

# IQMS *INTEGRATED QUALITY MANAGEMENT SYSTEM*

TAILOR MADE SOFTWARE SOLUTIONS



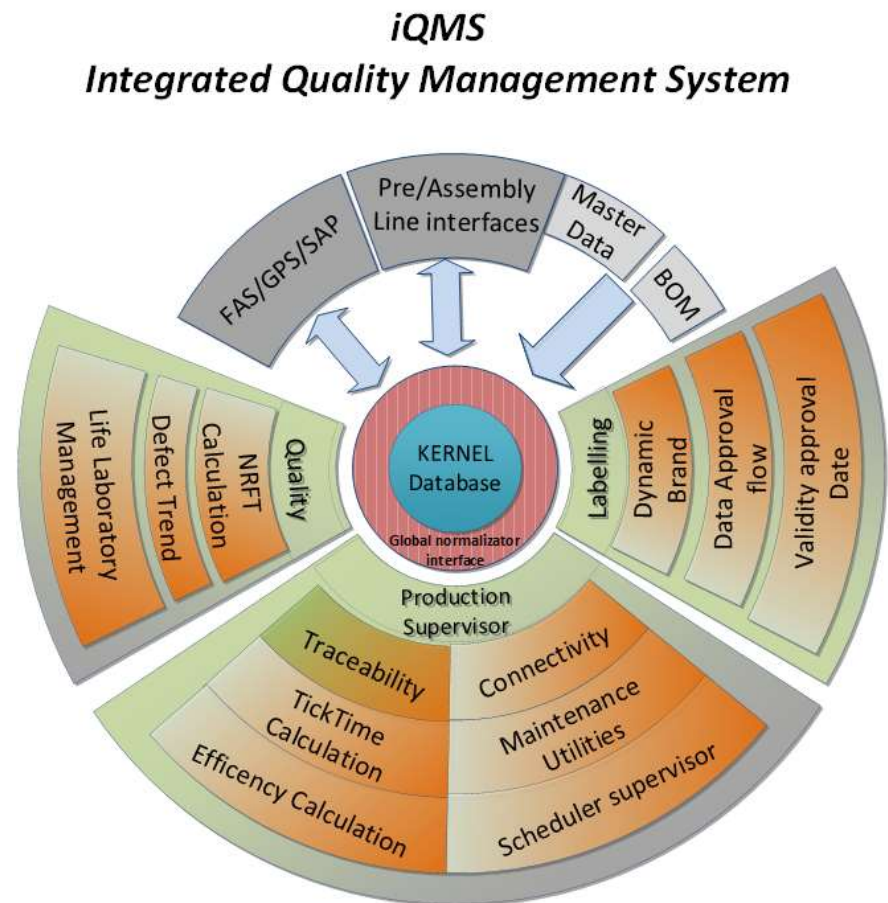
# IQMS – SERIAL NUMBER IS THE KERNEL

Just one database to manage all activities through generate unique serial number for any appliance.

Simple interface with all factories application

Simple management of data for keys departments

Simple structure for excellent results

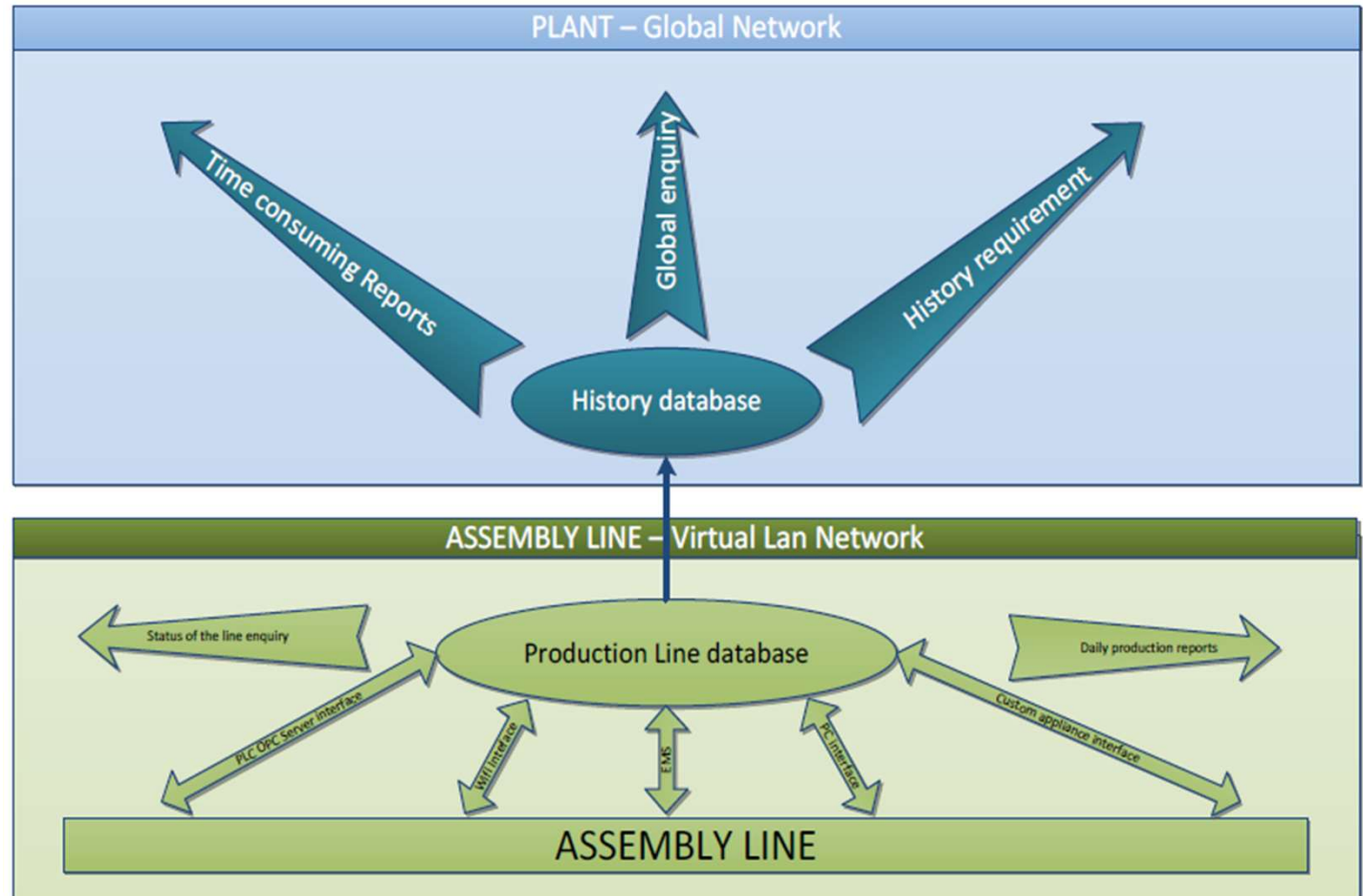


# IQMS – IQMS – ARCHITECTURAL STRUCTURE

TWO DIFFERENT STRUCTURES FOR TWO DIFFERENT TASKS

PLANT NETWORK  
for historical and  
reporting  
information (time  
consuming  
activity)

