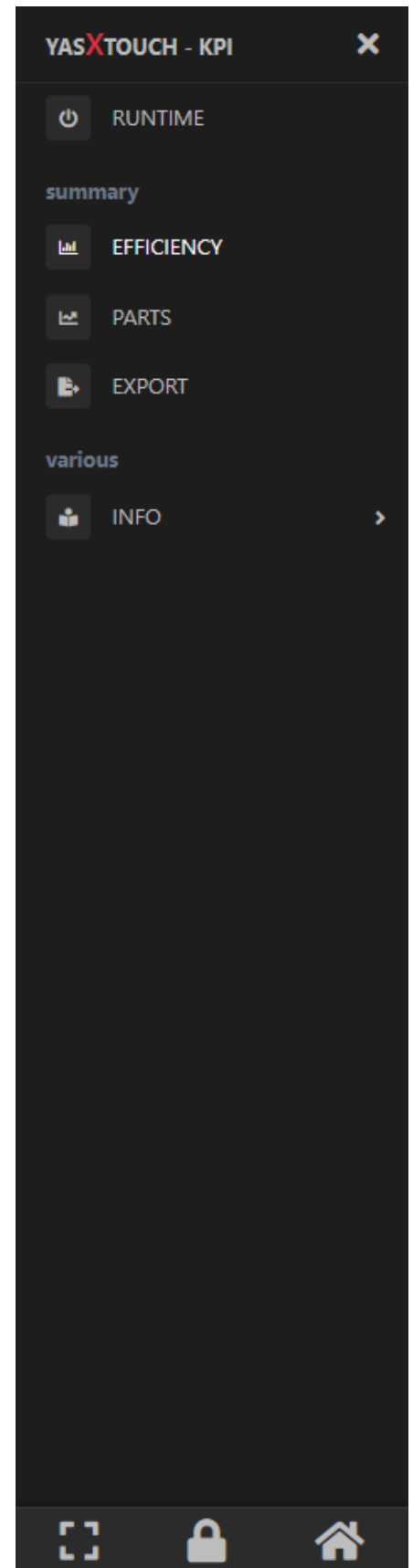
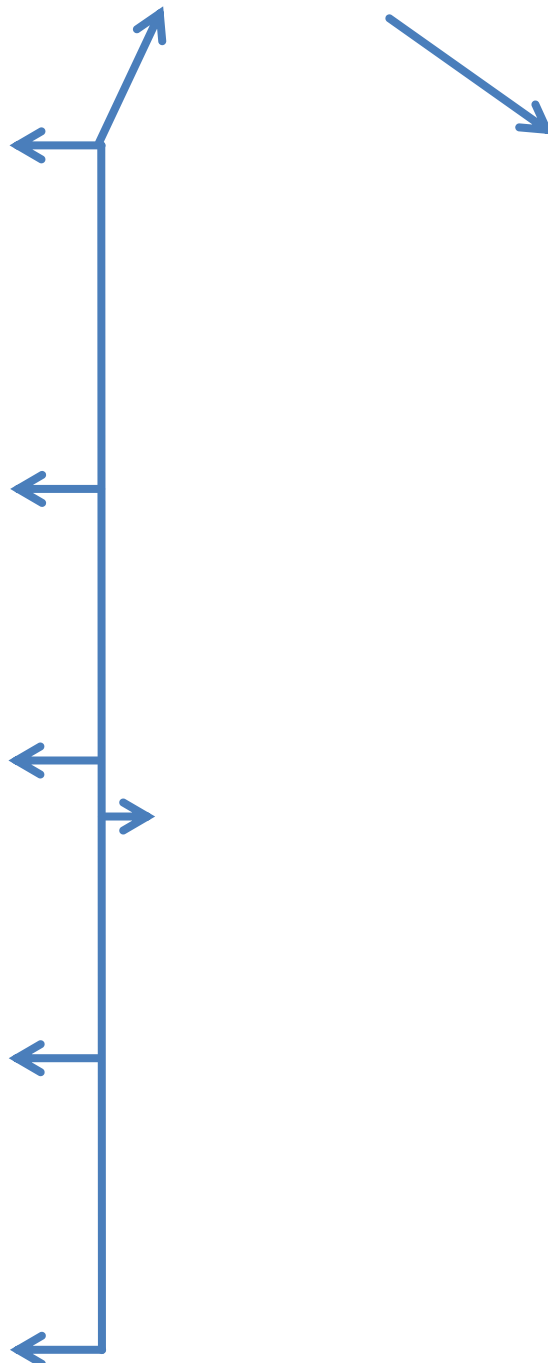


yasXTouch

BDE KPI



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1. Funktionsweise

Es werden von allen aktivierten Roboter Controllern minutenweise Daten erfasst und gespeichert. Diese Daten bilden dann die Grundlage um mit Hilfe bekannter Auswertungsstandards wie OEE(GAE) eine Aussage über die Effektivität einer Anlage machen zu können

2. Voraussetzung

- YasXTouch Unit
- Touch Panel PC, PC mit Bedienelementen oder andere webfähige Geräte mit Netzwerkzugriff auf das Roboter Netzwerk
- Web Browser
- Zur Stückzahl-, Produkt- und NIO Erkennung sind zusätzliche Vorbereitungen und Installationen erforderlich. Siehe [Kapitel 5](#).

