

PT.DSEC SMART SYSTEM

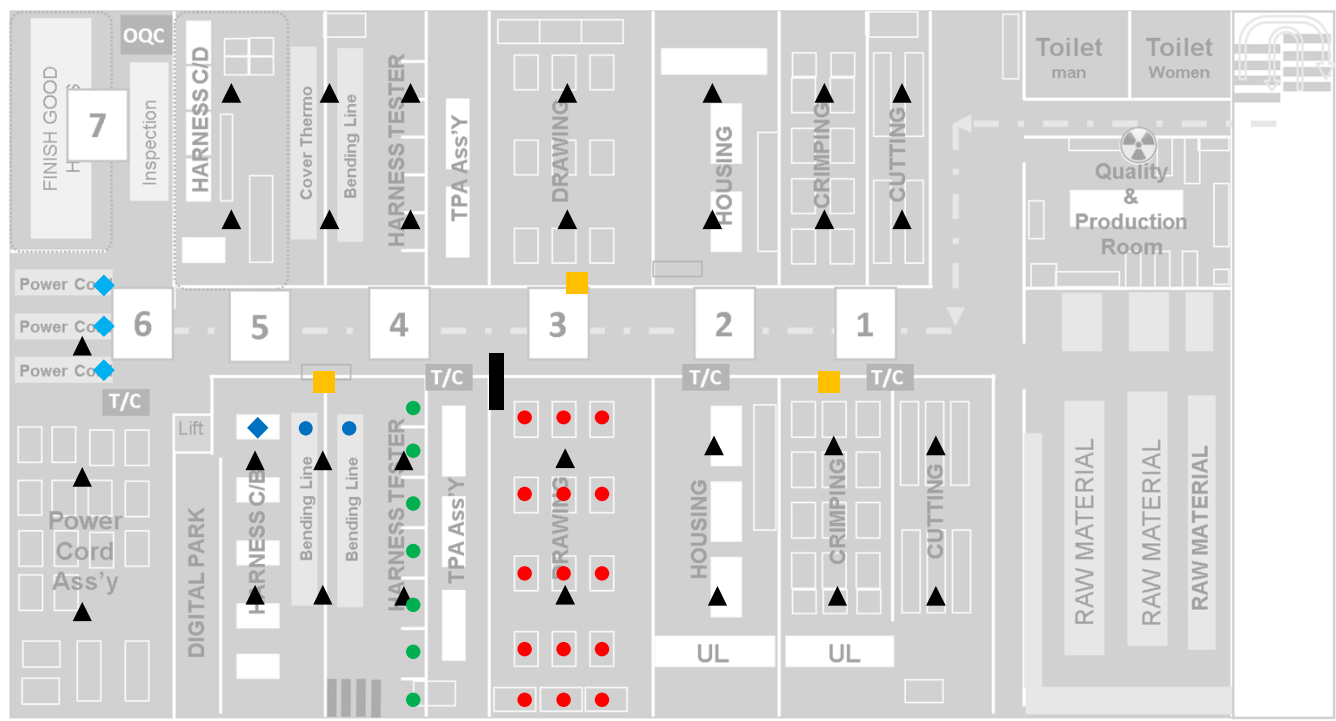
2021. 11. 8 Rev3.0



INTERNEX

ICT Development Solutions | www.internex.co.id

DSEC SMART SYSTEM LAYOUT



▲ BUTTON

■ ANDON DISPLAY



FULL PROCESS SMART SYSTEM (No current program competitiveness + Mini PC problem)

