

MMS for Smart Factory

Manufacturing Management Solution



Auto & S.I

URL : www.autonsi.com

Phone : +84-0285-4107-987

Mob : +84-028 3636 9004

E-mail : jacky0809@hanmail.net

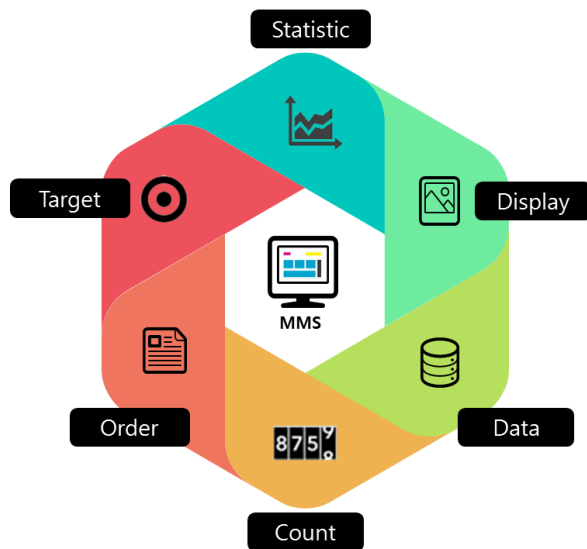
2019.11

1. Introduction

- Provides real-time management of target volume and production completion quantity information.
- Input counter method is the App Counter method installed on Android devices.
- The automatic input counter method is via the sensing sensor.