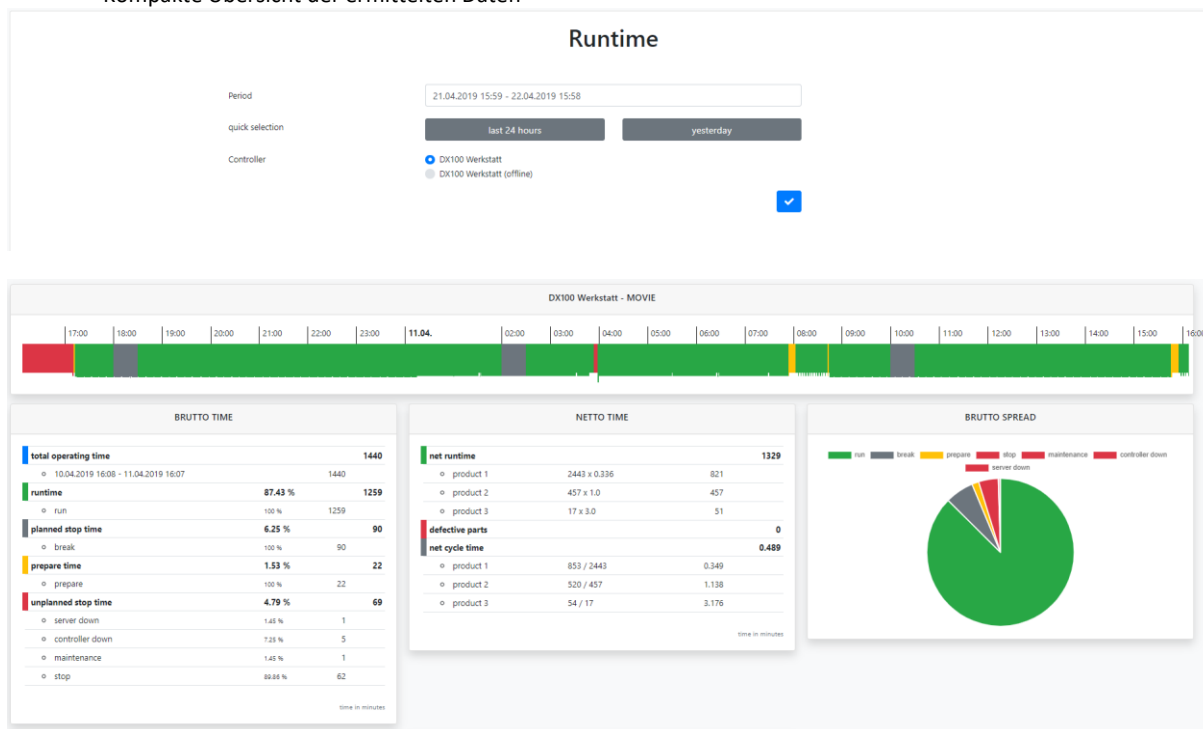
3. Aktivierung

Die KPI Funktion ist eine Option, die über eine zusätzliche Lizenz aktiviert wird. Zusätzlich ist ein Update an der YasXTouch erforderlich

4. Überblick der Funktionen

4.1 Runtime

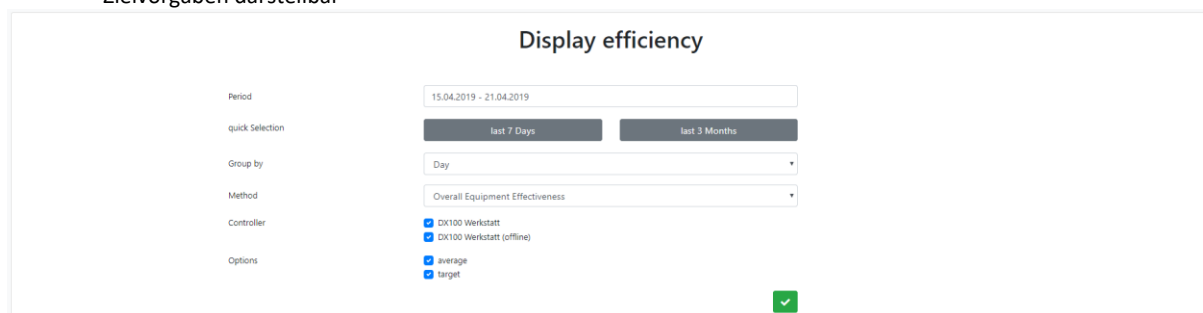
- Kompakte Übersicht der ermittelten Daten