◆ POWER CORD

◆ HARNESS

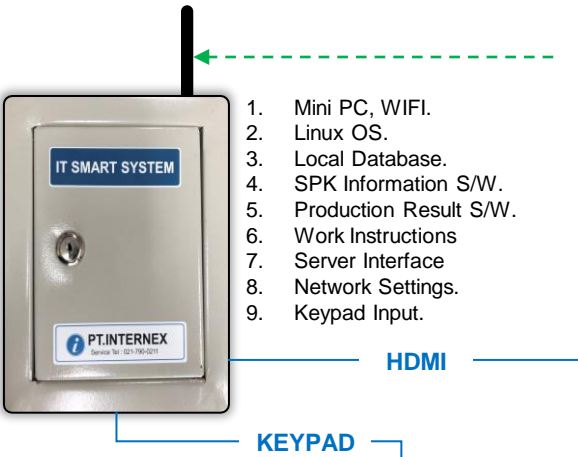
● BENDING

● INJECTION

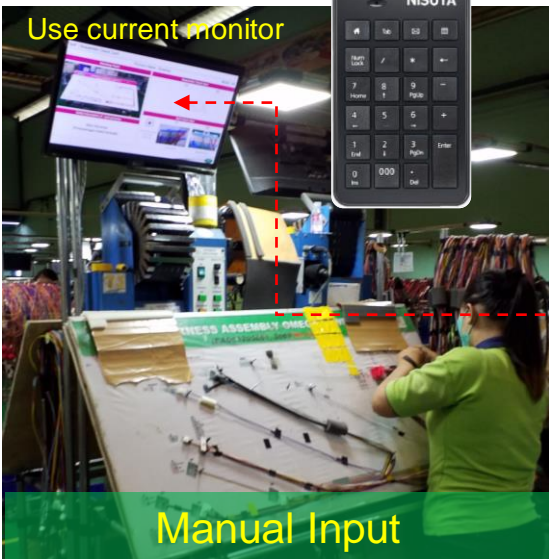
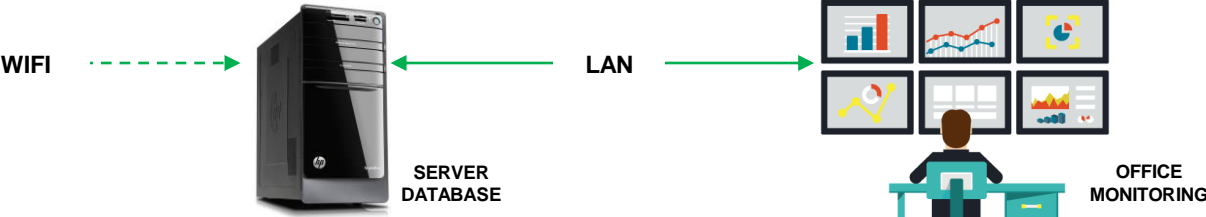
● DRAWING

MARK	PROCESS	QTY
■	Production Status	3
■	Andon Display	1
▲	Andon Button	31
●	Drawing Display	15
●	Injection Display	7
●	Bending Display	2
◆	Harness Display	1
◆	Power Cord Display	3

■ DRAWING WORKER DISPLAY



1. Mini PC, WIFI.
2. Linux OS.
3. Local Database.
4. SPK Information S/W.
5. Production Result S/W.
6. Work Instructions
7. Server Interface
8. Network Settings.
9. Keypad Input.



PUTRI

DRAWING PRODUCTION

2021-11-8 10:00:00

Date

2021-11-8 ▼

Today

DB Local

TCP

NO	NAME	PART NO	LOT QTY	RESULT	BALANCE	%	START	END
1	PUTRI	E0000000062	50	50	0	100%	07:00	08:00
2	PUTRI	E0000000063	400	100	-300	25%	08:00	
3	PUTRI	E0000000064	200					
4	PUTRI	E0000000065	30					
5								

PART NO : E0000000063

Work Instructions

TODAY TOTAL

LOT QTY	RESULT	BALANCE	%	TODAY TOTAL
400	100	-300	25%	150

TIME	07	08	08	09	09	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
30min	20	30	60	40	0																	
TOTAL	20	30	110	150	150																	

KEYPAD

Home

Date (7)

SPK(8)

WORK-I(9)

+ (enter)