2. Functions



Order

Work order



Target

Job Objectives



Statistic

Data Report



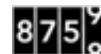
Display

Status Products



Data

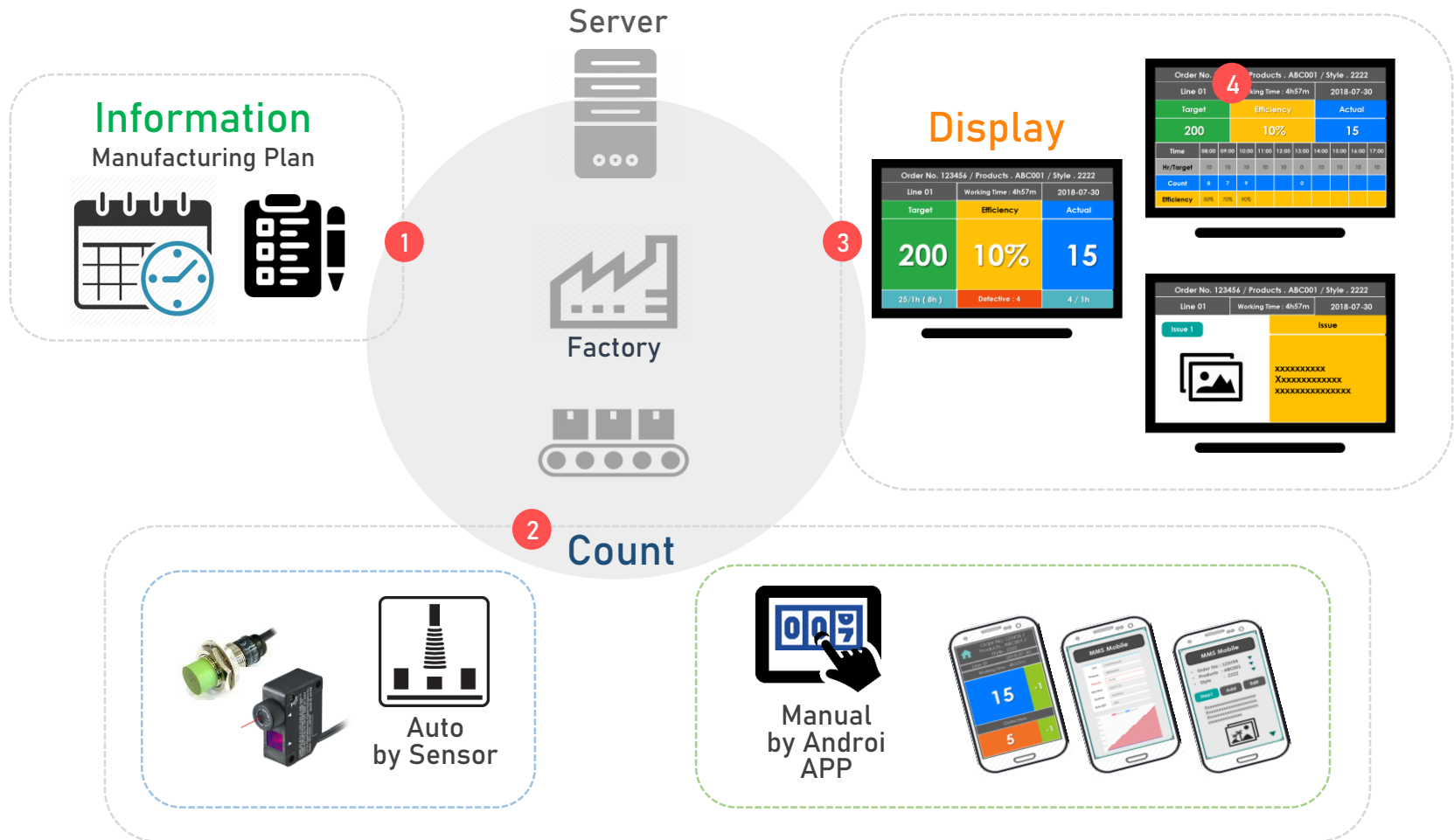
Data Recording



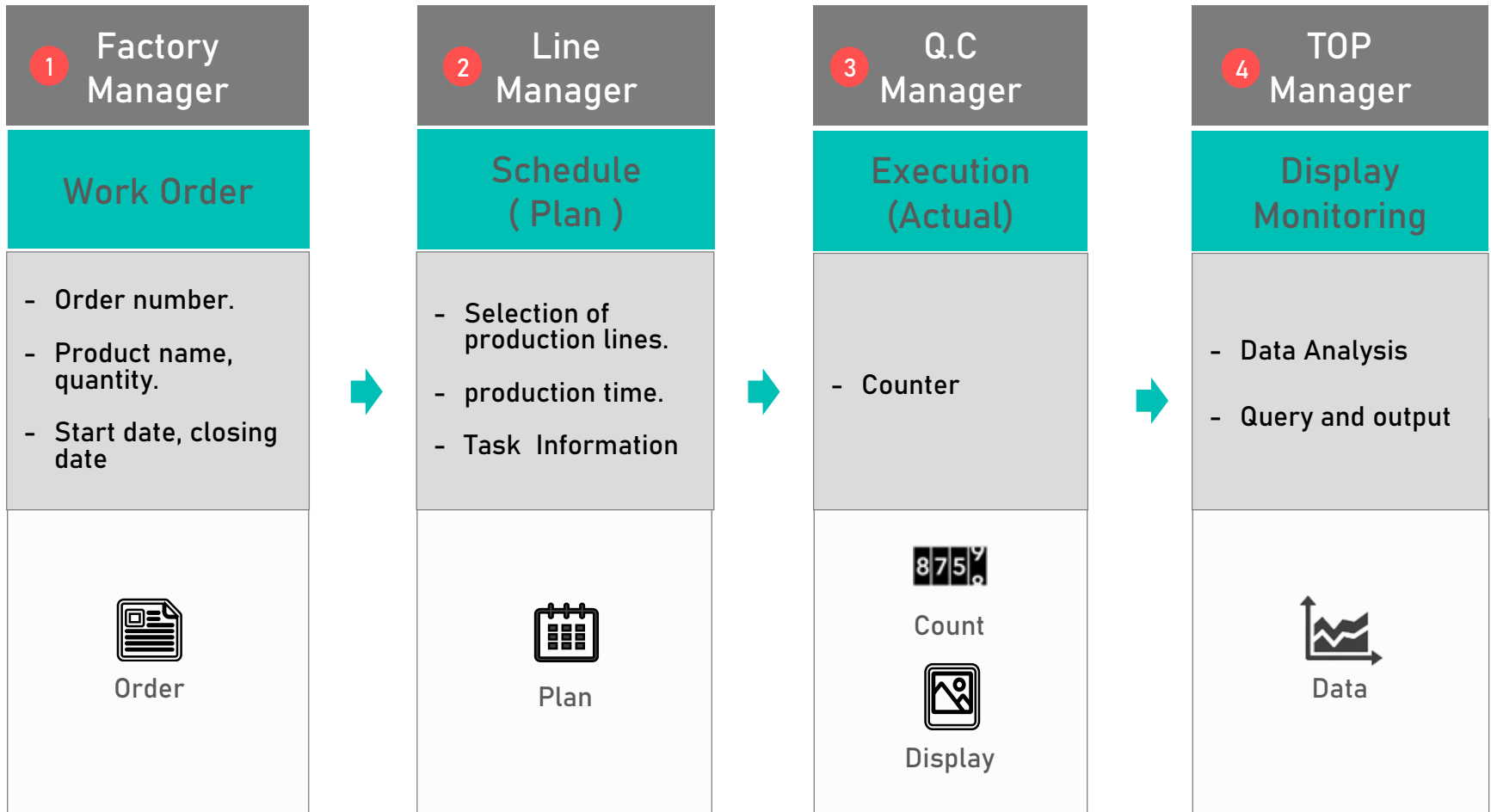
Count

Real-time counter

3. Operation of chart



4. Process of job

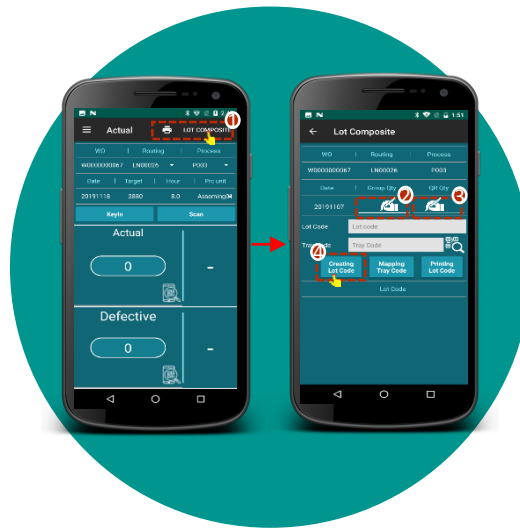


5. Function

1) APP Counting