4.2 Summary

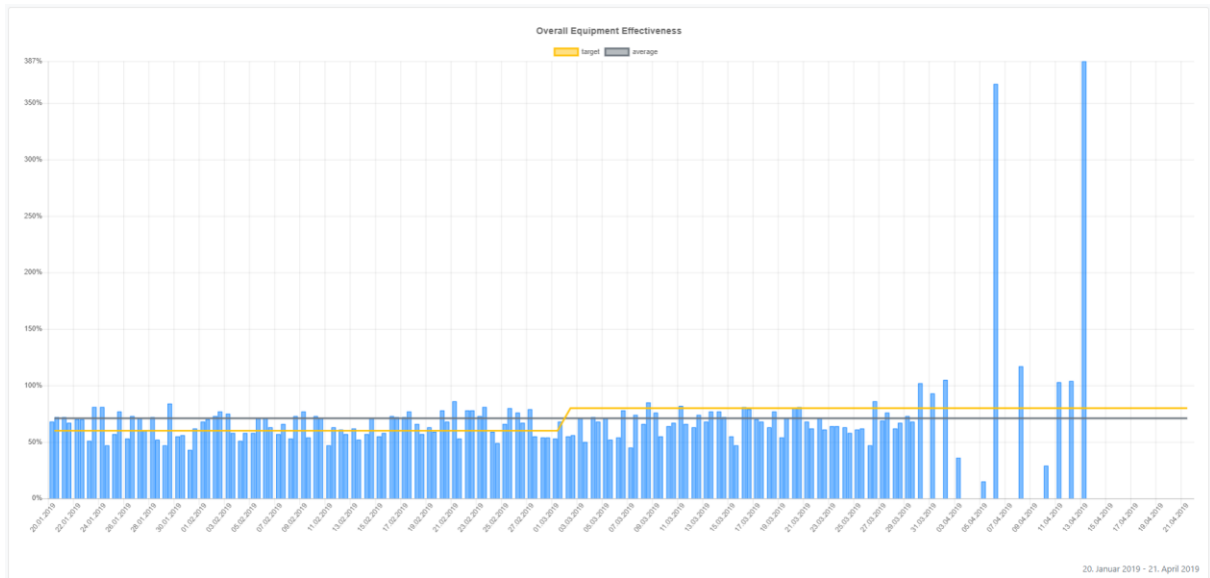
4.2.1 Efficiency

- Zusammenfassung in Tag, Monat, Woche
- Durchschnitt darstellbar
- Zielvorgaben darstellbar



yasXTouch

BDE KPI



4.2.2 Products

- Zusammengefasste Menge produzierter Teile
- Gutteil Menge und Nacharbeit wird dargestellt
- Zusammenfassung in Tag, Monat, Woche
- Durchschnitt darstellbar

Display produced parts

Period:

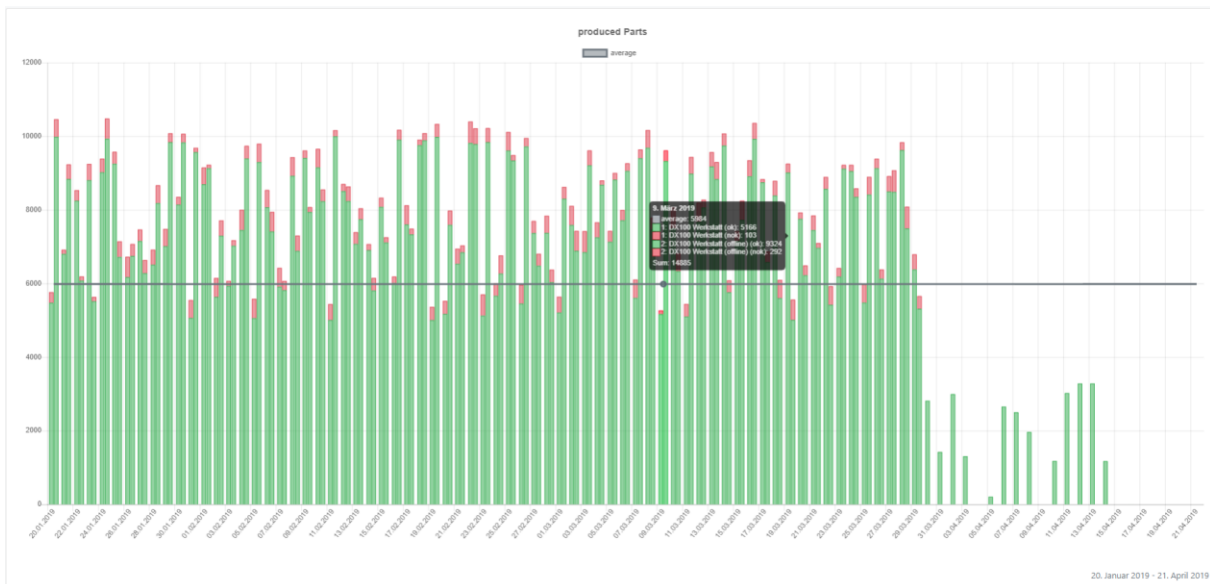
quick Selection: last 7 Days last 3 Months

