

## SUMITOMO RUBBER THAILAND

Presented by

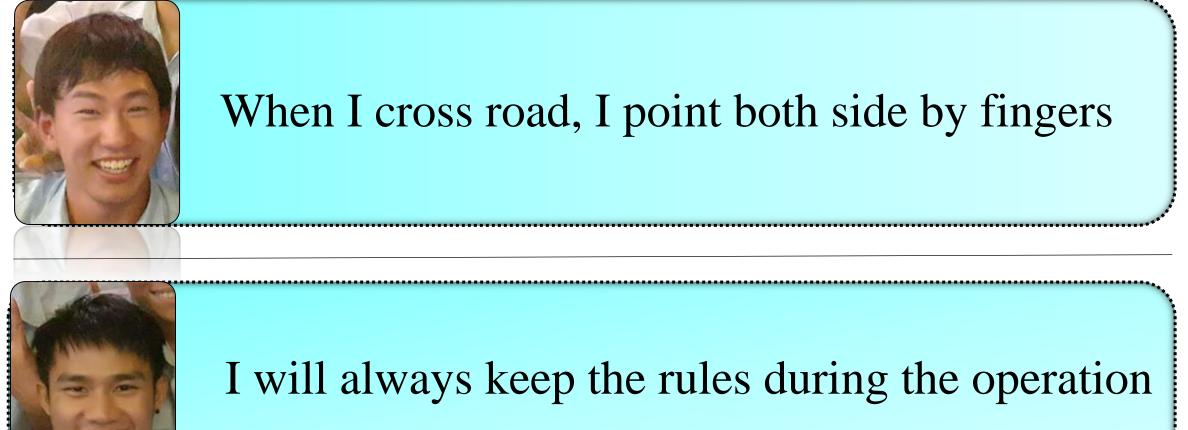


RUBBER THAILAND

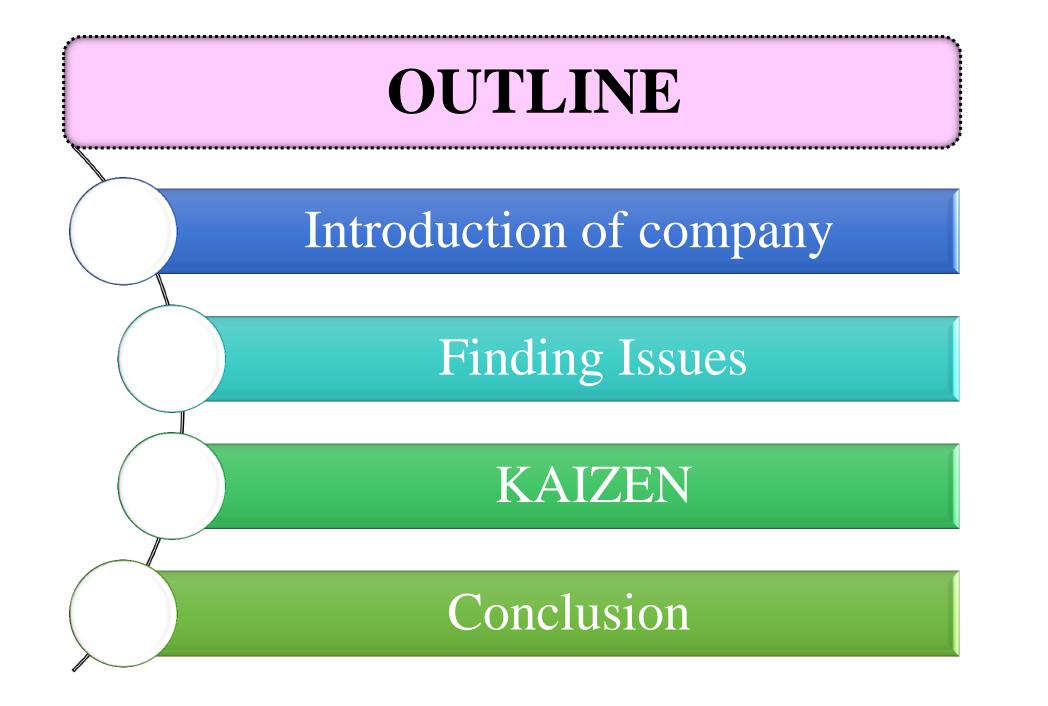
TORU KIRA (TUMSAT) SAKDA JAMPASA (CU)



