## Power BI solution catalog



Data analysis and visualization expertise provided by emendo

DIGITAL

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### What is Factbird Power BI solution?

The Factbird offers capabilities that enable seamless integration with a wide array of BI solutions, such as Power BI, Tableau, and more.

Factbird Power BI solutions offer a range of customized reports and real-time dashboards tailored precisely to customers' needs and preferences..



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## Why are customers using Factbird Power BI solution?

#### Why customers are using:

- Automate the creation of both existing and new production reports, including shift reports, weekly reports, and site reports. This replaces the tedious process of paper-based reporting or manual spreadsheet reporting.
- Schedule the reports for automatic email distribution, ensuring they receive the reports no matter where they are.
- Design customized dashboards with real-time data to display exactly what they need on flat screens.
- Develop interactive reports for in-depth analysis of production performance tailored to specific requirements for performance calculation and visualization.

## **Report Samples**

## Shift report

This report shows data from the most recent completed shift for multiple production lines, which is presented as an overview in the top section of the report.

In the bottom section, users can toggle between different production lines and select various downtime measures: average downtime, total downtime, total defects. They can view these measures across the different stop causes.

Line	Shift time	Produced	Downtin	ne	OEE1	OEE2		OEE3	TCU	6			00.8594.205
33	08.10 - 16.30	603.00	313.83	1	73.9 %	63.4 %		51.4 %	48.2 %		Total	. 11	Total
33	08.10 - 16.30	470.00	395.17	t.	43.0 %	21.5 %		18.8 %	18.8 %		Produce	d	Downtime
88	08.10 - 16.30	681.00	466.08	1	15.3 %	4.7 %		4.5 %	4.5 %				
18	08.10 - 16.30	0.00	500.00	)	0.0 %	0.0 %		0.0 %	0.0 %		1.754		2175.08 m
33	08.10 - 16.30	0.00	500.00	)	0.0 %	0.0 %		0.0 %	0.0 %				
Top 5 stops 3	3			Top 5	i stops 33		1			Top 5	stops 88		
<b>6</b> 1	Occurances	Duration (min)		Stop		Occurences	Duration	(min)		Stop		Occurences	Duration (mi
Stop	occurences												-
Scheduled Downtime	1	500.0	Product Cha	ingeover		9	219	2	Machine Ad	ljustment		6	334.1
Scheduled Downtime	1	500.0	Product Cha Unregistered Break	ingeover d		9 4 3	219 82. 62.	.2 9 3	Machine Ad Unregistere Break	ljustment d		6 5 1	334.1 81.7 17.6
Scheduled Downtime	1	500.0	Product Cha Unregistere Break	ingeover d	PAYNTER	9 4 3	219 82: 62.	.2 9 3	Machine Ac Unregistere Break	ljustment d		6 5 1	334.1 81.7 17.6
Scheduled Downtime Select Line(s)		500.0	Product Cha Unregistere Break 09-04-2023	ogeover d 09-05-2023	PAYNTEF 09-06-2023	9 4 3 R CHART - Av 09-07-2023 0	219 82: 62. g downtime 9-08-2023	.2 9 3 e (min) 09-11-2023	Machine Ao Unregistere Break 09-12-2023	ijustment d 09-13-2023	09-14-2023	6 5 1 Total	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 18 32	Concer Coll ch	500.0	Product Cha Unregistere Break 09-04-2023	ungeover d 09-05-2023	PAYNTEF 09-06-2023	9 4 3 R CHART - Av 09-07-2023 0 18.42	219 82. 62. g downtime 9-08-2023	.2 9 3 e (min) 09-11-2023	Machine Ad Unregistere Break	d d 09-13-2023	09-14-2023	6 5 1 Total	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 18 32 32 32	Concer Coll ch Die Ch	500.0	Product Cha Unregistere Break 09-04-2023	ungeover d 09-05-2023	<b>PAYNTEF</b> 09-06-2023	9 4 3 <b>R CHART - Av</b> 09-07-2023 0 18.42 18.93	219 82. 62. g downtime 9-08-2023 50.08	2 9 3 e (min) 09-11-2023	Machine Ar Unregistere Break 09-12-2023	ljustment d 09-13-2023 93.20	09-14-2023 24.36	6 5 1 Total 18.42 33.37	334.1 81.7 17.6