Group by: Day

Controller: ☒ DX100 Werkstatt ☒ DX100 Werkstatt (offline)

Options: ☒ average

✓



4.2.3 Export

- Alle Daten können als Copy, Excel oder PDF exportiert werden

Summary of Day

Show: 14 entries

📄 📄 📄

14 DX100 Werkstatt

day	produce	planned	unplanned	prepare	output	io	nie
2019-04-21	0	1439	1	0	0	0	0
2019-04-20	0	1080	360	0	0	0	0
2019-04-19	0	90	1350	0	0	0	0
2019-04-18	0	90	1350	0	0	0	0
2019-04-17	0	90	1350	0	0	0	0
2019-04-16	0	90	1350	0	0	1	0
2019-04-15	0	419	1021	0	0	0	0
2019-04-14	0	1428	1	11	429	1175	0
2019-04-13	347	1077	11	5	1406	3284	0
2019-04-12	1326	90	19	5	1407	3283	0
2019-04-11	1320	90	6	24	1388	3023	0
2019-04-10	377	90	971	2	396	1178	0
2019-04-09	0	90	1350	0	0	0	0
2019-04-08	797	407	216	20	1204	1965	0

Showing 1 to 14 of 387 entries

Previous
1
2
3
4
5
...
28
Next

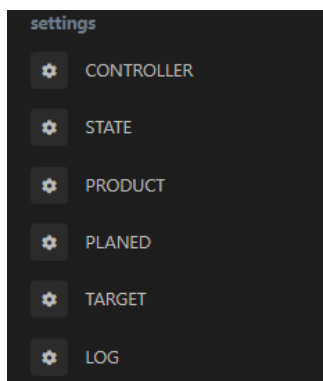
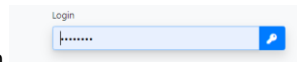
5. Überblick Funktionsleiste

Veränderung des Anzeigebilds, Setup und Aufruf des Roboadmin Startbildschirms



5.1 Settings

Über den  Button kommt man direkt nach ins Settings Menü
Standard Password ist 99999999



5.1.1 Controller

- Die im Serveradmin angelegten Controller können hier für KPI aktiviert und angepasst werden

Controllers							
These are additional settings, basic settings are made in the Serveradmin .							
ID	name	I-product	D-quantity	D-not OK	I-state	active	
# 1	DX100 Werkstatt	99	99	98	98	yes	☒
# 2	DX100 Werkstatt (offline)	0	0	0	0	yes	☒
# 3	NX	0	0	0	0	no	☒

5.1.2 State

- Statuswerte für die konfigurierten Variable, die dann eine detailliertere Auswertung ermöglichen

States			
The settings influence the past. The summary will not be changed.			
	name	group	
new		unplanned stop time	☒
# 0	controller down	unplanned stop time	☒
# 1	run	run	☒
# 2	stop	unplanned stop time	☒
# 3	stop (teach)	unplanned stop time	☒
# 4	stop (robot alarm)	unplanned stop time	☒
# 5	prepare	prepare	☒
# 6	break	planned stop time	☒
# 7	outside production time	planned stop time	☒
# 8	maintenance	unplanned stop time	☒

5.1.3 Product

- Hier werden die Produkte und die dazugehörige geplante Zykluszeit eingegeben

Products

The settings influence the past. The summary will not be changed.

ID	Name	cycle time in minutes
1	product 1	0,336
2	product 2	1,0
3	product 3	3,0

+
✓
✓
✓

5.1.4 Planned

- Geplante SOP Zeiten wie Pause und Wochenende

planned stop time

Please enter the start of the minute. Example: break starts at 10:00 o'clock and is ended at 10:30 o'clock then input 10:00 - 10:29.
Click on Area to edit it. Click on weekday to add a new range.

	Mo.	Tu.	We.	Th.	Fr.	Sa.	Su.
01:00							
02:00							
03:00							
04:00							
05:00							
06:00							
07:00							
08:00							
09:00							
10:00							
11:00							
12:00							
13:00							
14:00							
15:00							
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
00:00							

5.1.5 Target

- Zielvorgaben für die OEE, TEEP und NEE Auswertung

Targets

Target valid from	OEE	TEEP	NEE
22.04.2019	0	0	0
02.03.2019	80	65	30
01.01.1970	60	0	0