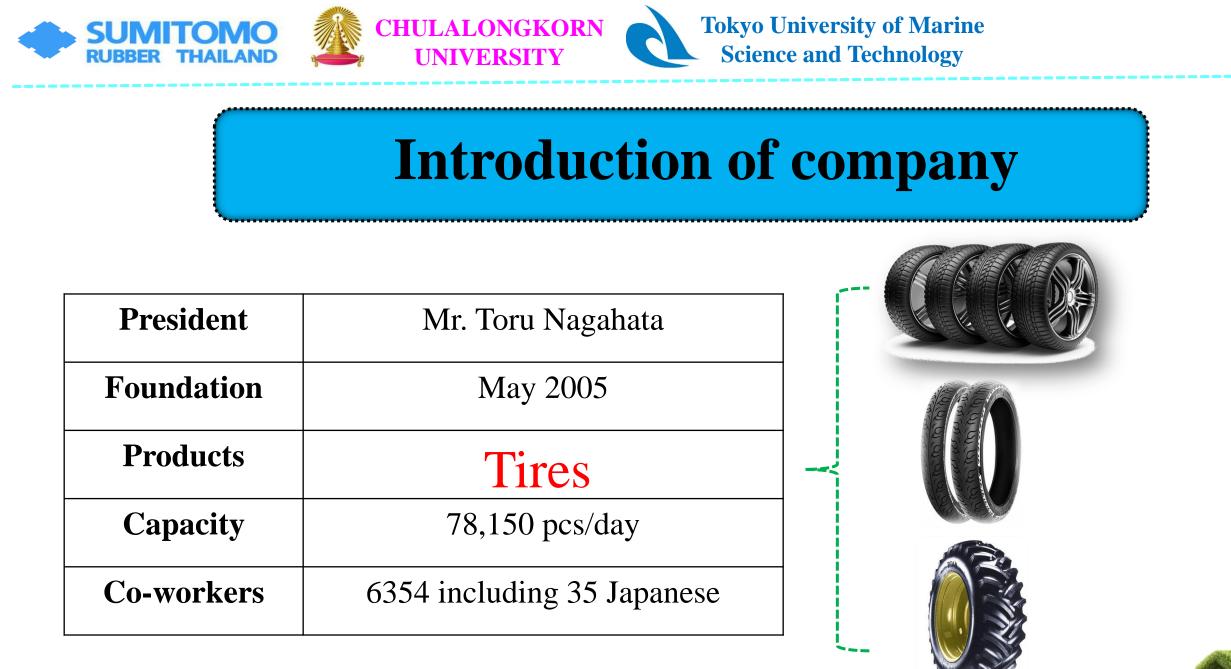
## **Our Safety Motto**

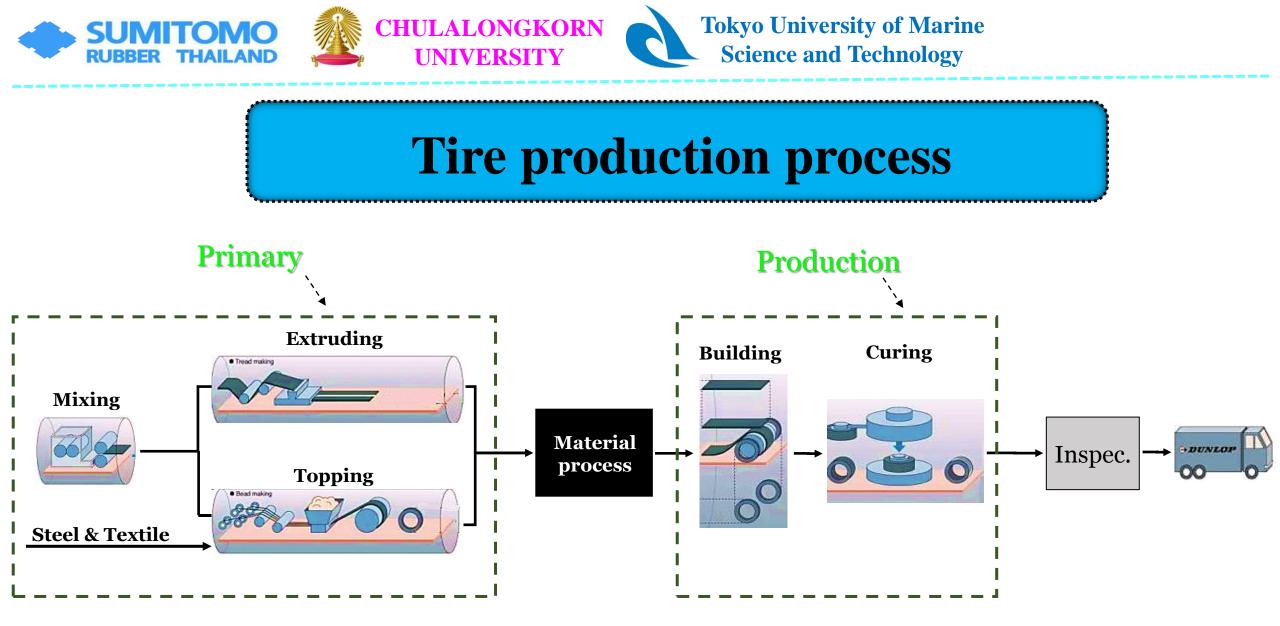






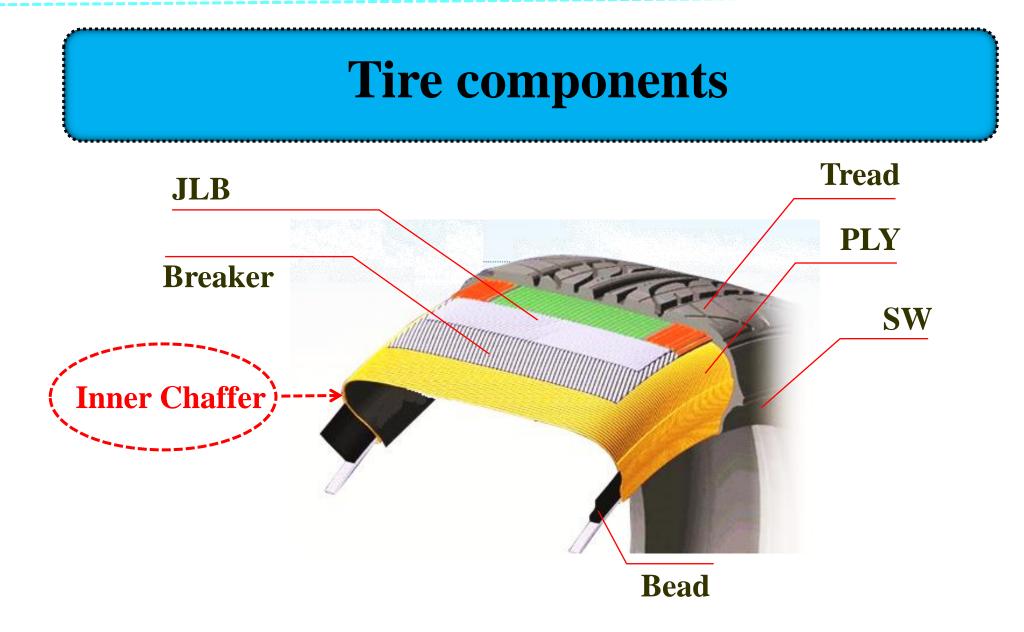