ASSEMBLY LINE  
NETWORK for  
currently online  
production (fast  
response action)



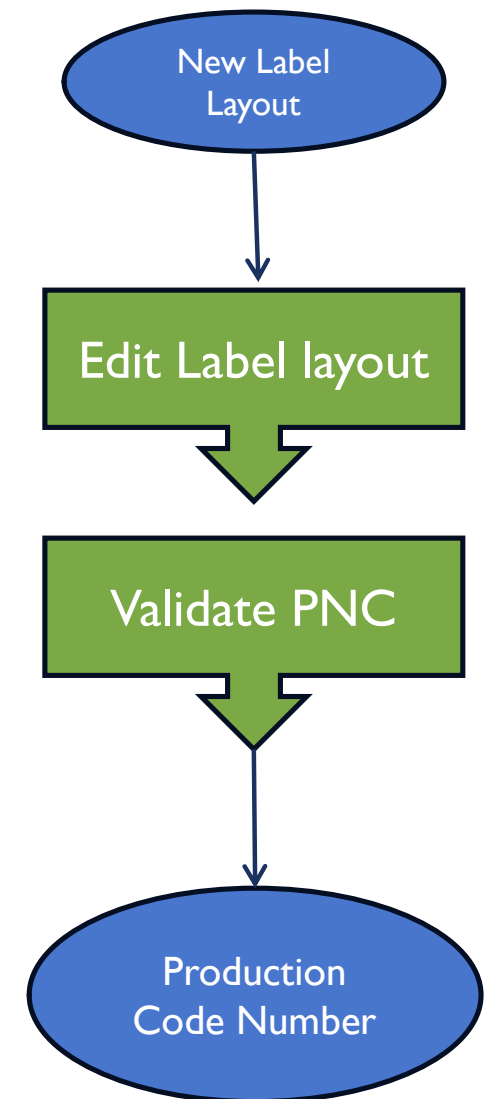
# IQMS – MAIN ACTIVITY

- Production supervisor Tasks scheduler,
- Management of all approval activities of master data,
- Approve and print all labels by planned Order or tasks,
- Start & Control scheduled appliance production on each area,
- Quality management of production by tests collection of data,
- Production monitoring and reporting,
- Production declaration.

# IQMS – GENERATING LABELS

- Create new label take two steps :
  - 1. Draw layout using a customized label editor
  - 2. Link all layouts on a PNC version and approve it through PNC validator functionality

**Production code number is automatically generated**  
to identify a set of labels to produce





# IQMS – EDITOR LABELS

The screenshot displays the IQMS Label Editor software interface. The main window shows a label design for a 'Standard Packaging Label' (Release Ver. 7). The label includes various fields and graphics:

- Model Designation:** BF 20M
- Weight:** 36,5 kg
- Type:** 71 BRF 03 AG
- Colour:** stainless-steel
- Voltage:** 50Hz
- Made in:** [Country]
- Product Number / MTL:** 94 27 400 / 00
- Serial Number:** [Field]
- Barcode:** [Barcode]
- Icons:** T3, CE, and handling instructions (upward arrows, umbrella, wine glass, crossed-out box).

The right-hand panel contains the **LABEL PROPERTIES** section, which includes:

- Mark Label:** Num Copy Layout: 2, Show Security Limit: 0.
- Dimension:** Height: 210, Width: 149.
- Margin:** Top: 25, Left: 20.
- Send To Back:**  Printable,  Fixed Position.
- Configuration:**  Visibility CFG.
- Dynamic Image Loading:**
  - Field: IF\_21
  - Dynamic Image Loading:  None,  IF\_02 - Brand,  IF\_03 - Approval,  IF\_21 - Stack Height.
  - Maintain Ratio: .
  - Rotate:  0,  90,  180,  270.
- TEST IMAGE:**
  - [5] - (id:161) packaging stack height 5 (A15553837)
  - [6] - (id:162) packaging stack height 6 (A15553838)

The left-hand panel contains a **Select Label** menu with options like Undo Enabled, Save, Cancel, Backround Image, Visible, Zoom, Add Object, and Delete.

- ☰ CERTIFIED APPROVAL FLOW,
- ☰ MULTI SESSION APPROVAL,
- ☰ SESSION APPROVE JUST SINGLE FIELD OF DATA,
- ☰ AUTOMATIC SENT OF MAIL AFTER ANY APPROVAL STEP,
- ☰ SPECIAL SESSION FOR FINAL RELEASE TO PRODUCTION,

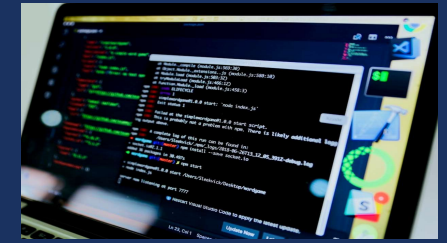
The screenshot shows the SAP PNC Labels Data interface. At the top, there is a filter section with fields for PNC, ANC, ELC, and EIC, and a search button. Below the filter is a session list table with columns: ID, PNC, ANC, ELC, Insert Date, Update Date, Empty Value, Changes, Release User, Release Date, Release, Approval data, Master data, Import EAN13\_Weight, and Import PNC Energy.

Below the session list is a detailed view of a session with 13 data fields. The fields are listed in a table with columns: Code, Name, Value, Field Content, Released Content, Multiple Value, Empty Value, Changes, Need Validation, Session, and Released User.

Code	Name	Value	Field Content	Released Content	Multiple Value	Empty Value	Changes	Need Validation	Session	Released User
32	ANC Energy Label Russia	Layout Nr. Energie Label Russland	[NR1]		→		●	📧	S009	IMPORT
1	ANC Power Rating Plate	ANC Leistungsschild	A07175101		→		●	📧	S03	IMPORT
2	Brand	Marke	ATG (A12909201)		→		●	📧	S03	IMPORT
3	Approval	Approbatoren	A1309101,A1309103		→		●	📧	S02	WEDELSIM
4	Model Designation	Modellbezeichnung	EC8455320M		→		●	📧	S03	IMPORT
5	Special Model Code	Spezialmodell[VersArtik/Modus/Wissen/TSZ]	[NR1]		→		●	📧	S03	IMPORT
6	Appliance Description Code	Gerätebeschreibung	EC_DS		→		●	📧	S03	IMPORT
7	Appliance Dimensions	Geräte Abmessungen	60x60		→		●	📧	S03	IMPORT
8	Color	Gerätefarbe	stainless steel		→		●	📧	S03	IMPORT
9	No. of turns in Packaging area	Anzahl der Durchläufe beim Verpackungsanleger	1		→		●	📧	S03	
10	Number of Power Rating Plates	Anzahl der Leistungschilder	1		→		●	📧	S03	IMPORT
11	Type	Typ	70 ADC 11 CD		→		●	📧	S02	WEDELSIM
12	Rated Voltage	Benennungsspannung [V]	230/400V2N/3N		→		●	📧	S03	IMPORT
13	Rated Frequency	Benennungsfrequenz [Hz]	50		→		●	📧	S03	IMPORT

# IQMS – MASTER DATA APPROVAL FLOW

# IQMS – PNC VALIDATION SCREEN



- Unique place to validate PNC version fields and labels,
- Preview of any layouts,
- Trace of user's action,
- Quality approval screen.

