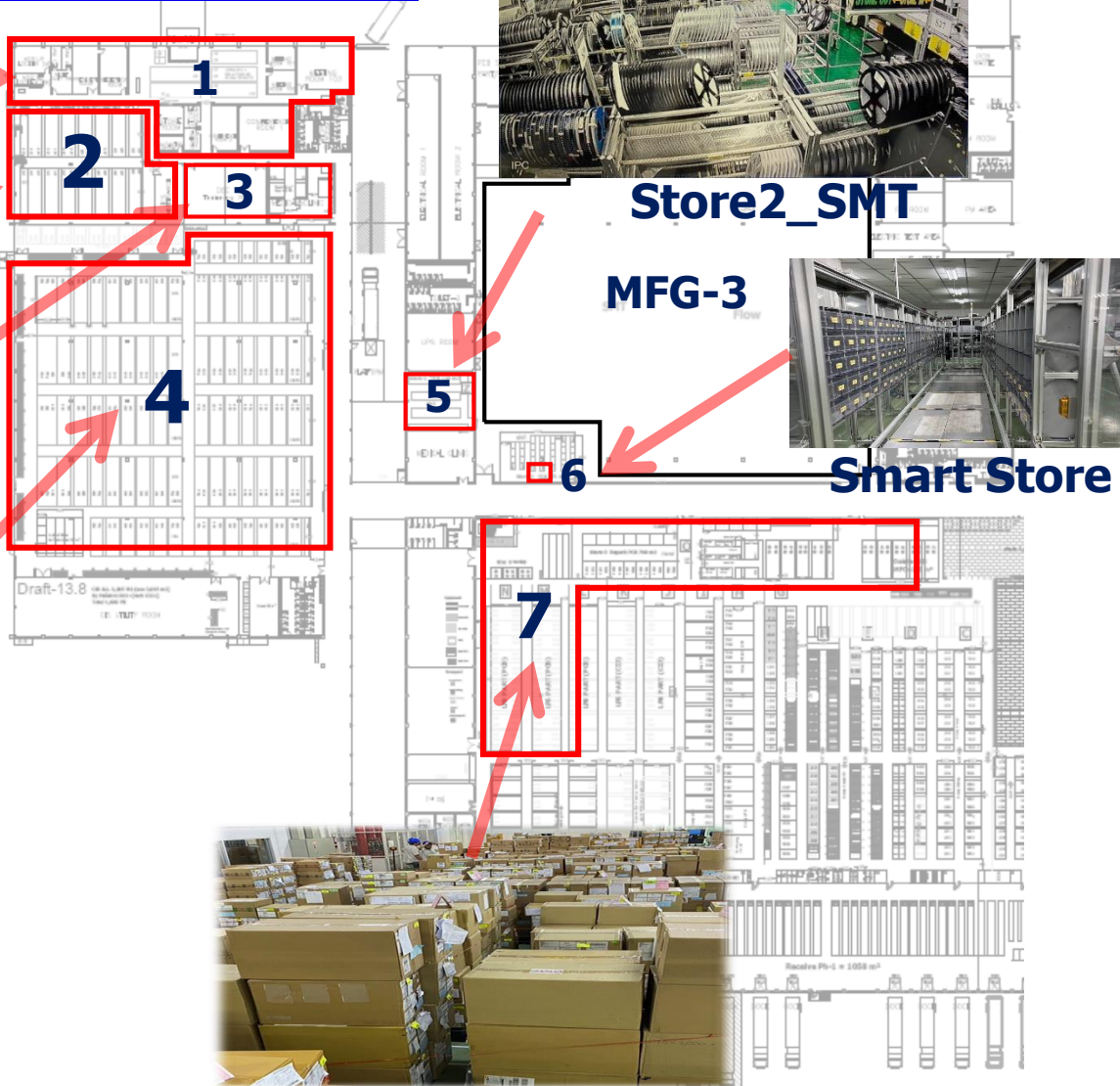
Store ADM



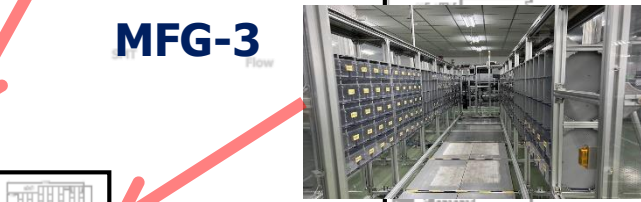
Store Important



Store CIS



Store2\_SMT



MFG-3

Smart Store



Store3\_PCB & Store PH1



## 1) Reduce work load operation [ Merit ]

No	Detail	Work load reduce [min.]	Items	Reduce work load [min.]
1	Reduce work load input data part expired	8.25	1,376	11,352.00
2	Reduce work load operation picking part store free location from store fix	xxx	xxx	xxx
	<b>Total</b>			

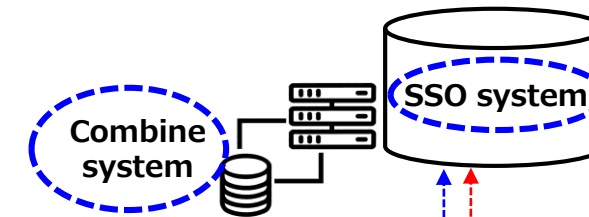
## 2) Inventory accuracy management [ Benefit ]

No	Detail [ Refer Index dept. ]
1	Support result Annual Tanaoroshi <b>ABS ≤ 0.01 % [ PCB part ]</b>
2	Control Quality Shelf Life Management PCB Child Parts not input part expire affect quality = <b>0 Time</b>
3	Support Control stock T/O end year = <b>16.02 day , Amount 629 MB. ( End year )</b>

## Operation flow

### 1) Receiving

### 2) Create label \*\*\*



### 3) Free location

#### Strategy system

- Scan EDI
- Regist location free
- Keep part free location refer PO

1) Store\_PH1

2) Store\_CIS

3) Store\_ADM

RA = xxx items

### 4) Store Fixed

Store\_1

Store\_2

Store\_3

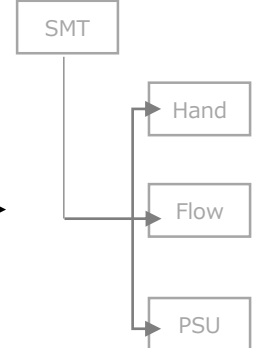
Min-Max stock

RA = 1,877 items

### 5) MIZU

- Double check
- Conf. PNDB
- Prepare part supply production

### 6) PCB\_ASS'Y






Scan EDI [SIAM]

- 2.1) Unpack 2.2) Check D/C 2.3) Scan EDI slip 2.4) Input D/C 2.5) Print Create label 2.6) Attach serial label at parts 2.7) Print cover list attach pallet parts

SSO system

Child PCB



No	Equipment name	Equipment
1	Computer	
2	Sato Printer / Label / Ribbon	
3	Barcode Reader	

>> Use current equipment DBC



No	Topic	Detail
1	How many year data keep	5 Year
2	How many client use	40-50 pers.
3	How many frequency use	800-1,000 Time
4	This project has relate data to other system	PCB PARTS CONTROL