- Android APP program works on your smartphone or tablet PC.
- Display order information and date.
- Counter for production volume, defect count on screen touch.

1 Internal Camera Scanner External Bluetooth Scanner



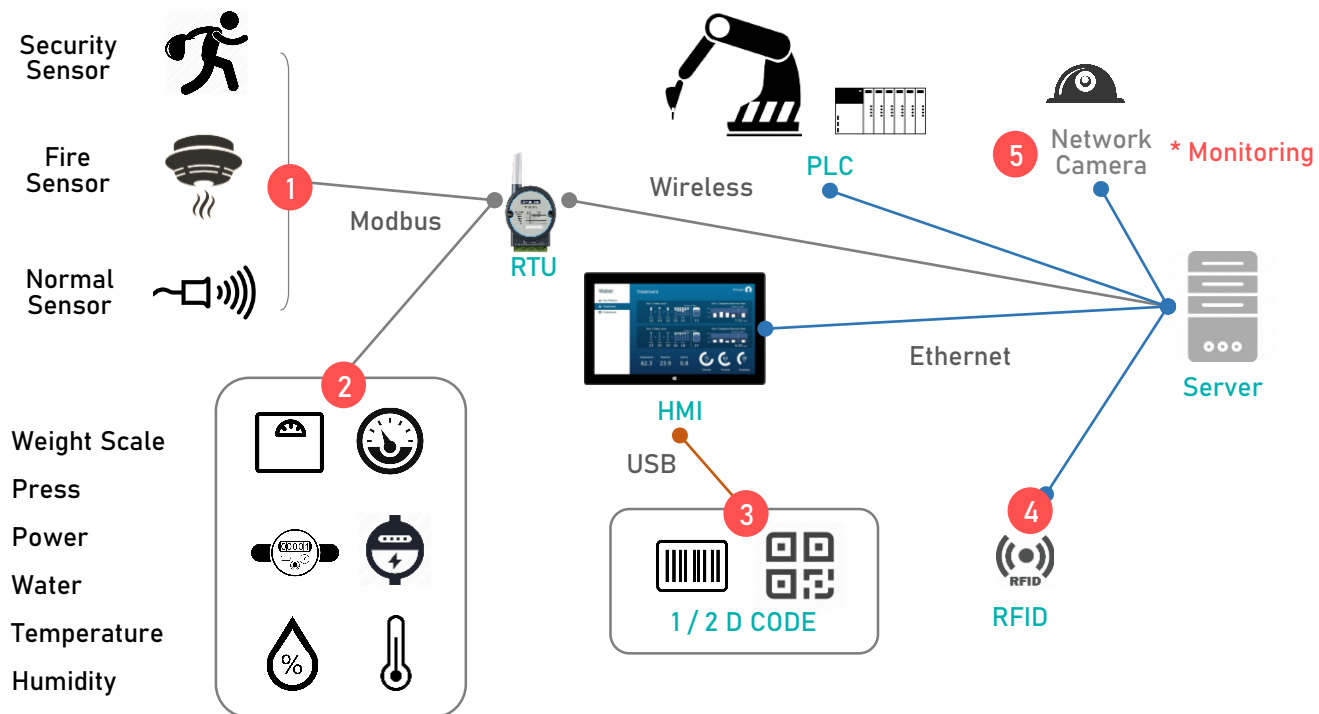
2 Mobile Printer



5. Function

2) IOT Counting

- It is possible to collect data from various devices (RTU, HMI, PLC, RFID, Sensor).