**Validate PNC**

Close OFFICE Generic station office users system\_setup

SHOW HIDDEN  PNC: <CALL> 914580208 [FNT]

Date	[Process Code] Note	Released	Release Info
16-04-2020 17:32	[ZP0046701] Released	4 3 6	22-04-2020 16:14:06 Valentina Polso

Rating Plate: 1 0 0  
NRG-EU: 1 0 0  
NRG-EU2020: 1 0 0  
Packaging: 1 0 0

Model E3  
Mod. EWT4722MF Type PL452341  
Distrib. [914580208] 01  
400 - NRG 220V  
040889001  
00003000914580208010400001

Close

MC: 914580208 [Frost Loaders]  
Process Code: ZP0046701  
Lands: E,P

SRV	Rating Plate	ENG
NRG-EU	NRG-EU	

Not Hidden Released

PNC: 914580208 [16-04-2020 17:32] ZP0046701 Image Definition Level: Minimum Medium Maximum

EBR Mode OFF

Label	Version	ID	Validation
SRV	Rating Plate	SRV_EU v.26	SRV_EU_OFFICIAL 22-04-2020 Valentina P

22-04-2020 16:13:47 Valentina Polso

Field Code	Field Desc	Actual Val	Its Print	Def Val	OK Val
F_33	GreenWeight_P	75	75		
F_34	CodeApproval	PL452341	PL452341		
F_15	ConnectedLoad	2200	2200		
F_16	Volt	230	230		
F_18	RequiredFuse	10	10		
F_19	Model	EWT4722MF	EWT4722MF		
F_20	Brand	ELECTROLUX	ELECTROLUX		
F_21	Appl	UL	UL		
F_22	CabinetType	HCC 54	HCC 54		
F_28	MixingCapacity	7,0	7,0	7,0	
F_32	WashingTechnology	OKO	OKO		
F_33	Model	Made in EU	Made in EU		
F_34	Connectivity	[NALL]	[NALL]		
F_37	Worktop	METAL	METAL		



# IQMS – INVOLVED DEPARTMENT

R & D

Production

Quality

T&M engineering

Maintenance

# IQMS : R&D

All instruments to produce a label in one system

Editor labels with programmable fields contents

Standardized flow to create new labels

Organize all labels needed for PNC in a unique production serial number

Historical tracking for know who and when validated labels

Paper reduction by collecting images of approved labels in historical main database

# IQMS – PRINT A WORK ORDER

## Nr. 3 Steps to Print Labels

1

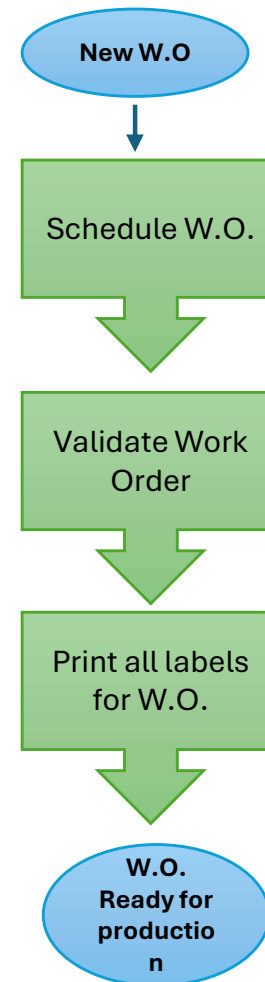
Receive planned workorder from MRP into iQMS system scheduler

2

Approve scheduled WO/Tasks to identify the needed Labels for production

3

Print all labels needed for selected WO (Service, Rating, Energy, Warranty, Packaging, etc)



# IQMS : PRODUCTION

All production lines activities under control in real time

Automatic efficiency Calculation reports

Rework management: all appliance coming from warehouse are keep under control

Tools warm backup to avoid stop of production

*Shipment management with interface to business Application for automatic generation of ship documents*

# IQMS – T&M ENGINEERING FRIENDLY INTERFACE

Common interface for any working place

Simplified user understanding

The screenshot displays the 'WorkStation State Line 01' window. It includes a 'Scanner' section with 'Run' and 'Error' buttons, an 'OPC' section with 'Run' and 'Error' buttons, and a 'Channel' section with 'LOC/REM' and 'PLC READY BAR' options. The 'DIRECTION' is set to '0'. The main area shows a barcode '000000009149104320170400114' and a 'WAIT BARCODE' section with 'Work Order 3000031079' and 'PNC.ELC 914910432.01'. A green 'Ok' button is visible. Below this, a table shows detailed information for various work orders.

WorkOrder	PNC.ELC	Qty Ordered	Total IN	Residual	Period IN	Total Re-IN	Period Re-IN
					<b>705</b>	<b>0</b>	
<b>3000031079</b>	<b>914910432.01</b>	<b>144</b>	<b>114</b>	<b>30</b>	<b>114</b>	<b>0</b>	<b>0</b>
3000031072	914913025.00	120	120	0	120	0	0
3000031071	914913436.00	168	168	0	168	0	0
3000031070	914913433.00	276	276	0	276	0	0
3000031069	914913026.00	108	108	0	27	0	0

The interface also features a 'Workplace' sidebar on the right with a list of workstations including L1\_SOL\_OPC, L1\_GRDTEST\_A\_OPC, L1\_DEC01\_OPC, L1\_GRODMAN\_OPC, L1\_VISTEST\_OPC, L1\_DEC02\_OPC, L1\_MTEST\_OPC, L1\_EST02\_OPC, L1\_AESTEST\_OPC, L1\_DEC04\_OPC, L1\_CSQIN\_OPC, L1\_ESTCSQ\_OPC, L1\_CSQOUT\_OPC, and L12\_DEC\_CP2\_OPC.