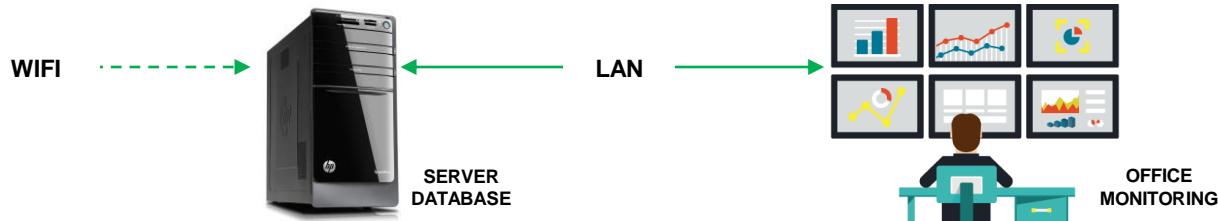
-

Restart(4)

Down(/)

OFF(*)

INSPECTION WORKER DISPLAY



JULIATI
INSPECTION PRODUCTION
2021-11-8 10:00:00

Date 2021-11-8 Today
DB Local TCP

NO	NAME	PART NO	LOT QTY	RESULT	BALANCE	%	START	END
1	JULIATI	E0000000062	50	50	0	100%	07:00	08:00
2	JULIATI	E0000000063	400	100	-300	25%	08:00	
3	JULIATI	E0000000064	200					
4	JULIATI	E0000000065	30					
5								

PART NO : **E0000000063**
Work Instructions

LOT QTY **RESULT** **BALANCE** **%**

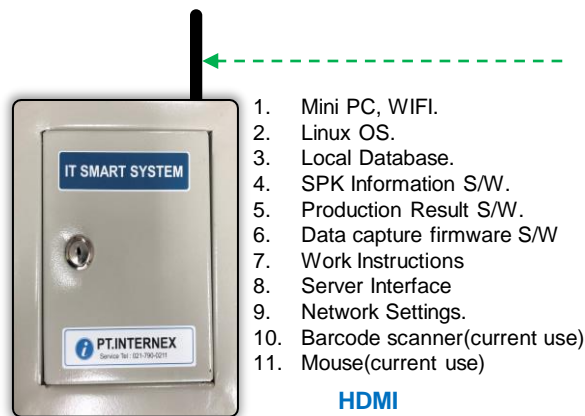
400 **100** **-300** **25%**

TODAY TOTAL
150

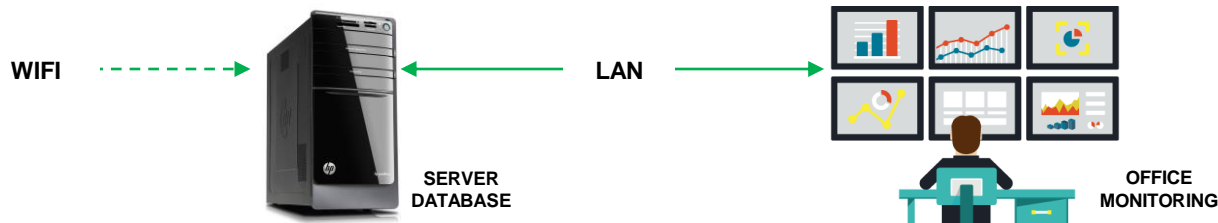
TIME	07	08	08	09	09	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	17	18
30min	20	30	60	40	0																	
TOTAL	20	30	110	150	150																	

KEYPAD
Home
Date (7)
SPK(8)
WORK-I(9)
+ (enter)
-
Restart(4)
Down(/)
OFF(*)

■ BENDING WORKER DISPLAY



BARCODE SCANNER MOUSE KEYPAD



LINE 1

BENDING PRODUCTION

2021-11-8 10:00:00

Date

2021-11-8 ▼

Today

DB Local

TCP

NO	LINE	PART NO	LOT QTY	RESULT	BALANCE	%	START	END
1	1	E0000000062	50	50	0	100%	07:00	08:00
2	1	E0000000063	400	100	-300	25%	08:00	
3	1	E0000000064	200					
4	1	E0000000065	30					
5								