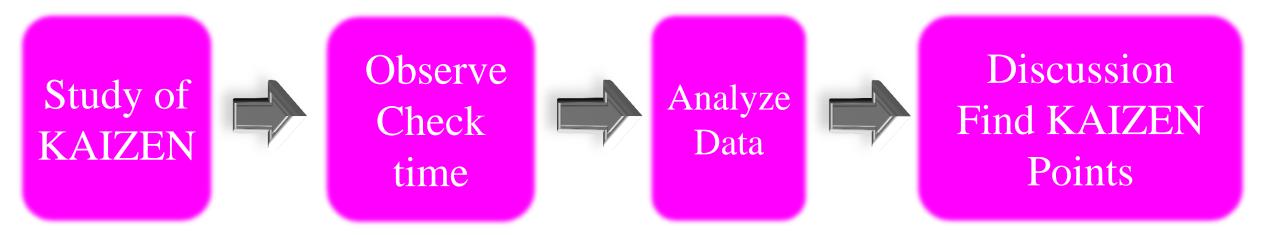




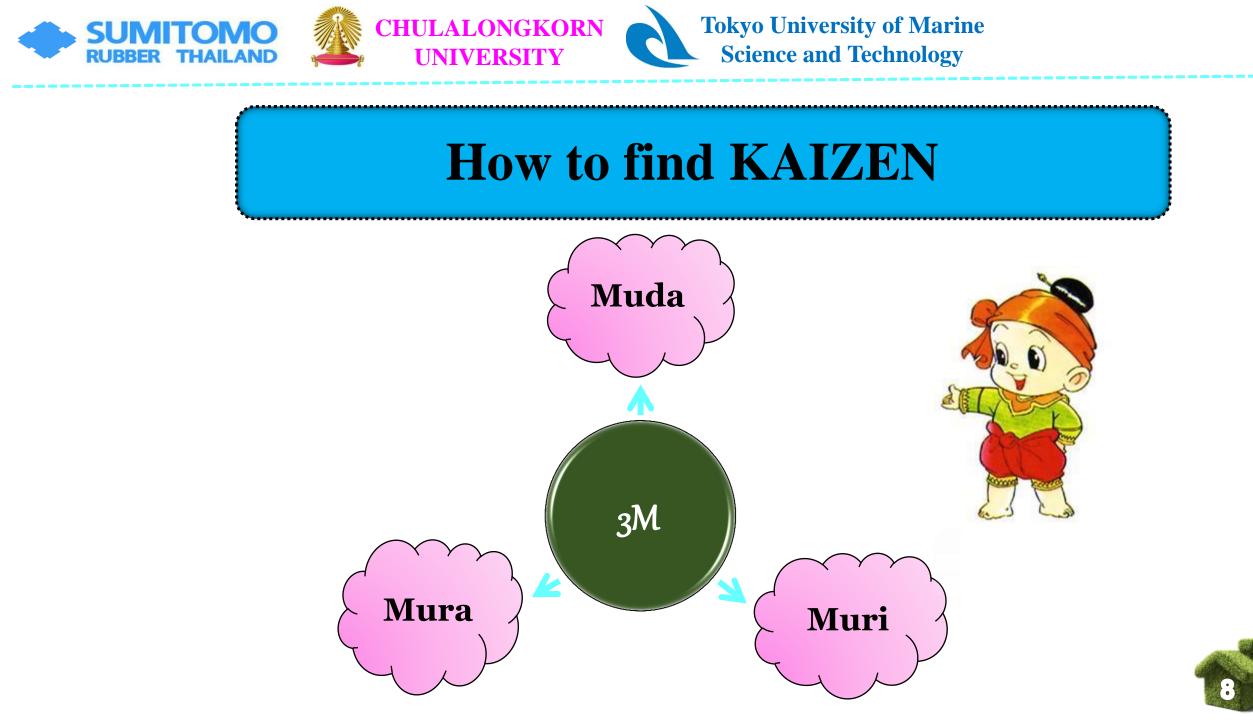


## How to do WOA