# IQMS – PRODUCTION



**Manage production in few steps:**

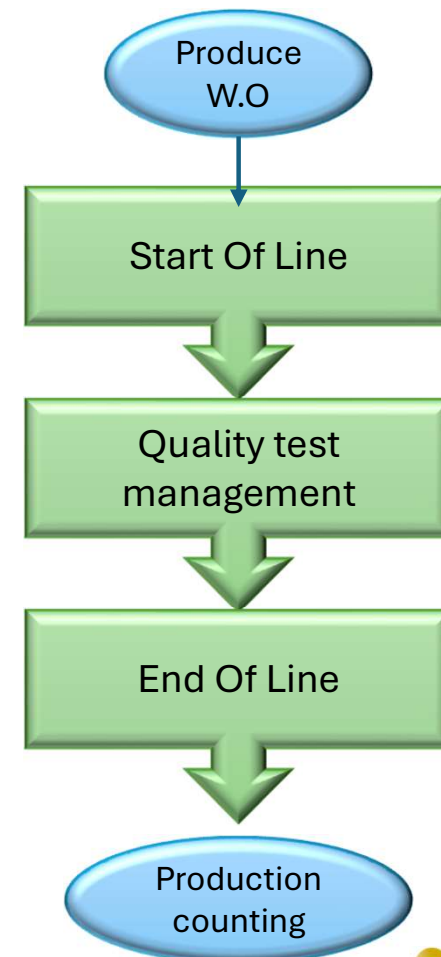
**Start Of Line** assembly line read the service label the appliance is accepted or refused by the system (if not planned is refused) .

**Quality** test acquisition to check if quality respect the predefined rules .

**End Of Line** as quality production : point of certification the appliance has been produced .



**Production counting**



# IQMS – PRODUCTION COUNTING REPORTS

Real-time production report to have all under control

Close [Icons] OFFICE\Generic station office users System TEST Report Production (SOL-EOL-SORTER)

General Information Search FILTER Info

Production Line	Wo Code	Pnc.Elc	Shift Day	Prod IN	Prod IN (RW)	Prod OUT	Prod OUT (RW)	Sorter	Sorter (RW)
Total:				1905	69	1829	56	1800	44
01	3000027588	914913403.00	27/01/2017	0	1	0	1	0	1
01	3000030459	914903223.01	27/01/2017	0	1	0	1	1	0
01	3000030480	914911434.07	27/01/2017	0	1	0	0	0	0
01	3000030522	914913435.00	27/01/2017	0	2	0	2	4	0
01	3000030530	914913010.00	27/01/2017	0	1	0	1	0	1
01	3000030769	914910426.01	27/01/2017	0	1	0	1	1	0
01	3000030791	914910313.01	27/01/2017	0	4	0	4	0	4
01	3000030795	914903213.03	27/01/2017	0	1	0	1	0	1
01	3000030814	914910443.01	27/01/2017	0	1	0	1	0	1
01	3000031031	914910447.00	27/01/2017	0	0	1	0	1	0
01	3000031043	914915010.00	27/01/2017	0	1	0	1	0	1
01	3000031046	914915009.00	27/01/2017	0	0	1	0	1	0
01	3000031048	914910305.02	27/01/2017	0	0	6	1	7	1
01	3000031050	914910415.02	27/01/2017	0	0	4	0	5	0
01	3000031060	914911479.01	27/01/2017	0	0	5	0	5	0
01	3000031062	914910322.01	27/01/2017	0	0	2	0	2	0
01	3000031063	914915003.00	27/01/2017	0	0	2	0	2	0
01	3000031064	914910437.01	27/01/2017	0	0	1	0	1	0
01	3000031065	914913016.00	27/01/2017	0	1	0	1	0	1
01	3000031066	914910605.01	27/01/2017	0	0	4	0	6	0
01	3000031068	914913032.00	27/01/2017	0	0	1	0	7	0
01	3000031069	914913026.00	27/01/2017	27	0	108	0	108	0
01	3000031070	914913433.00	27/01/2017	276	0	267	0	265	0
01	3000031071	914913436.00	27/01/2017	168	0	80	0	60	0
01	3000031072	914913025.00	27/01/2017	58	0	0	0	0	0
01	3000031345	914913004.00	27/01/2017	0	1	0	1	0	1
01	3000031346	914913014.00	27/01/2017	0	1	0	1	0	1
01	3000031348	914813433.00	27/01/2017	0	5	2	5	2	5

Additional Information Info Selected

Production Area	Line	Qty	%
ASSEMBLY LINE	01	88	-
WAREHOUSE	01	80	-

Historical State

Type	Qty	%

Event Period

Type	Day [Shift]	Line	Qty	%	Re-Qty
Production START	27/01/2017	01	168	-	0
Production END	27/01/2017	01	83	-	0
SORTER	27/01/2017	01	63	-	0

Machines List Info Selected Actual State ASSEMBLY LINE

Sort

- Barcode
- Date Prod Fin
- Date Prod Ini
- Date Sorter

Descending

Info	Barcode	Date Prod Ini	Date Prod Fin	Date Sorter
Info	1	0000000009149134360070400005	-	27-01-2017 08.38.30
Info	2	0000000009149134360070400017	-	27-01-2017 08.44.59
Info	3	0000000009149134360070400032	-	27-01-2017 08.53.46
Info	4	0000000009149134360070400033	-	27-01-2017 08.54.11
Info	5	0000000009149134360070400036	-	27-01-2017 08.55.37
Info	6	0000000009149134360070400040	-	27-01-2017 08.57.46
Info	7	0000000009149134360070400054	-	27-01-2017 09.09.28
Info	8	0000000009149134360070400056	-	27-01-2017 09.10.12
Info	9	0000000009149134360070400064	-	27-01-2017 09.14.58
Info	10	0000000009149134360070400066	-	27-01-2017 09.15.54
Info	11	0000000009149134360070400069	-	27-01-2017 09.17.59
Info	12	0000000009149134360070400070	-	27-01-2017 09.18.19
Info	13	0000000009149134360070400082	-	27-01-2017 09.47.57
Info	14	0000000009149134360070400083	-	27-01-2017 09.48.23
Info	15	0000000009149134360070400080	-	27-01-2017 09.53.01

Export EXCEL File

# IQMS: QUALITY

Apply of quality rules to be used in production lines

Real time defects tracking to know the quality trend in production line

New factory level defects definition keeping unchanged MQMS level meaning. From the headquarters or centralized system, it is possible to have a comprehensive view of defect management across all branches, even those located in other countries.