+
✓ ✖
✓ ✖

5.1.6 Log

Logdaten der KPI Eingaben

Logdata				
Show	10	entries		
#	Timestamp	IP	SQL	
66	2019-04-02 16:48:04	91.67.211.18	SQL: [87] INSERT INTO objectives ('from', 'oee', 'teep', 'nee') VALUES (from, oee, teep, nee) Params: 4 Key: Name: [5] :from paramno=0 name=[5] "from" is_param=1 param_type=2 Key: Name: [4] :oee paramno=1 name=[4] "oee" is_param=1 param_type=1 Key: Name: [5] :teep paramno=2 name=[5] "teep" is_param=1 param_type=1 Key: Name: [4] :nee paramno=3 name=[4] "nee" is_param=1 param_type=1	
67	2019-04-02 16:12:52	91.67.211.18	SQL: [92] INSERT INTO planeds ('day', 'from', 'to', 'states_id') VALUES (day, from, to, states_id) Params: 4 Key: Name: [4] :day paramno=0 name=[4] "day" is_param=1 param_type=1 Key: Name: [5] :from paramno=1 name=[5] "from" is_param=1 param_type=2 Key: Name: [3] :to paramno=2 name=[3] "to" is_param=1 param_type=2 Key: Name: [10] :states_id paramno=3 name=[10] "states_id" is_param=1 param_type=1	
66	2019-04-02 16:12:31	91.67.211.18	SQL: [92] INSERT INTO planeds ('day', 'from', 'to', 'states_id') VALUES (day, from, to, states_id) Params: 4 Key: Name: [4] :day paramno=0 name=[4] "day" is_param=1 param_type=1 Key: Name: [5] :from paramno=1 name=[5] "from" is_param=1 param_type=2 Key: Name: [3] :to paramno=2 name=[3] "to" is_param=1 param_type=2 Key: Name: [10] :states_id paramno=3 name=[10] "states_id" is_param=1 param_type=1	
65	2019-04-02 16:12:13	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] :id paramno=0 name=[3] "id" is_param=1 param_type=1	
64	2019-04-02 16:12:10	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] :id paramno=0 name=[3] "id" is_param=1 param_type=1	
63	2019-04-02 16:05:49	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] :id paramno=0 name=[3] "id" is_param=1 param_type=1	
62	2019-04-02 16:05:47	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] :id paramno=0 name=[3] "id" is_param=1 param_type=1	
61	2019-04-02 16:05:44	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] :id paramno=0 name=[3] "id" is_param=1 param_type=1	
60	2019-04-02 16:05:42	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] :id paramno=0 name=[3] "id" is_param=1 param_type=1	
59	2019-04-02 16:05:32	91.67.211.18	SQL: [92] INSERT INTO planeds ('day', 'from', 'to', 'states_id') VALUES (day, from, to, states_id) Params: 4 Key: Name: [4] :day paramno=0 name=[4] "day" is_param=1 param_type=1 Key: Name: [5] :from paramno=1 name=[5] "from" is_param=1 param_type=2 Key: Name: [3] :to paramno=2 name=[3] "to" is_param=1 param_type=2 Key: Name: [10] :states_id paramno=3 name=[10] "states_id" is_param=1 param_type=1	
Showing 1 to 10 of 68 entries				
		Previous 1 2 3 4 5 6 7 Next		

6. Programmbeispiele

Zur detaillierten Datenübergabe müssen in den Roboterprogrammen Variablen gesetzt werden

6.1 Produktauswahl

fehlt

6.2 IO NIO Zähler

fehlt

11. Functionality

Minute-by-minute data is recorded and saved from all activated robot controllers. These data then form the basis for making a statement about the effectiveness of a system with the help of known evaluation standards such as OEE (GAE)

12. Requirement

- YasXTouch Unit
- Touch Panel PC, PC with control elements or other web-enabled devices with network access to the robot network
- Web Browser
- Additional preparations and installations are required for item count, product and NOK detection. Please refer [15.1](#)