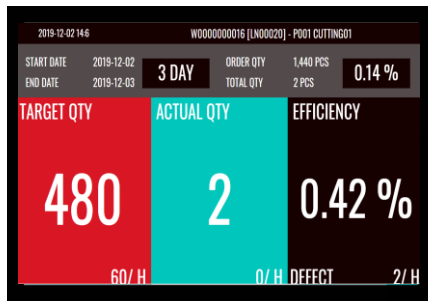


5. Function

3) Display

- Daily target production quantity, actual production quantity, total, fulfillment rate by time, defect count etc.
- Production information and issues, other screens are rotated.

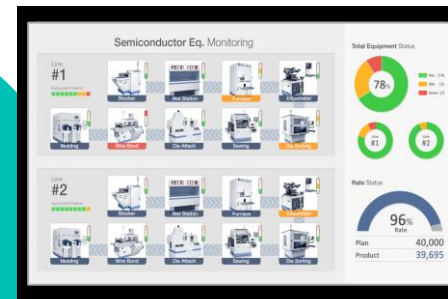
1 Daily Status Display



2 Time Line Status Display

START DATE	2019-12-02	3 DAY	ORDER QTY	1,440 PCS	0.14 %
END DATE	2019-12-03		TOTAL QTY	2 PCS	
Target Qty	480	Actual Qty	2	Efficiency	0.42 %
TIME	10:30	12:30	13:30	14:30	15:30
Target/Hr	60	60	60	60	60
Actual	0	2	0	0	0
Defective	0	2	0	0	0
Efficiency	0%	3.33%	0%	0%	0%

3 Process Status Display

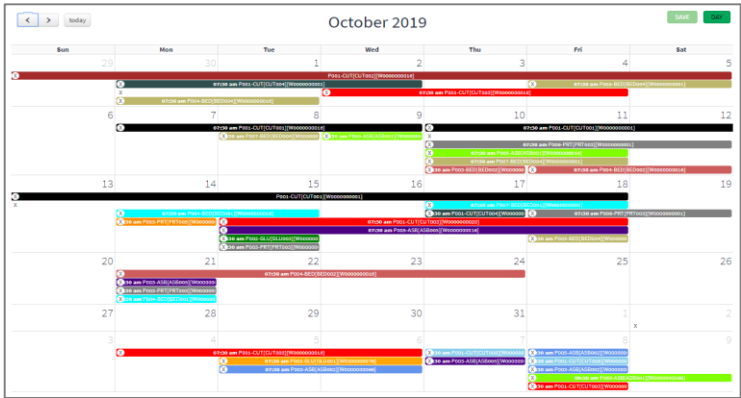


* Display Without Computer

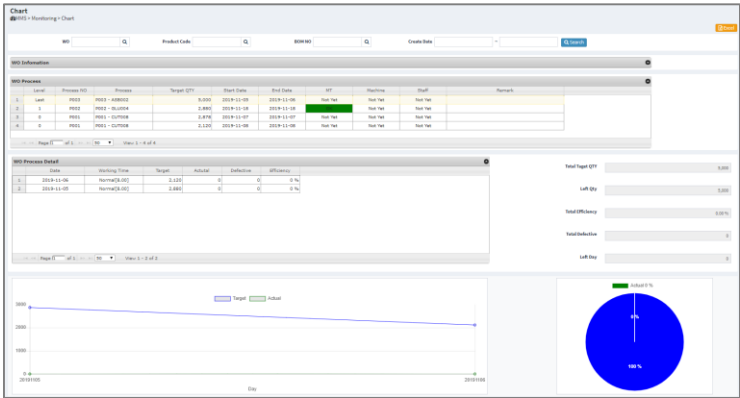
컴퓨터 연결 없이 스마트 TV에서 관련 정보 표출가능.