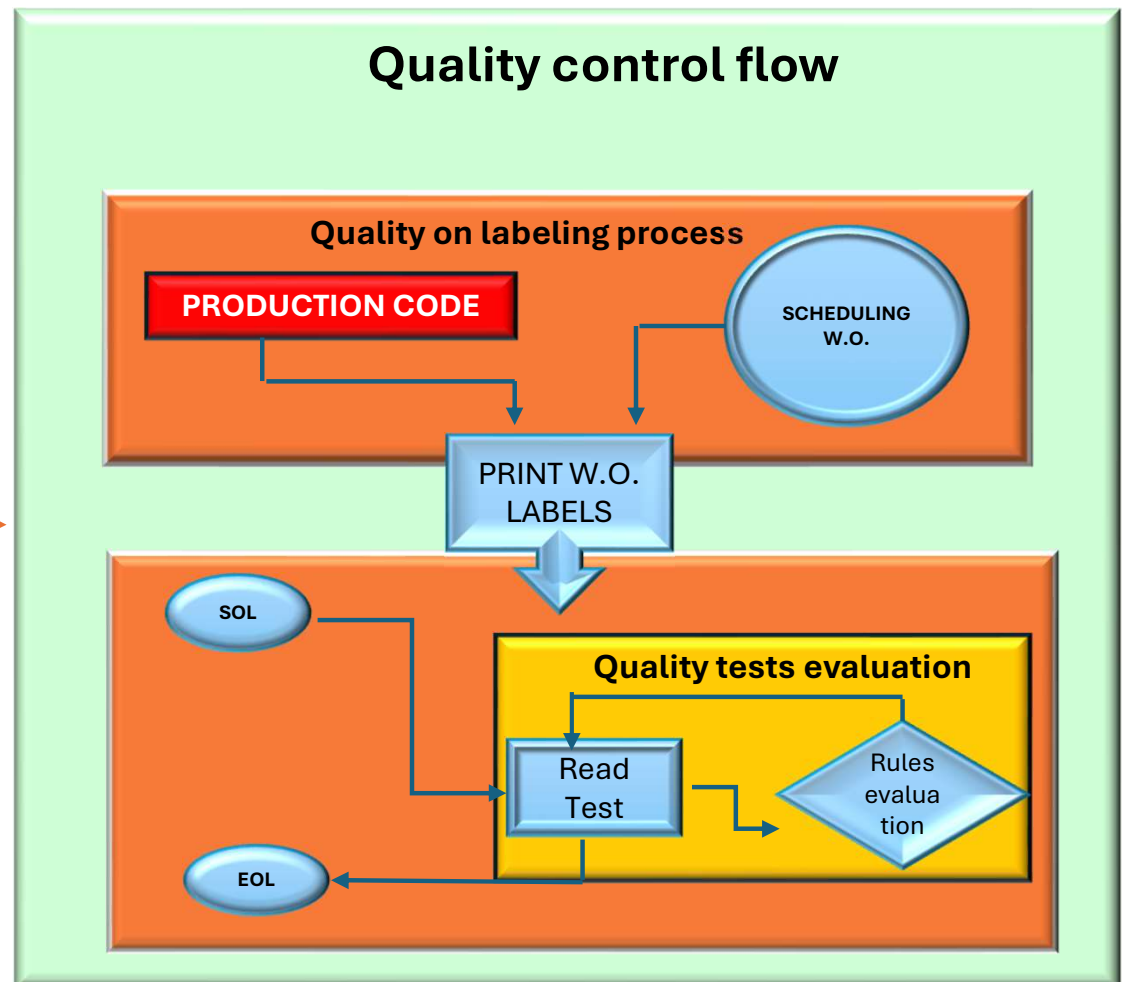
Full integration between who discover the problem and who repair

Daily/Monthly reports to tracking critical components

Automatic NRFT (**Non-Right First Time**) Calculation and reporting

# IQMS: QUALITY

Assembly line under quality supervisor by applying all rules defined in setup time according with quality department



# IQMS – SHIFT EFFICIENCY REPORTING

Close [OFFICE] generic station office users Report Shift Efficiency

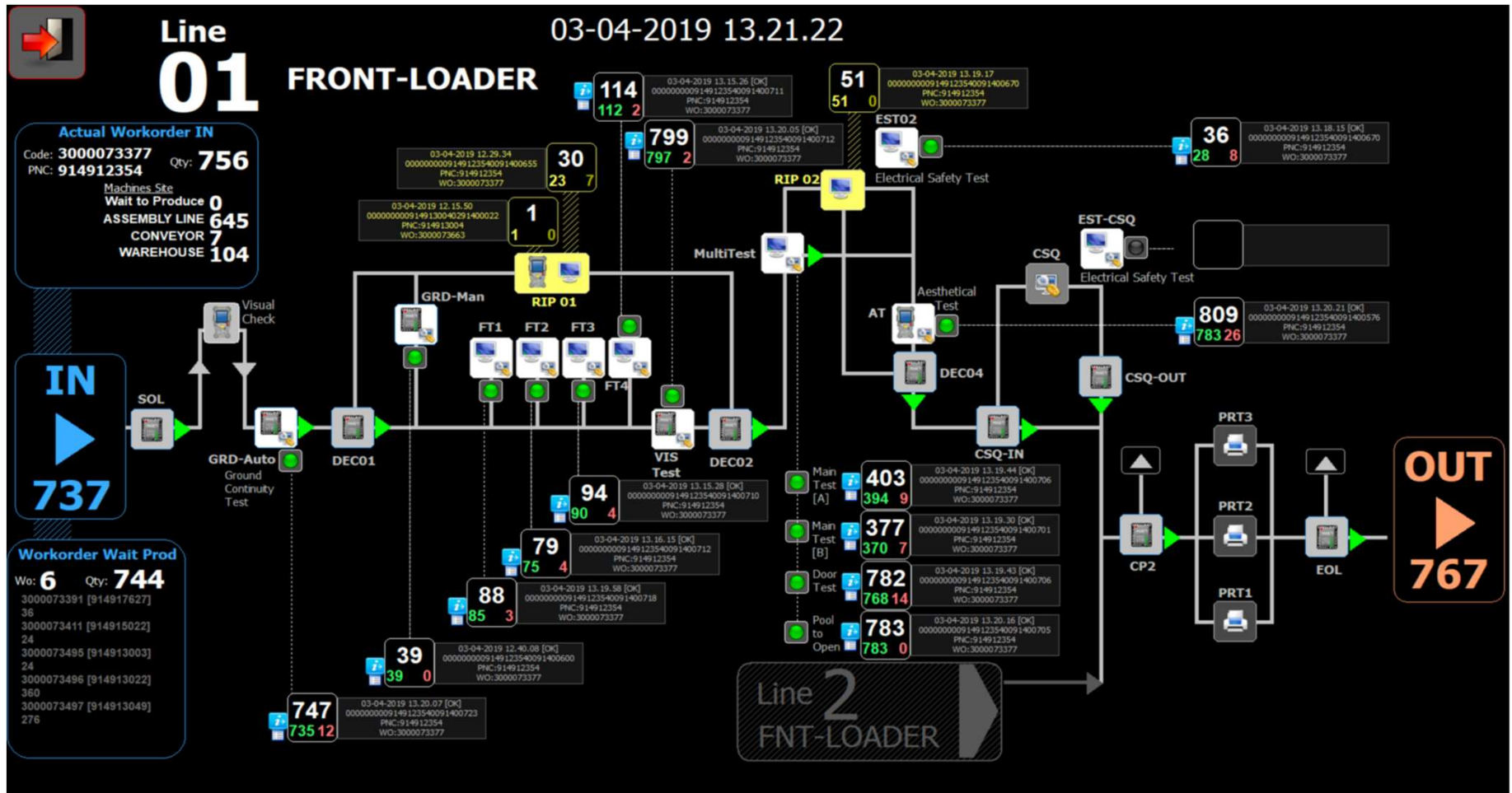
Date: 01/04/2019 | Line: 01 | Shift: 06 | Apply