Step Scheduled Downtime Select Line(s) 18 32 32 33 9 32	Concer Coll ch Die Ch Lunch	500.0 n Description ange	Product Cha Unregistere Break	ungeover d 09-05-2023	<b>PAYNTEF</b> 09-06-2023	9 4 3 8 CHART - Av 09-07-2023 0 18.42 18.93 30.87	219 82: 62. g downtime 9-08-2023 50.08	2 9 3 e (min) 09-11-2023 30.22	Machine Ar Unregistere Break 09-12-2023	ljustment d 09-13-2023 93.20 32.92	09-14-2023 24.36 29.31	6 5 1 Total 18.42 33.37 30.83	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 16 32 32 33 33 85	Concer Coll ch Die Ch Lunch	500.0 n Description ange	Product Cha Unregistere Break	ingeover. d 09-05-2023	<b>PAYNTEF</b> 09-06-2023	9 4 3 <b>R CHART - Av</b> 09-07-2023 0 18.42 18.93 30.87 15.00	219 82: 62. g downtime 9-08-2023 50.08	2 9 3 • (min) 09-11-2023 30.22	Machine Ar Unregistere Break 09-12-2023	ljustment d 09-13-2023 93.20 32.92 7.25	09-14-2023 24.36 29.31	6 5 1 18.42 33.37 30.83 13.07	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 18 33 33 33 33 85	Concer Coll ch Die Ch Lunch	500.0 n Description ange ange	Product Cha Unregistere Break	ungeover. d 09-05-2023	<b>PAYNTEF</b> .09-06-2023	9 4 3 <b>R CHART - Av</b> 09-07-2023 0 18.42 18.93 30.87 15.00	219 82: 62. 9 downtime 9-08-2023 50.08	2 9 3 • (min) 09-11-2023 30.22	Machine Ar Unregistere Break	d 09-13-2023 93.20 32.92 7.25 55.17	09-14-2023 24.36 29.31	6 5 1 18.42 33.37 30.83 13.07 55.17	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 18 32 32 32 88	Concer Coll ch Die Ch Lunch Schedu	500.0 n Description ange ange	Product Cha Unregistere Break	ungeover d 09-05-2023	PAYNTEF .09-06-2023	9 4 3 <b>R CHART - Av</b> 09-07-2023 0 18.42 18.93 30.87 15.00 15.53	219 82: 62. 9 downtime 9-08-2023 50.08	2 9 3 e (min) 09-11-2023 30.22 17.58	Machine Ar Unregistere Break	d 09-13-2023 93.20 32.92 7.25 55.17 18.21 24.52	09-14-2023 24.36 29.31 16.50	6 5 1 1 18.42 33.37 30.83 13.07 55.17 16.73	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 16 33 33 33 33 33 Select Measure	Concer Coll ch Die Ch Lunch	n Description ange ange led Break led Downtime	Product Cha Unregistere Break	ungeover d	PAYNTEF .09-06-2023	9 4 3 <b>R CHART - Av</b> 09-07-2023 0 18.42 18.93 30.87 15.00 15.53	219 82: 62. 9-08-2023 50.08 14.89 334.13	2 9 3 e (min) 09-11-2023 30.22 17.58 34.97 16 00	Machine Ar Unregistere Break 09-12-2023 500.00	d 09-13-2023 93.20 32.92 7.25 55.17 18.21 24.58	09-14-2023 24.36 29.31 16.50	6 5 1 1 18.42 33.37 30.83 13.07 55.17 16.73 142.66 12.67	334.1 81.7 17.6
Scheduled Downtime Select Line(s) 16 33 33 33 33 85 Select Measure Avg downtime (min)	Concer Coil ch Die Ch Lunch Schedi Scrap/	500.0 500.0 n Description ange ange led Break led Break led Downtime Parts Bin Changeout stered	Product Cha Unregistere Break 09-04-2023	09-05-2023	PAYNTEF 09-06-2023	9 4 3 <b>R CHART - Av</b> 09-07-2023 0 18.42 18.93 30.87 15.00 15.53 9.33 6.72	219 82: 62. 9-08-2023 50.08 14.89 334.13	2 9 3 6 (min) 09-11-2023 30.22 17.58 34.97 16.00 18.51	Machine Ar Unregistere Break 09-12-2023 500.00	d 09-13-2023 93.20 32.92 7.25 55.17 18.21 24.58	09-14-2023 24.36 29.31 16.50 20.72	6 5 1 1 18.42 33.37 30.83 13.07 55.17 16.73 142.66 12.67 85.07	334.1 81.7 17.6

### Shift report

This report displays the data for the last three shifts conducted on a production line. The shifts, along with their targeted output, are presented in the upper left-hand corner, along with a total for the three shifts.

In the middle, a Pareto chart is provided, showcasing all the stops.

On the right-hand side, weekly production goals are introduced, along with the cumulative output for the current week.

Finally, a live chart (similar to the Factbird's Dashboard) shows the output data for the three shifts.



### Daily report

This report displays daily production report showing the production results for multiple production lines against a target value.

The total OEE trend is shown on a month-to-date basis, allowing for a quick glance at the production in the current month.

The top 5 issues are displayed across all production lines, and the OEE trend is available for the selected production line.