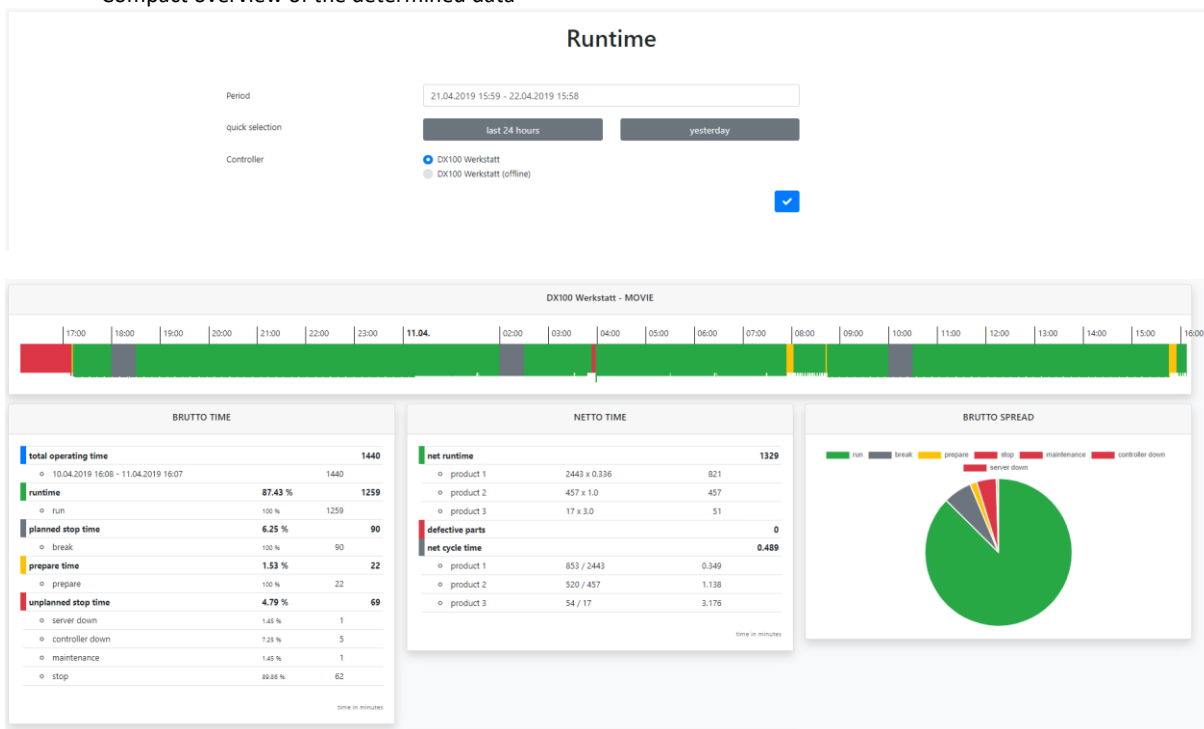
13. Activation

The KPI function is an option that is activated via an additional license. An update on the YasXTouch is also required

14. Overview of the functions

14.1 Runtime

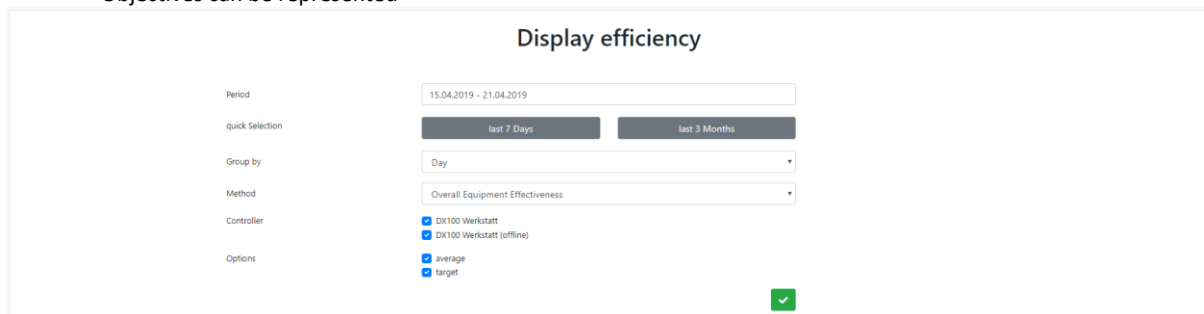
- Compact overview of the determined data



14.2 Summary

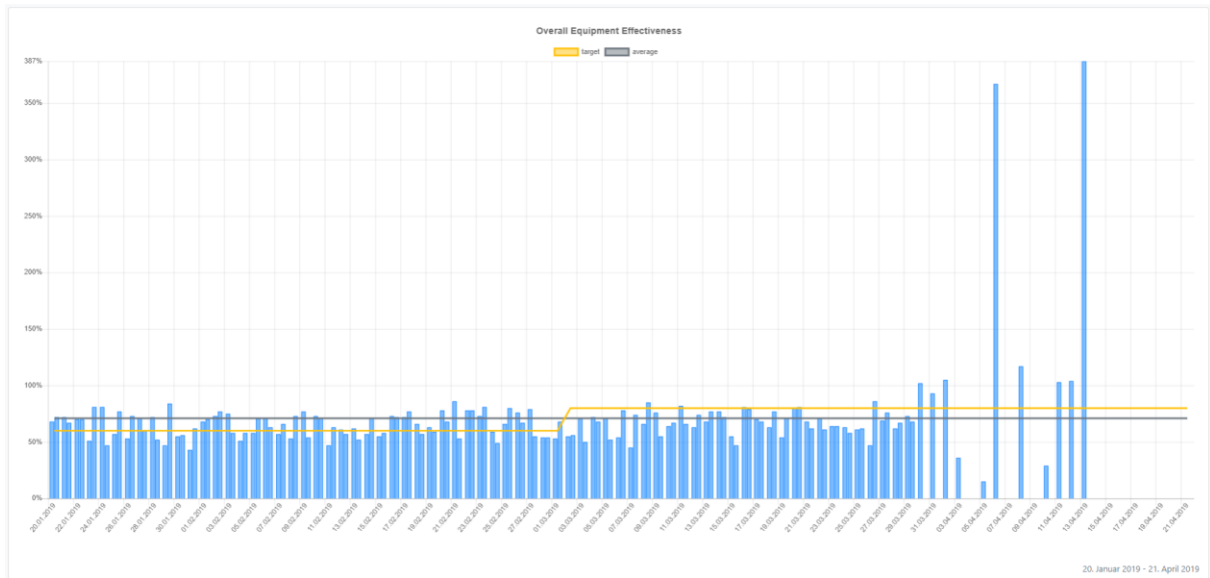
14.2.1 Efficiency

- Summary in day, month, week
- Average can be displayed
- Objectives can be represented



yasXTouch

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14.2.2 Products

- Summarized quantity of parts produced
- Good part, quantity and rework is shown
- Summary in day, month, week
- Average can be displayed