DL PNCs | Takt Time | DL Consumed / Losses

Production Day	Ass.ly Line	Shift	Takt Time	DL REAL	Daily Prod declared (SOL)	Allowed Time REAL	Allowed Time	DL consumed	Losses	Absentem	Overtime	Strike	Mix	Missing Cmp	Quality Cmp	Equipment	Trial/Test Prod	Others	DL REAL Efficiency	DL Efficiency	
Calendar Date	n*	n*	pcs/h	Co	qty/shift	Working Hours	Working Hours	h/shift	h/shift	h/shift	h/shift	h/shift	h/shift	h/shift	h/shift	h/shift	h/shift	h/shift	%	%	
01/04/2019	01	1	118,73	●	851	499,17	549,34	525,02	-24,32	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-24,32	95,08	104,63
01/04/2019	01	2	118,73	●	900	529,66	582,72	605,56	22,84	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	22,84	87,47	96,23
01/04/2019	01	-	118,73	●	1751	1028,82	1132,06	1130,58	-1,48	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-1,48	91,00	100,13
01/04/2019	02	1	118,73	●	837	482,23	505,42	530,60	25,18	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	25,18	90,88	95,26
01/04/2019	02	2	118,73	●	856	492,53	522,14	348,68	-173,46	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-173,46	141,26	149,75
01/04/2019	02	-	118,73	●	1693	974,76	1027,57	879,28	-148,29	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-148,29	110,86	116,86
01/04/2019	03	1	91,69	●	390	273,37	298,89	318,36	19,47	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	19,47	85,87	93,88
01/04/2019	03	2	91,69	●	700	488,93	534,74	500,28	-34,46	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-34,46	97,73	106,89
01/04/2019	03	-	91,69	●	1090	762,30	833,62	818,64	-14,98	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-14,98	93,12	101,83
01/04/2019	06	1	92,33	●	686	499,00	543,58	523,02	-20,56	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-20,56	95,41	103,93
01/04/2019	06	2	92,33	●	600	422,92	446,31	485,12	38,81	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	38,81	87,18	92,00
01/04/2019	06	3	92,33	●	1	0,76	0,82	0,76	-0,06	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-0,06	99,76	108,31
01/04/2019	06	-	92,33	●	1287	922,68	990,72	1008,90	18,18	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	18,18	91,45	98,20
01/04/2019	-	1	92,33	●	2764	1753,77	1897,23	1897,00	-0,23	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-0,23	92,45	100,01
01/04/2019	-	2	92,33	●	3056	1934,03	2085,91	1939,64	-146,27	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-146,27	99,71	107,54
01/04/2019	-	3	92,33	●	1	0,76	0,82	0,76	-0,06	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-0,06	99,76	108,31
01/04/2019	-	-	92,33	●	5821	3688,56	3983,96	3837,40	-146,56	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-146,56	96,12	103,82
02/04/2019	01	1	118,73	●	876	280,77	308,36	527,02	218,66	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	218,66	53,28	58,51
02/04/2019	01	2	118,73	●	901	540,82	593,94	593,98	0,04	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,04	91,05	99,99
02/04/2019	01	-	118,73	●	1777	821,59	902,30	1121,00	218,70	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	218,70	73,29	80,49
02/04/2019	02	1	118,73	●	883	506,20	550,82	519,44	-31,38	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-31,38	97,45	106,04
02/04/2019	02	2	118,73	●	859	510,92	554,33	0,00	-554,33	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-554,33	???	???
02/04/2019	02	-	118,73	●	1742	1017,12	1105,15	519,44	-585,71	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-585,71	???	???
02/04/2019	03	1	91,69	●	390	272,22	297,74	308,78	11,04	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	11,04	88,16	96,43
02/04/2019	03	2	91,69	●	700	487,55	533,35	496,28	-37,07	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-37,07	98,24	107,47
02/04/2019	03	-	91,69	●	1090	759,77	831,09	805,06	-26,03	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-26,03	94,37	103,23
02/04/2019	06	1	92,33	●	552	395,38	431,25	387,58	-43,67	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-43,67	102,01	111,27
02/04/2019	06	2	92,33	●	700	511,12	556,61	538,18	-18,43	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-18,43	94,97	103,42
02/04/2019	06	-	92,33	●	1252	906,50	925,76	925,76	-62,10	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-62,10	97,92	106,71
02/04/2019	-	1	92,33	●	2701	1454,57	1588,17	1742,82	154,65	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	154,65	83,46	91,13
02/04/2019	-	2	92,33	●	3160	2050,41	2238,23	1628,44	-609,79	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-609,79	???	???
02/04/2019	-	-	92,33	●	5861	3504,97	3826,41	3371,26	-455,15	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	-455,15	???	???



# IQMS – QUALITY SYNOPTIC ASSEMBLY LINE



# IQMS – T&M ENGINEERING

Optimization  
of working  
time : friendly  
interface  
support users  
on daily  
activity

Users can know  
better status of  
appliances

Centralized  
information cutting  
all redundant  
operation (ex:  
repeat test already  
done, automatic  
defect reparation if  
last test OK)

# IQMS – PRODUCTION INTERFACE

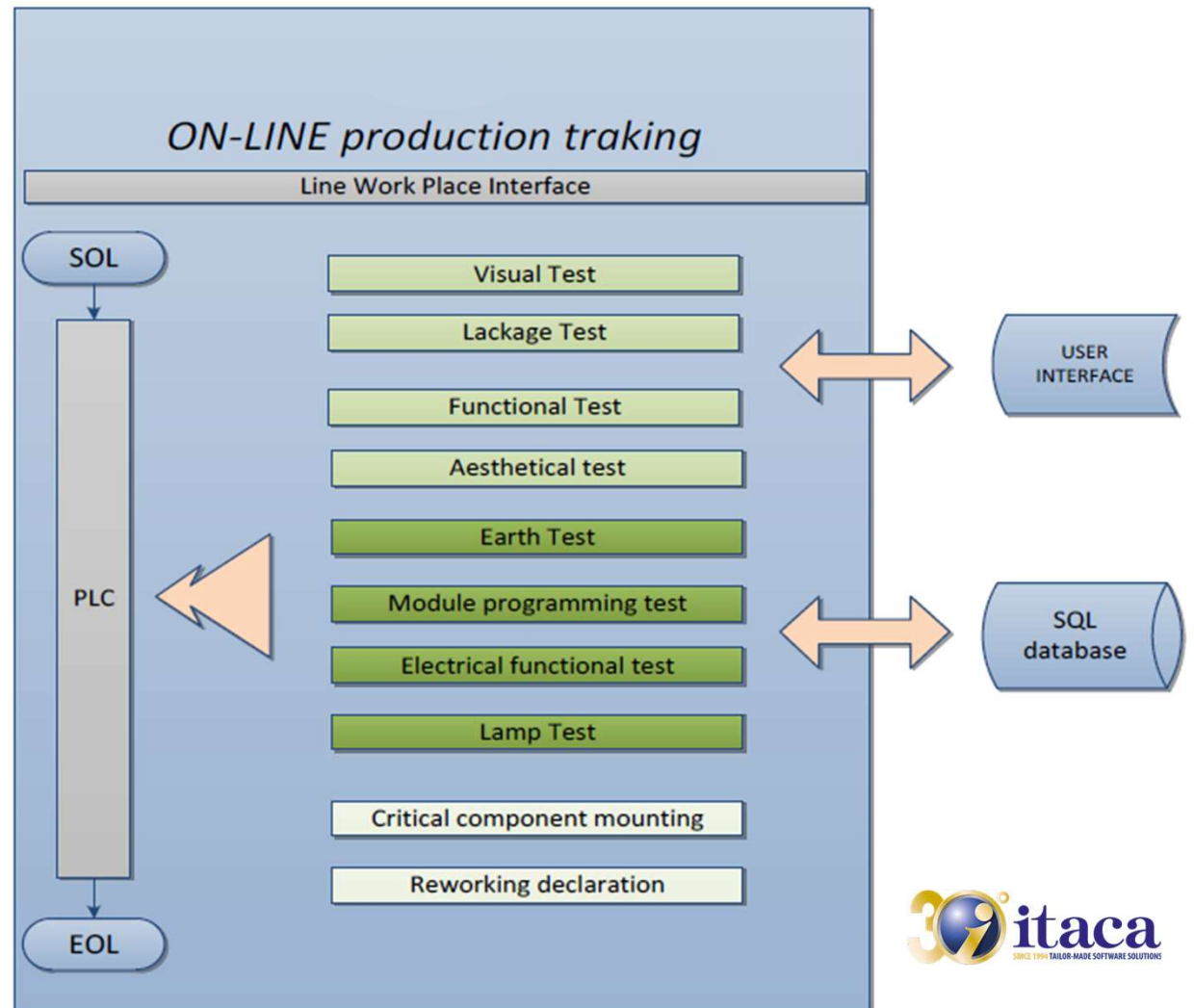
- ❑ Different possibility to set up the quality test :