5. Function

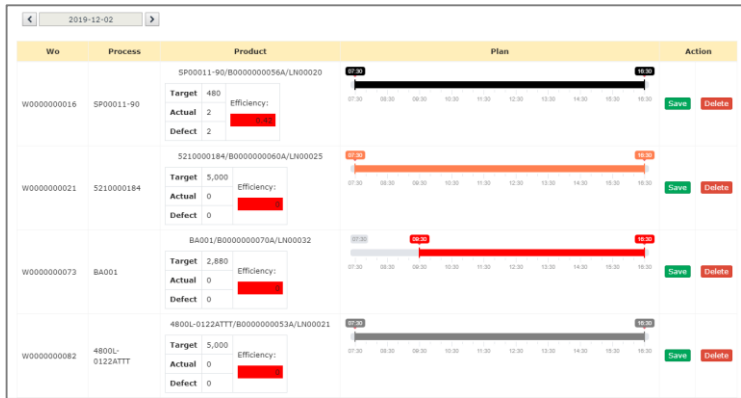
4) Schedule / Monitoring



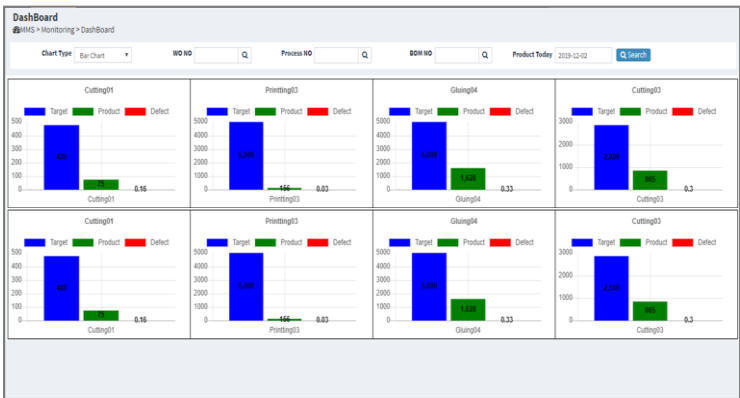
1 Scheduling - Monthly



3 Monitoring



2 Scheduling - Daily



4 Dash Board

5. Function

5) Report Sheet

Smart MMS Manufacturing Management System

Work Order Specification

BA001 [BagLG]

Document Code: 03-WO00000073-142027
Serial: 2019-12-02 14:27

Standard

WO NO	PO	Bom	Factory	Routing	Total Qty	Delivery date	Description
W0000000073		B0000000070A	FACTORY	LN00032	5,000		

Process and Material Information

Process Unit	Material Name	Width	Need Qty	Feeding	Unit	Division
GLU	10HJ2-1080-1000-1080	200 mm	1			
CUT	1AT-801052-25-100-2.5	25 mm	1			

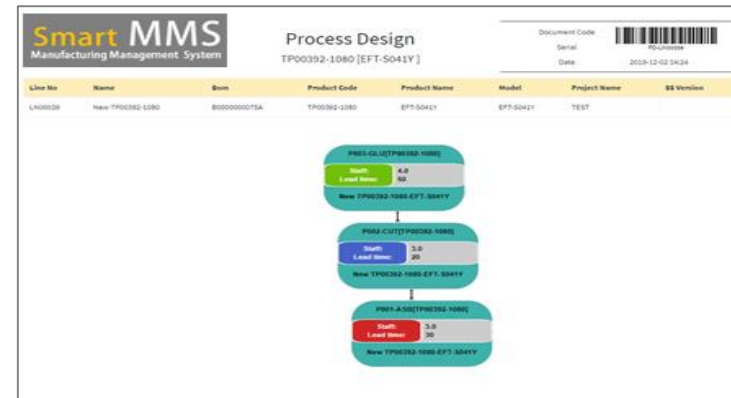
Process and Machine

Process Unit Code	Machine Type	Machine Code	Start date	End date
No matching records found				

Process and Staff

Process Unit Code	Staff Id	Name	Type	Start date	End date
No matching records found					

1 WO Specification (작업 지시서)



3 Process Design(공정 연결도)

Smart MMS Manufacturing Management System

Routing

TP00392-1080 [EFT-S041Y]

Document Code: 03-UN0000000000
Serial: 2019-12-02 14:28

Standard

Line Code	Name	Bom	Product Code	Product Name	Model	Project Name	SS Version	Part Name	Standard	Customer Rev	Order Number	Takt Time
LN00039	New TP00392-1080	B0000000075A	TP00392-1080	EFT-S041Y	EFT-S041Y	TEST						30