PART NO : E0000000063

Work Instructions

TODAY TOTAL

	LOT QTY	RESULT	BALANCE	%	TODAY TOTAL
	400	100	-300	25%	150

TIME	07 30	08 00	08 30	09 00	09 30	10 00	10 30	11 00	11 30	12 00	12 30	13 00	13 30	14 00	14 30	15 00	15 30	16 00	16 30	17 00	17 30	18 00
30min	20	30	60	40	0																	
TOTAL	20	30	110	150	150																	

KEYPAD

Home

Date (7)

SPK(8)

WORK-I(9)

+ (enter)

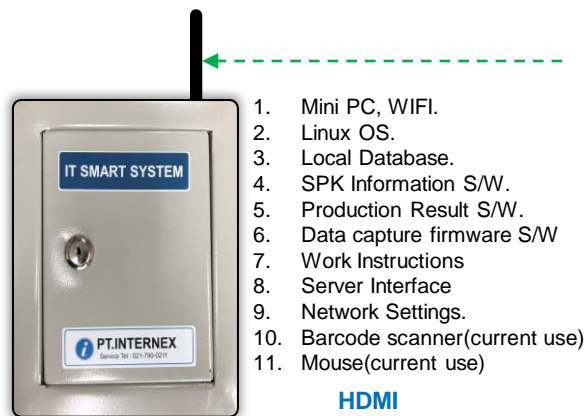
-

Restart(4)

Down(/)

OFF(*)

■ HARNESS ASSY WORKER DISPLAY



BARCODE SCANNER MOUSE KEYPAD



LINE 1 HARNESS ASSY PRODUCTION 2021-11-8 10:00:00

Date

2021-11-8 ▼

Today

DB Local

TCP

NO	LINE	PART NO	LOT QTY	RESULT	BALANCE	%	START	END
1	1	E0000000062	50	50	0	100%	07:00	08:00
2	1	E0000000063	400	100	-300	25%	08:00	
3	1	E0000000064	200					
4	1	E0000000065	30					
5								

PART NO : E0000000063

Work Instructions

TODAY
TOTAL

LOT QTY

RESULT

BALANCE

%

400

100

-300

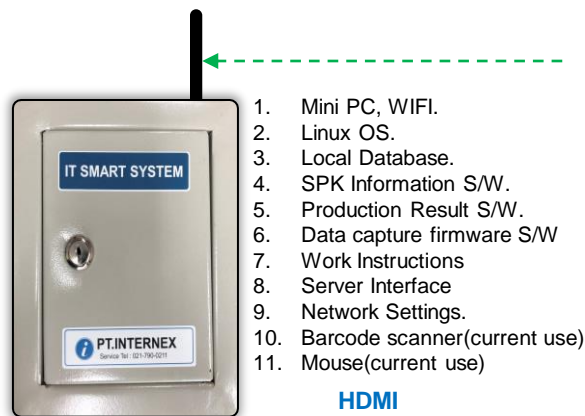
25%

150

TIME	07 30	08 00	08 30	09 00	09 30	10 00	10 30	11 00	11 30	12 00	12 30	13 00	13 30	14 00	14 30	15 00	15 30	16 00	16 30	17 00	17 30	18 00
30min	20	30	60	40	0																	
TOTAL	20	30	110	150	150																	

KEYPAD Home Date (7) SPK(8) WORK-I(9) + (enter) - Restart(4) Down(/) OFF(*)