By user manually

Automatically by OPC interface

- ❑ Critical component are managed by interface

- ❑ All line activity under control



# IQMS – REPORTING ACTIVITY PER WORKPLACE

Report WorkPlaces Activities

UPDATE STATE  
Now: 27-01-2017 11:29  
Update: 27-01-2017 11:15

14

Workplace	Machines	Tests	Passed	% Passed	Failed	% Failed
Total:	5164	3929	96,58	139	3,42	
L1_SOL_OPC	573	---	---	---	---	---
L1_GROTEST_A_OPC	558	558	537	96,24	21	3,76
L1_GROMAN_OPC	51	53	53	100	0	0
L1_FT1	153	188	185	98,4	3	1,6
L1_FT2	149	150	141	94	9	6
L1_FT3	136	144	140	97,22	4	2,78
L1_FT4	134	146	141	96,58	5	3,42
L1_VISTEST_OPC	549	569	560	98,42	9	1,58
L1_POOL_TEST	539	539	538	99,81	1	0,19
L1_EST_A	225	225	215	95,56	10	4,44
L1_DOOR_TEST	539	539	510	94,62	29	5,38
L1_EST_B	314	314	296	94,27	18	5,73
L1_REP_02	30	33	33	100	0	0
L1_EST02	30	32	30	93,75	2	6,25
L1_AESTEST_OPC	549	578	550	95,16	28	4,84
L12_DEC_EOL_OPC	523	---	---	---	---	---

Info Selected  
Workplace  
L1\_VISTEST\_OPC

Sort  
 Barcode  Date/Time  Descending

Info	Barcode	Date/Time	Test	
Info	1	0000000009149103050270400031	27-01-2017 06.02.04	Pass
Info	2	0000000009149103050270400072	27-01-2017 06.06.34	Pass
Info	3	0000000009149103220170400001	27-01-2017 06.09.54	Pass
Info	4	0000000009149103220170400005	27-01-2017 06.12.37	Pass
Info	5	0000000009149104150270400044	27-01-2017 06.15.47	Pass
Info	6	0000000009149104150270400060	27-01-2017 06.14.36	Pass
Info	7	0000000009149104370170400007	27-01-2017 06.01.29	Pass
Info	8	0000000009149106050170400009	27-01-2017 06.13.11	Pass
Info	9	0000000009149106050170400010	27-01-2017 06.21.39	Pass
Info	10	0000000009149114340770200187	27-01-2017 07.56.26	Pass
Info	11	0000000009149114340770200187	27-01-2017 10.21.02	Fail
Info	12	0000000009149130040070400035	27-01-2017 08.40.40	Pass
Info	13	0000000009149130250070400001	27-01-2017 11.22.26	Fail
Info	14	0000000009149130250070400002	27-01-2017 11.22.49	Pass
Info	15	0000000009149130250070400003	27-01-2017 11.23.15	Pass
Info	16	0000000009149130250070400006	27-01-2017 11.26.16	Pass
Info	17	0000000009149130250070400007	27-01-2017 11.24.54	Pass
Info	18	0000000009149130250070400008	27-01-2017 11.25.17	Pass
Info	19	0000000009149130260070400006	27-01-2017 06.07.09	Pass
Info	20	0000000009149130260070400007	27-01-2017 06.14.57	Pass
Info	21	0000000009149130260070400009	27-01-2017 06.05.40	Pass
Info	22	0000000009149130260070400009	27-01-2017 07.22.31	Pass
Info	23	0000000009149130260070400013	27-01-2017 07.06.42	Pass

Export EXCEL File

The chart represents the distribution of production lines based on the defect percentage detected at each workstation, whether automatic or manual. The analysis allows for the rapid identification of critical areas where defects occur more frequently and helps assess the effectiveness of automation.

# IQMS – MAINTENANCE

PLC's software simplified by using OPC Sever

Common protocol interface to exchange information with iQMS for any working place

The user interface includes a tool that enables the monitoring of the quality measurement system's degradation.