Process

Line Code	Level	Part	Process Type	Lead Time	Staff	Feeding	Unit	Division	Material	Material Name	Width	Need Qty
LN00039	Last	P003[impart03]	GLU	50	4				2AS 10HJ2-100-500-50	2AS 10HJ2-100-500-50	100 mm	1
									2AS 10HJ2-100-200-20	2AS 10HJ2-100-200-20	100 mm	1
									1AT-801053-90-200-18	1AT-801053-90-200-18	90 mm	1
									1AT-801054-75-100-1.5	1AT-801054-75-100-1.5	75 mm	1
									DCA-1213TH-1000-200-200	DCA-1213TH-1000-200-200	1000 mm	1
									2AS 10HJ2-100-1000-100	2AS 10HJ2-100-1000-100	100 mm	1
		P002[impart02]	CUT	20	3				1AT-801052-1030-200-206	1AT-801052-1030-200-206	1030 mm	1

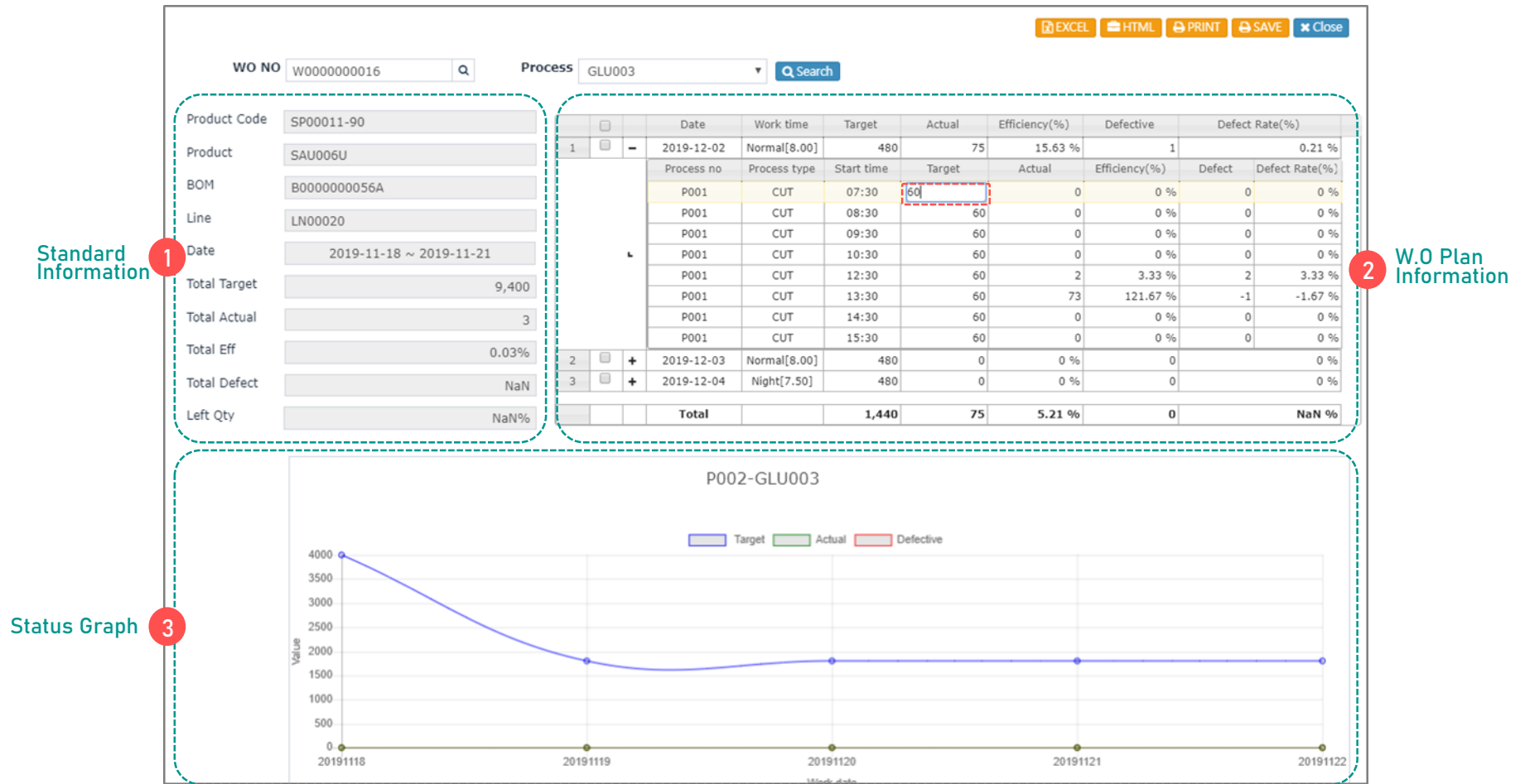
2 Routing Specification (공정 상세서)