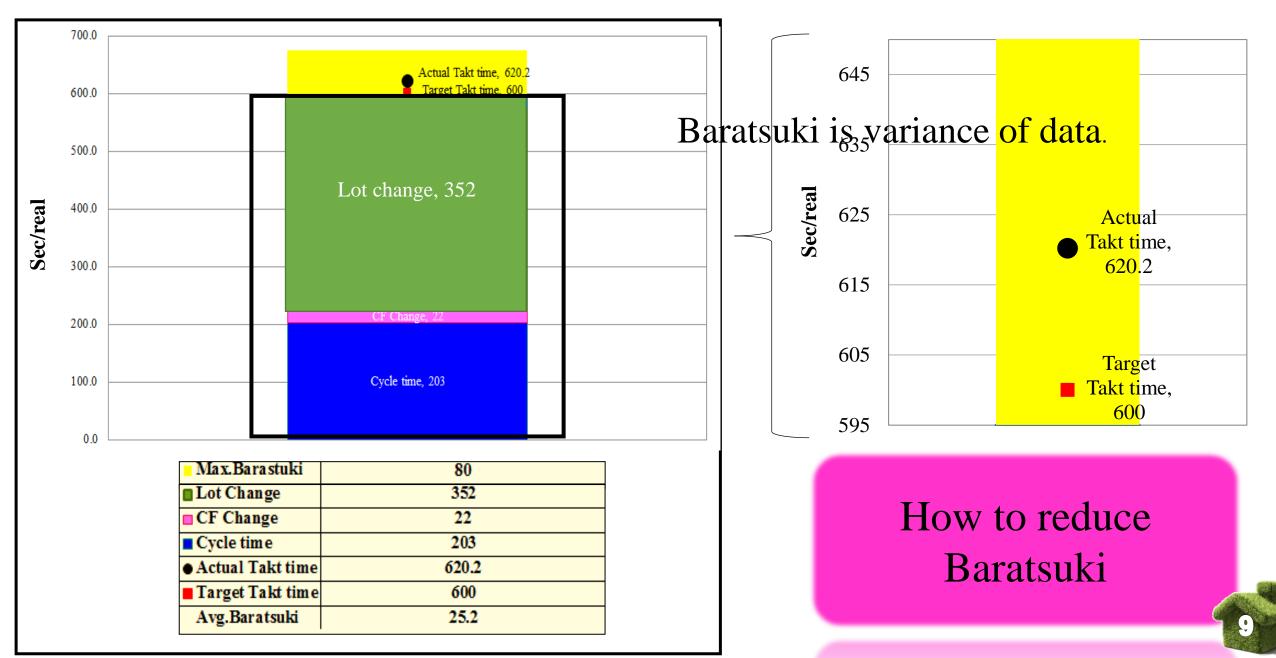
### WOA=WORK OBSERVE ACTIVITY







### Yamazumi chart of Inner Chaffer #1







**UNIVERSITY** 



## **Data analysis**

STD Time		Baratsuki	% Loss	
Cycle time	203	17.2	<b>74%</b>	
CF Change	22	0.8	3%	
Lot Change	352	5.2	23%	
Total (sec)	577	23.2	100%	