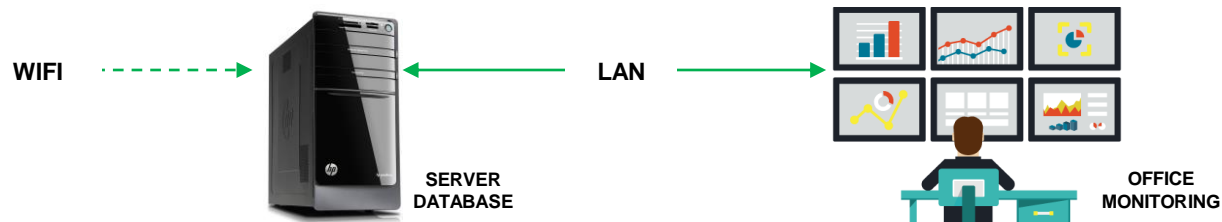
POWER CORD WORKER DISPLAY



BARCODE SCANNER MOUSE KEYPAD



Barcode Scan Counter



LINE 1

POWER CORD PRODUCTION

2021-11-8 10:00:00

Date

2021-11-8

Today

DB Local

TCP

NO	LINE	PART NO	LOT QTY	RESULT	BALANCE	%	START	END
1	1	E0000000062	50	50	0	100%	07:00	08:00
2	1	E0000000063	400	100	-300	25%	08:00	
3	1	E0000000064	200					
4	1	E0000000065	30					
5								

PART NO : E0000000063

Work Instructions

TODAY
TOTAL

LOT QTY

RESULT

BALANCE

%

400

100

-300

25%

150

TIME	07 30	08 00	08 30	09 00	09 30	10 00	10 30	11 00	11 30	12 00	12 30	13 00	13 30	14 00	14 30	15 00	15 30	16 00	16 30	17 00	17 30	18 00
30min	20	30	60	40	0																	
TOTAL	20	30	110	150	150																	

KEYPAD

Home

Date (7)

SPK(8)

WORK-I(9)

+ (enter)

-

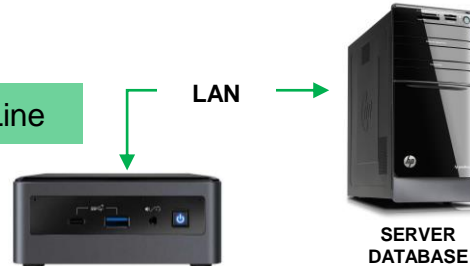
Restart(4)

Down(/)

OFF(*)

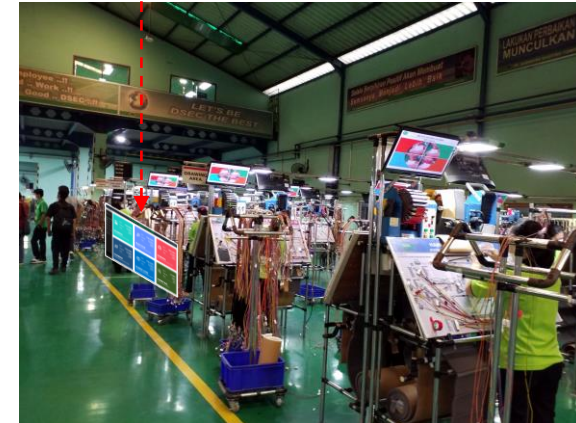
PRODUCTION STATUS DISPLAY

Production results : real-time monitoring Line



Monitoring system

1. Mini PC RAM 4GB Win10 * Current Mini PC use (scan)
2. Add Mouse and Keyboard.
3. Current monitor use
4. Web software monitoring (server connection)
5. Computer table
6. Network Settings.
7. LAN



PT.DSEC SMART SYSTEM

2021-11-8 9:00:00

ID : 110001

- Dashboard
- Drawing
- Injection
- Bending
- Harness
- Power Cord
- Andon
- Setting



Month 150,000
Yesterday 6,000
Today 200

DRAWING

Drawing process production results.



Month 150,000
Yesterday 6,000
Today 200

INJECTION

Injection process production results.



Month 150,000
Yesterday 6,000
Today 200

BENDING

Bending process production results.



Month 150,000
Yesterday 6,000
Today 200

HARNESS

Harness process production results.



Month 150,000
Yesterday 6,000
Today 200

POWER CORD

Power Cord process production results.