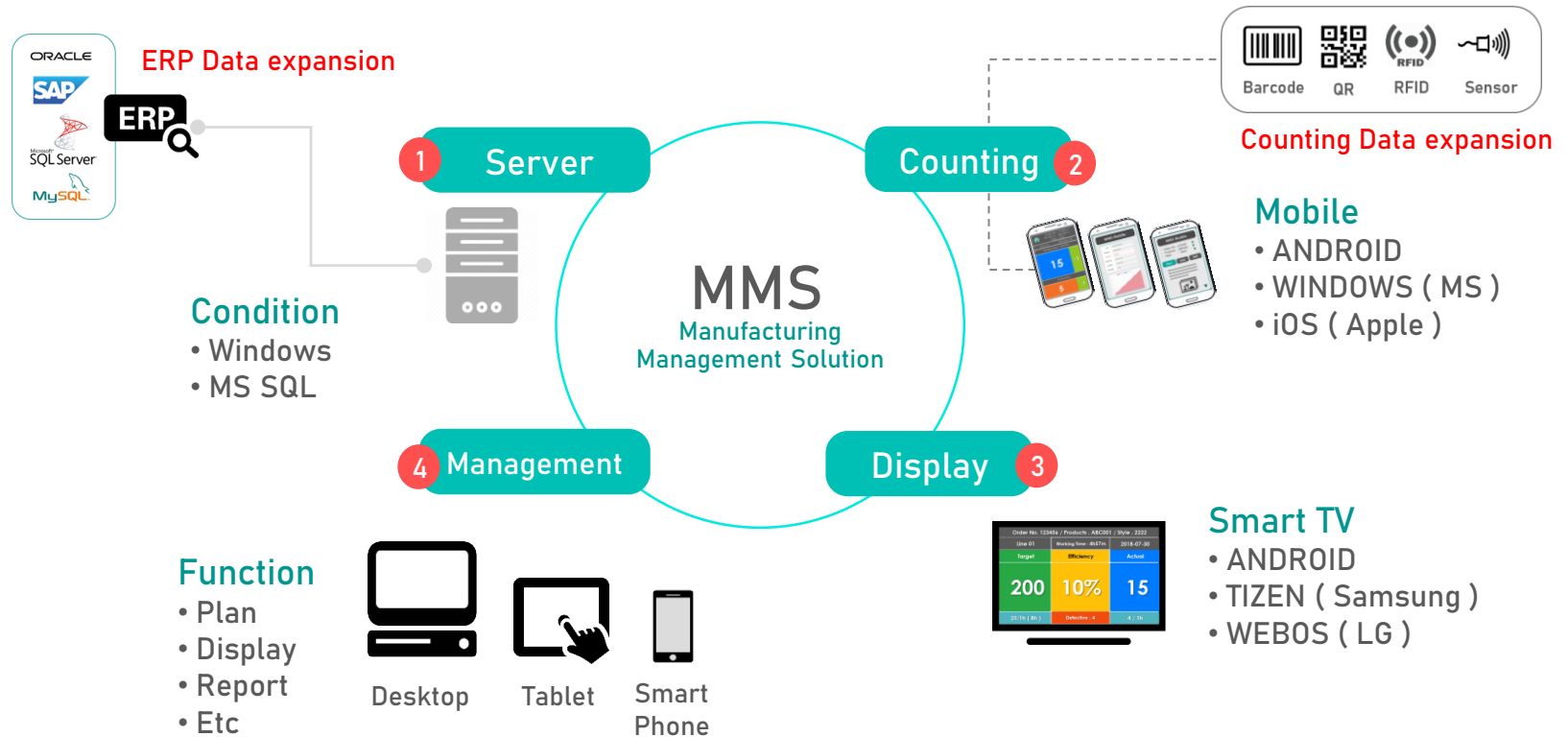
4 WO Report (작업 보고서)