Display produced parts

Period:

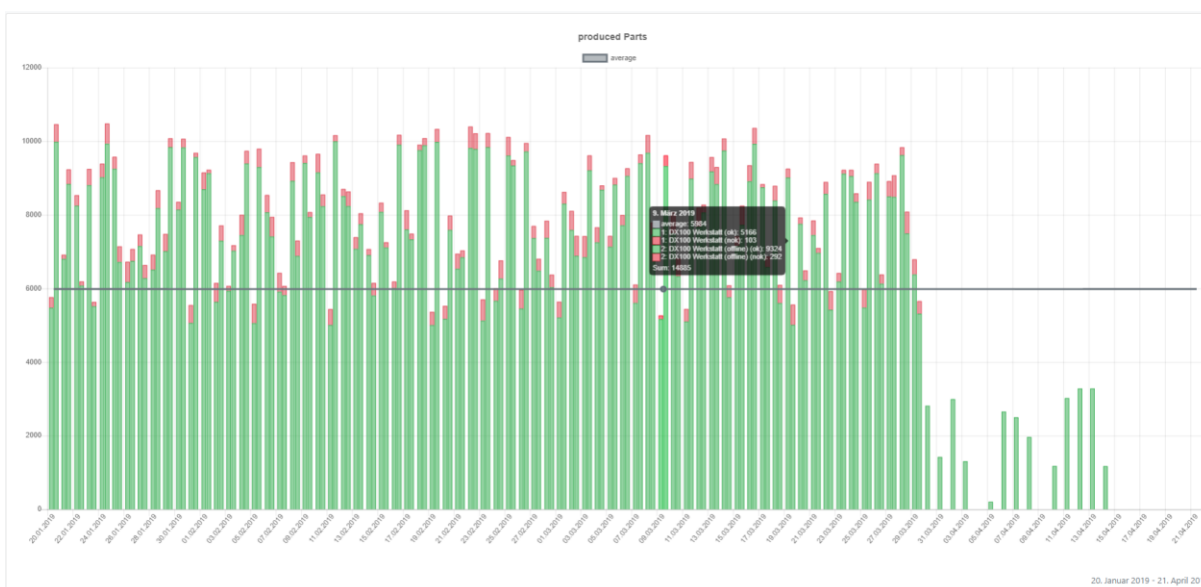
quick Selection: last 7 Days last 3 Months

Group by:

Controller: ☒ DX100 Werkstatt ☒ DX100 Werkstatt (offline)

Options: ☒ average

✓



14.2.3 Export

- All data can be exported as copy, Excel or PDF

Summary of Day

Show: 14 entries

14 15 16

14 DX100 Werkstatt

day	produce	planned	unplanned	prepare	output	io	nie
2019-04-21	0	1439	1	0	0	0	0
2019-04-20	0	1080	360	0	0	0	0
2019-04-19	0	90	1350	0	0	0	0
2019-04-18	0	90	1350	0	0	0	0
2019-04-17	0	90	1350	0	0	0	0
2019-04-16	0	90	1350	0	0	1	0
2019-04-15	0	419	1021	0	0	0	0
2019-04-14	0	1428	1	11	429	1175	0
2019-04-13	347	1077	11	5	1406	3284	0
2019-04-12	1326	90	19	5	1407	3283	0
2019-04-11	1320	90	6	24	1388	3023	0
2019-04-10	377	90	971	2	396	1178	0
2019-04-09	0	90	1350	0	0	0	0
2019-04-08	797	407	216	20	1204	1965	0

Showing 1 to 14 of 387 entries

Previous 1 2 3 4 5 ... 28 Next

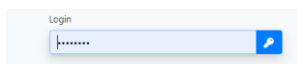
15. Overview of the function bar

Change the display image, setup and call up the Roboadmin home screen

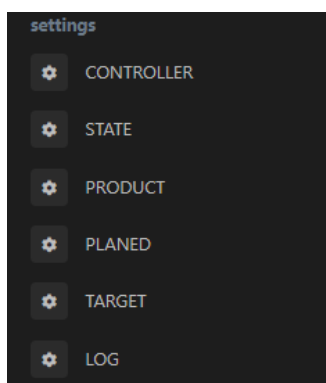


15.1 Settings

By pressing  Button you can follow directly into the Setup Menu
Standard Password is 99999999



into the Setup Menu



15.1.1 Controller

- The controllers created in the server admin can be activated and adjusted here for KPIs

Controllers

These are additional settings, basic settings are made in the [Serveradmin](#).