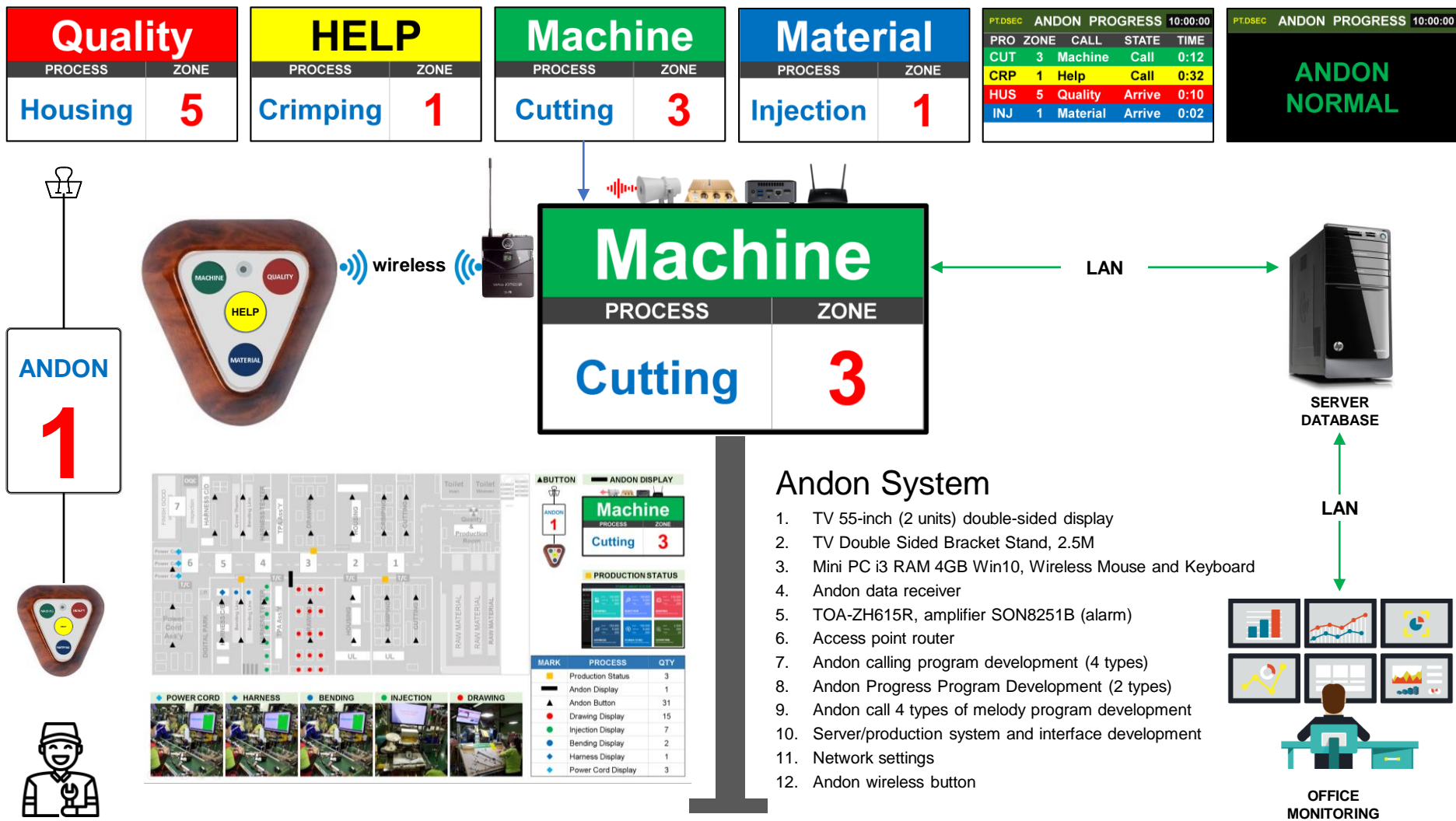


Month 2.500
Yesterday 200
Today 20

DOWNTIME

Call for production problems

■ ANDON SYSTEM TV55"



PT.DSEC SMART SYSTEM

LOGIN



ID : II0001

Dashboard

Drawing

Injection

Bending

Harness

Power Cord

Andon

Setting



Month 150,000
Yesterday 6,000
Today 200

DRAWING

Drawing process production results.