5. Function

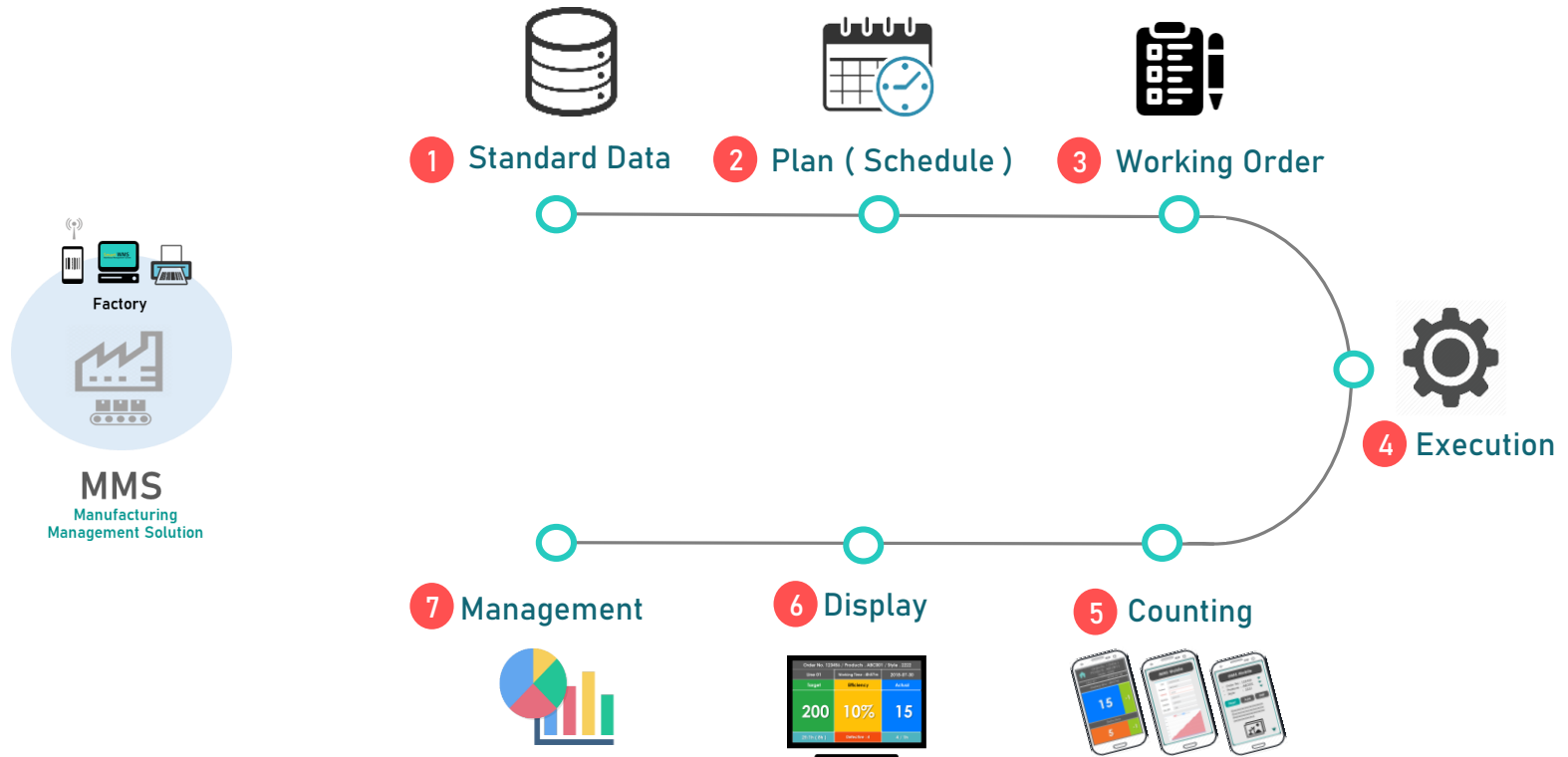
6) Status of Manufacturing



6. System Configuration



7. System Process



7. System Features



Web Base

- 1 Web-based programs that work on a variety of web browsers.
(Explore ,Chrome, safari, Firefox)



Multi Device

- 2 Desktop , Smart Phone, Tablet, Laptop .



User Authority

- 3 User-specific features and permissions settings.



Multi DC (Data Collector)

- 4 1,2D (Barcode, QR) RFID , I/O Signal (Sensor ,Switch), PLC, HMI Data



Multi DB (Data Base)

- 5 Various Database Interworking for ERP Data Interworking (MS, My SQL , ORACLE, ETC)