ID	name	I-product	D-quantity	D-not OK	I-state	active	
# 1	DX100 Werkstatt	99	99	98	98	yes	
# 2	DX100 Werkstatt (offline)	0	0	0	0	yes	
# 3	NX	0	0	0	0	no	

15.1.2 State

- Status values for the configured variable, which then enable a more detailed evaluation

States

The settings influence the past. The summary will not be changed.

	name	group	
new		unplanned stop time	
# 0	controller down	unplanned stop time	
# 1	run	run	
# 2	stop	unplanned stop time	
# 3	stop (teach)	unplanned stop time	
# 4	stop (robot alarm)	unplanned stop time	
# 5	prepare	prepare	
# 6	break	planned stop time	
# 7	outside production time	planned stop time	
# 8	maintenance	unplanned stop time	

15.1.3 Product

- The products and the associated planned cycle time are entered here

Products

The settings influence the past. The summary will not be changed.

ID	Name	cycle time in minutes
1	product 1	0,336
2	product 2	1,0
3	product 3	3,0






15.1.4 Planned

- Planned SOP times such as break and weekend

planned stop time

Please enter the start of the minute. Example: break starts at 10:00 o'clock and is ended at 10:30 o'clock then input 10:00 - 10:29.
Click on Area to edit it. Click on weekday to add a new range.

	Mo.	Tu.	We.	Th.	Fr.	Sa.	Su.
01:00							
02:00							
03:00							
04:00							
05:00							
06:00							
07:00							
08:00							
09:00							
10:00							
11:00							
12:00							
13:00							
14:00							
15:00							
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							
00:00							

15.1.5 Target

- Objectives for the OEE, TEEP and NEE evaluation

Targets

Target valid from	OEE	TEEP	NEE
22.04.2019	0	0	0
02.03.2019	80	65	30
01.01.1970	60	0	0






15.1.6 Log

Log data of the KPI entries

Logdata			
Show	10	entries	
#	Timestamp	IP	SQL
68	2019-04-02 16:48:04	91.67.211.18	SQL: [87] INSERT INTO objectives ('from', 'oee', 'teep', 'nee') VALUES (:from, :oee, :teep, :nee) Params: 4 Key: Name: [3] :from paramno=0 name=[5] :from is_param=1 param_type=2 Key: Name: [4] :oee paramno=1 name=[4] :oee is_param=1 param_type=1 Key: Name: [5] :teep paramno=2 name=[3] :teep is_param=1 param_type=1 Key: Name: [4] :nee paramno=3 name=[4] :nee is_param=1 param_type=1
67	2019-04-02 16:12:52	91.67.211.18	SQL: [52] INSERT INTO planeds ('day', 'from', 'to', 'states_id') VALUES (:day, :from, :to, :states_id) Params: 4 Key: Name: [4] :day paramno=0 name=[4] :day is_param=1 param_type=1 Key: Name: [5] :from paramno=1 name=[5] :from is_param=1 param_type=2 Key: Name: [3] :to paramno=2 name=[3] :to is_param=1 param_type=2 Key: Name: [10] :states_id paramno=3 name=[10] :states_id is_param=1 param_type=1
66	2019-04-02 16:12:31	91.67.211.18	SQL: [92] INSERT INTO planeds ('day', 'from', 'to', 'states_id') VALUES (:day, :from, :to, :states_id) Params: 4 Key: Name: [4] :day paramno=0 name=[4] :day is_param=1 param_type=1 Key: Name: [5] :from paramno=1 name=[5] :from is_param=1 param_type=2 Key: Name: [3] :to paramno=2 name=[3] :to is_param=1 param_type=2 Key: Name: [10] :states_id paramno=3 name=[10] :states_id is_param=1 param_type=1
65	2019-04-02 16:12:13	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] id paramno=0 name=[3] id is_param=1 param_type=1
64	2019-04-02 16:12:10	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] id paramno=0 name=[3] id is_param=1 param_type=1
63	2019-04-02 16:05:49	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] id paramno=0 name=[3] id is_param=1 param_type=1
62	2019-04-02 16:05:47	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] id paramno=0 name=[3] id is_param=1 param_type=1
61	2019-04-02 16:05:44	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] id paramno=0 name=[3] id is_param=1 param_type=1
60	2019-04-02 16:05:42	91.67.211.18	SQL: [32] DELETE FROM planeds WHERE id=id Params: 1 Key: Name: [3] id paramno=0 name=[3] id is_param=1 param_type=1
59	2019-04-02 16:05:32	91.67.211.18	SQL: [92] INSERT INTO planeds ('day', 'from', 'to', 'states_id') VALUES (:day, :from, :to, :states_id) Params: 4 Key: Name: [4] :day paramno=0 name=[4] :day is_param=1 param_type=1 Key: Name: [5] :from paramno=1 name=[5] :from is_param=1 param_type=2 Key: Name: [3] :to paramno=2 name=[3] :to is_param=1 param_type=2 Key: Name: [10] :states_id paramno=3 name=[10] :states_id is_param=1 param_type=1

Showing 1 to 10 of 68 entries

Previous 1 2 3 4 5 6 7 Next

16. Program sample

Variables must be set in the robot programs for detailed data transfer

16.1 Product selection

Actual not described

16.2 IO NIO Counter

Actual not described