Month 150,000
Yesterday 6,000
Today 200

INJECTION

Injection process production results.



Month 150,000
Yesterday 6,000
Today 200

BENDING

Bending process production results.



Month 150,000
Yesterday 6,000
Today 200

HARNESS

Harness process production results.



Month 150,000
Yesterday 6,000
Today 200

POWER CORD


Power Cord process production results.



Month 2.500
Yesterday 200
Today 20

DOWNTIME

Call for production problems

 Setting

NAME _____

All ▼


Part NO

All ▼


2021-11-8 ▼ to 2021-11-8 ▼


Search

Down Excel


 ID : II0001

 Dashboard Drawing




 Injection



Bending



Harness

 Power Cord Andon Setting[illegible]

LINE

All ▼


Part NO


All ▼


2021-11-8 ▼ to 2021-11-8 ▼


Search

Down Excel


 ID : II0001

 Dashboard Drawing


 Injection




Bending



Harness

 Power Cord

Andon

 Setting

TOTAL

LINE

All ▼


Part NO


All ▼


2021-11-8 ▼ to 2021-11-8 ▼


Search

Down Excel


 ID : II0001

 Dashboard Drawing




 Injection



Bending



Harness

 Power Cord Andon Setting[illegible]

LINE

All ▼

Part NO


All ▼


2021-11-8 ▼ to 2021-11-8 ▼


Search

Down Excel




TOTAL

 Dashboard Drawing

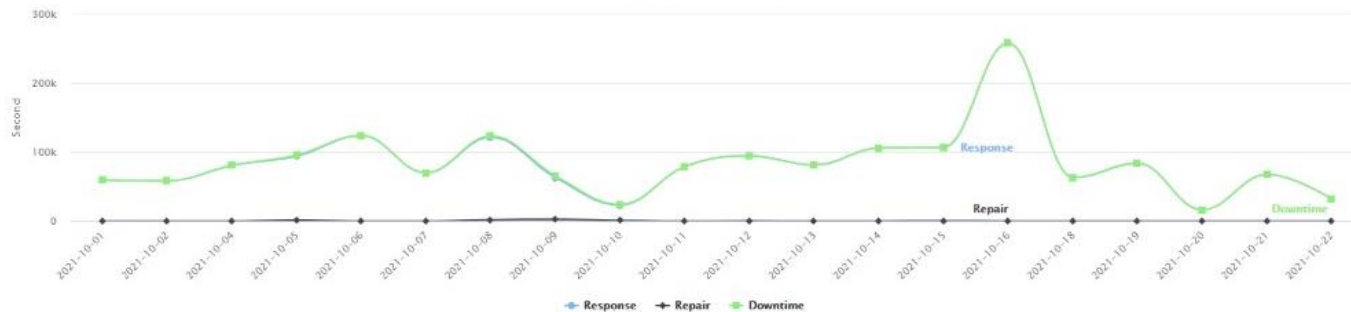
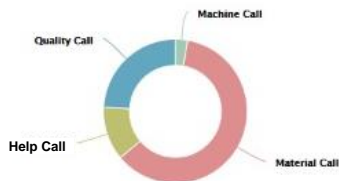
 Injection


Bending

Harness

 Power Cord Andon Setting

Monthly Andon Summary

[illegible]


Showing 1 to 10 of 555 entries




UPLOAD SPK DATA

 ID : II0001


 Dashboard


 Drawing

 Injection

 Bending

 Harness

 Power Cord

 Andon


 Setting


ADD EXCEL DATA


PLEASE ADD SELECT EXCEL FILE


PT.DSEC Excel data → Smart Server DB


+ Add


 ID : II0001


 Dashboard


 Drawing


 Injection

 Bending

 Harness

 Power Cord

 Andon

 Setting