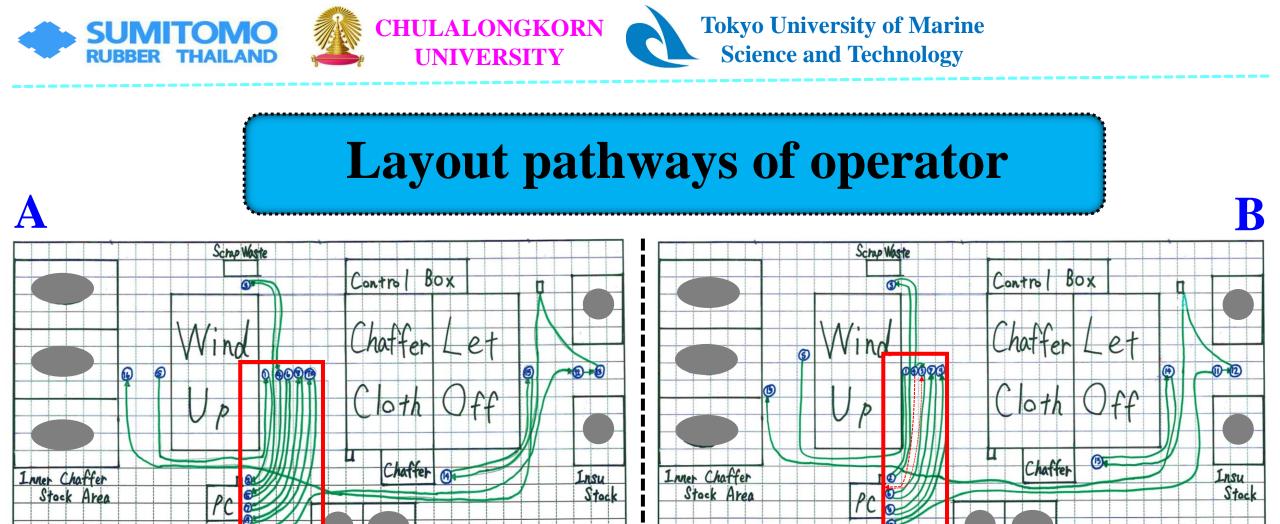
Bar	atsuki cycle (	(sec)	
17.0	Length/reel	9.2	
17.2 sec	Operation	8.0	KAIZEN
	Total	17.2 sec	





**Timing is different depending on operators** 





**Starting** : setting Liner **Finish** : Stock Mat.

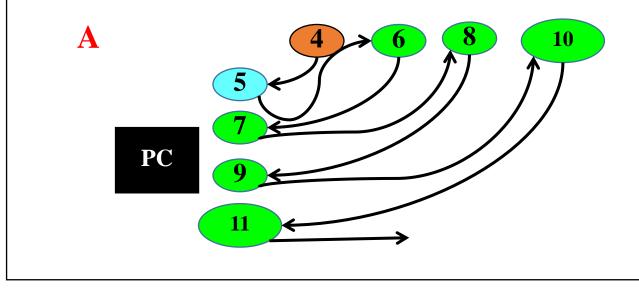
Chaffer Stock

Quality	Safety	Stock
•	+	•

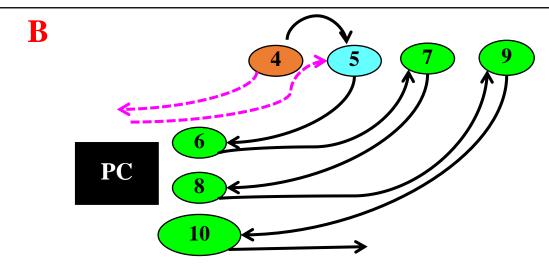


Chaffer Stock

## **Comparison of layout pathways**



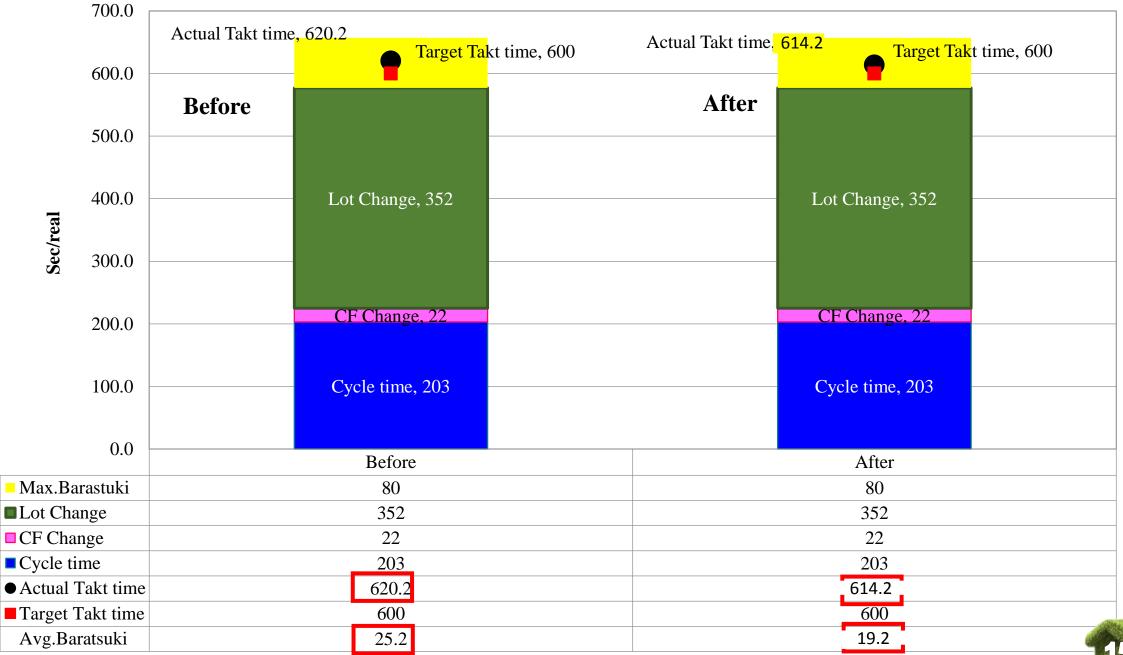
step	Pathway A	Hand	Auto
4	Setting CF		
5	Auto		21
6	Check WID#1	12	
7	Auto		59
8	Check WID#2	12	
9	Auto		92
10	Check WID #3	13	
	Total	37	172