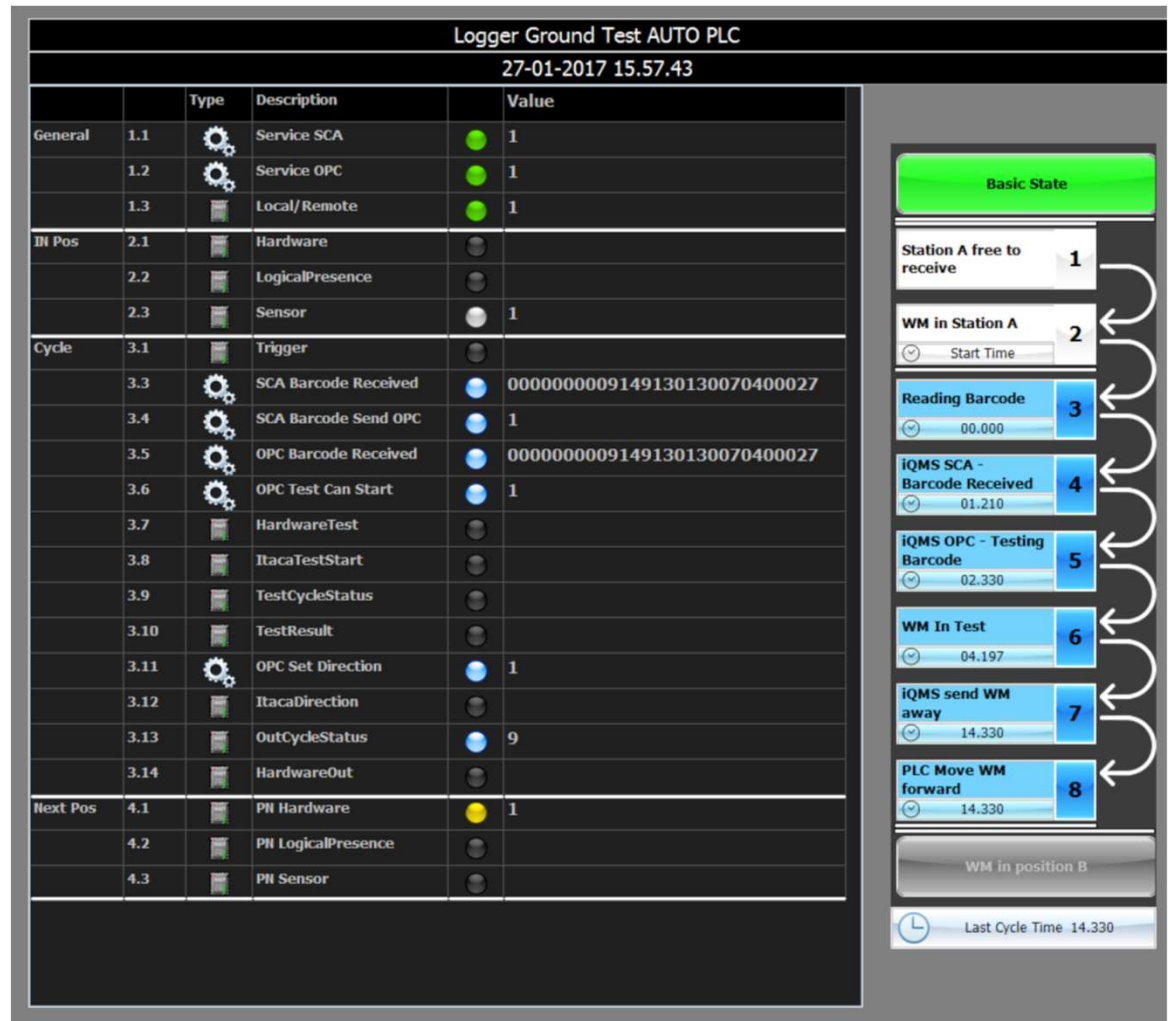


# IQMS – MAINTENANCE FLOW INTERFACE

Trace of time activity :  
detailed timestamp for any  
step

Total Cycle time

Flow chart status working  
place for maintenance  
understanding in case of fault

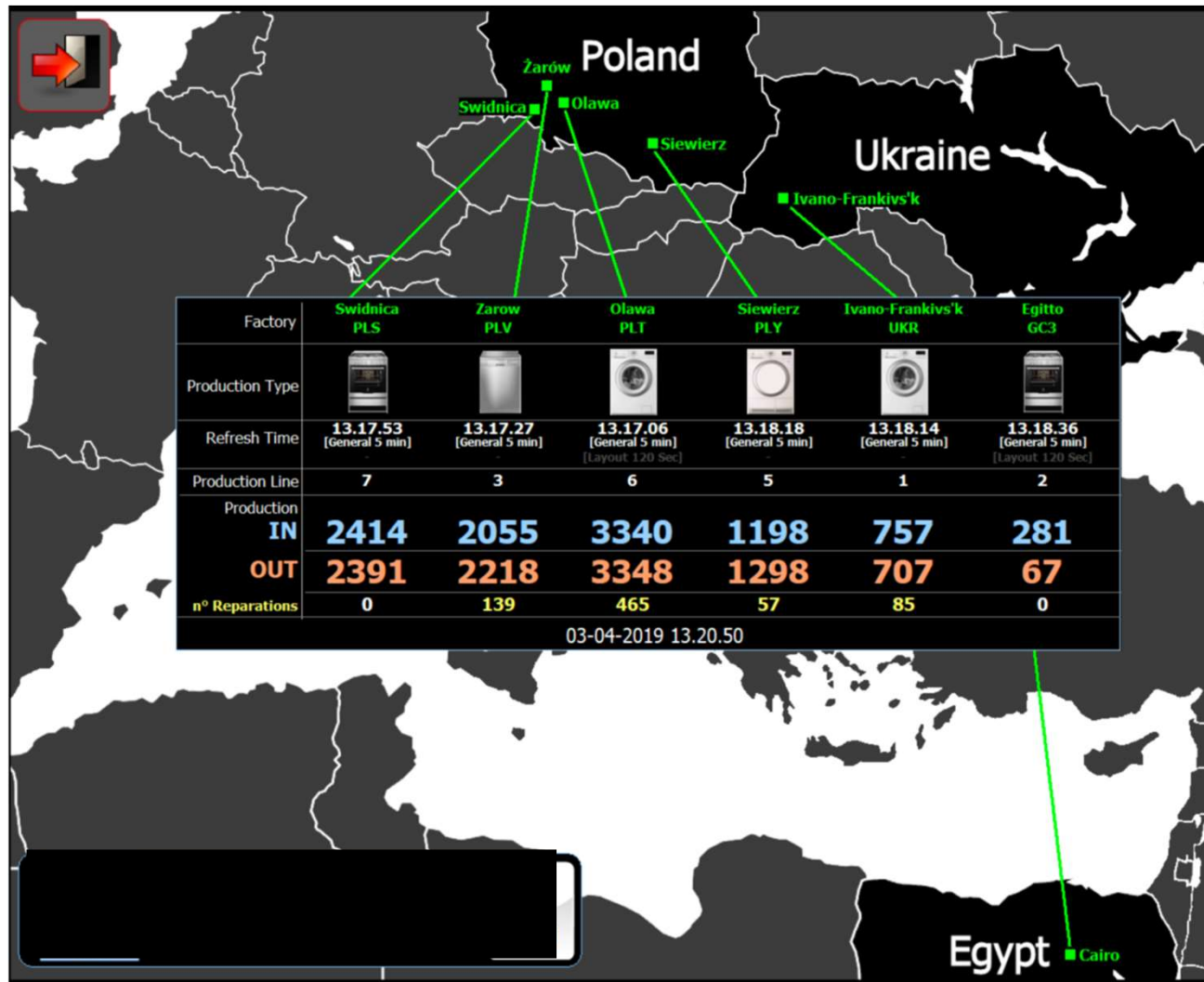


# IQMS – EMEA, MENA, APAC, BRICS, LATAM..

Synoptic to show  
production performance

Main information available  
to WEB application

# IQMS – EXAMPLE OF GLOBAL PRODUCTION MANAGEMENT AND MONITORING





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