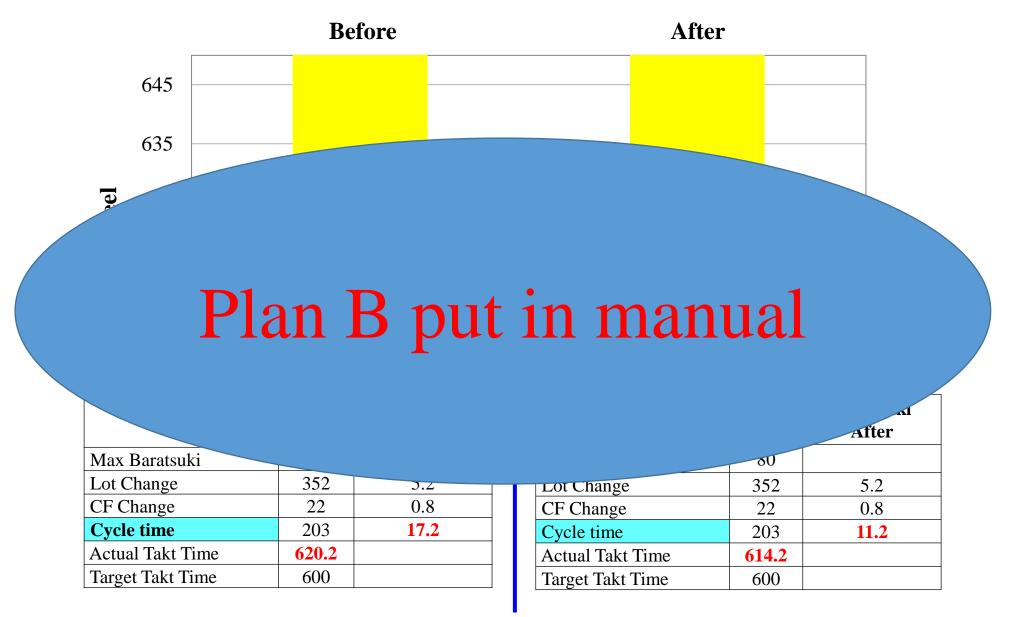
step	Pathway B	Hand	Auto
4	Setting CF		
5	Check WID#1	6	
6	Auto		99
7	Check WID#2	12	
8	Auto		73
9	Check WID #3	13	
	Total	31	172



#### Yamazumi chart comparison



#### Yamazumi chart comparison





Actual Takt Time = Necessary loss + Ave. Barasatki + Cycle Time

**SAKDA's impression** 





## **TORU's impression**

## Communication

Safety

Keep rules







## Product Development of Food



# Thank you for your dention

SUMITONO

Domas

SUMITOMO