Updated: 24/08/202 Report duration: 23	23 15 38 3/08/2023 16 38 - 24/08/2	023 15.38			Product	ion Results Ov	verview				
	Overall	Results			Operating				Top 5	issues	
Line	Operating Time (hrs)	Produced	OEE1	CtC	time 199.8	Line	Machine	Occ.	Duration (mins)	Product.	Comment
machine 1	10.65	4694	14.69%			nachine 2	Maskinstop	33	160.67	36180680000	
machine 2	18.59	23680	42.03 %		Produced	nachine 2	Maskinstop	14	66.08	22970440000	Wpks. I
machine 3	23.00	0	0.00%		216K	nachine 1	Maskinstop	13	63.90	15850010122	
machine 4	1.13	347	12.78 %			nachine 4	Maskinstop	5	25.77	15750011102	
machine S	14.16	25832	56.06 %		OEE1	nachine 5	Maskinstop	5	16.83	15270041302	
machine 1	23.00	0	0.00 %		49.25 %						
machine 2	B.36	8751	52.34 %								
machine 3	20.74	34915	84.20 %								
machine 4	21.07	31752	75.35 %								
machine 5	21.81	35458	81.28%			Cha Line Chin					1
machine 6	19.59	30509	78 15 %			Site Line Effic	iency				Line
machine 7	17.71	20379	57.53 %			100 %					machine 1 machine 2
100 % 50 %	у			MTD: 52.41 %	Yesterday: 45.31 %	80 % 60 % 40 % 20 %					machine 4 machine 5 machine 5 machine 2 machine 3 machine 4 machine 5 machine 6 machine 7
	Aug 06	Aug 13 Date		Aug 20		0.11	Aug	06	Aug 13 Date	Aug 20	

### Daily report

This report displays a daily report with the left side highlighting daily production within a 24-hour window across multiple production lines.

The right-hand side shows similar values but accumulates them over the week, providing insights into the week's overall production progress.

The report also includes the top 10 stops across all production lines.

Updated 18/09/2023 10.34			Repor	t (30	)/03/20	23 08	- 00.	31/0	3/202	3 08.00)	)	F/	ACTB	IRD
			Total Produce	ed	Site Over	all OEE2					Total Produc	ed	Site Overa	IL OEE2
I	Daily		278728	5	78.9	6 %	Acc	umula	ated (1	27 hrs)	151409	8	74.30	6 %
Lir	ne stats	;		0E	E			Li	ne stats	5		OE	E	
Line	Produced	Efficiency (%)	Line	OEE2	Total OEE2	Change	. I	ine	Produced	Efficiency (%)	Line	OEE2	Total OEE2	Change
Production Line 1	59100	64.14 %			Downtime %	over %	Product	ion Line 1	294565	58.17 %			Downtime %	over %
Production Line 3	50560	70.30 %	Production Line 1	70.43 %	29.57 %	7.26 %	Product	ion Line 2	45450	17.57 %	Production Line 1	67.45 %	32.55 %	6.39 %
Production Line 4	99468	69.98 %	Production Line 3	85.68 %	14.32 %	1.71 %	Product	ion Line 3	272409	69.02 %	Production Line 2	77.67 %	22.33 %	2.13 %
Production Line 5	19483	39.15 %	Production Line 4	71.40 %	28.60 %	9.04 %	Product	ion Line 4	452680	61.55 %	Production Line 3	79.54 %	20.46 %	2.31 %
Production Line 8	50115	88.16 %	Production Line 5	82.56 %	17.44 %	1.67 %	Product	ion Line 5	147916	59.69 %	Production Line 4	66.58 %	33.42 %	5.59 %
			Production Line 8	87.01 %	12.99 %	4.95 %	Product	ion Line 8	300939	81.41 %	Production Line 5	72.60 %	27.40 %	5.55 %
											10	-		
		lop	10 stops							lop	10 stops			
		Stop			Duratio	n (hrs)				Stop			Duration	(hrs)
+ COVER (	Production I	Line 3)				2.16		(Producti	on Line 5)					4.85
+ COVER (	Production I	Line 3)				1.78	WAITIN	IG FOR PR	ODUCT (Pro	duction Line 1)				4.61
CT WASHO	UT (Product	ion Line 4)				1.33	WAITIN	IG FOR PO	WDER (Prod	luction Line 5)				4.16
(Productio	n Line 1)					1.05		(Producti	on Line 5)					4.15
BATCH CHANGE (P	roduction Li	ine 8)				0.98		+ COVER	(Production	Line 1)				3.77
PRODUCT WASHO	UT (Product	ion Line 1)				0.84		(Production	on Line 3)					3.76
(Productio	n Line 1)					0.82		(Production	on Line 3)					3.76
Format Change	(Produ	ction Line 4)				0.81		(Producti	on Line 1)					3.60
WAITING FOR PRO	DUCT (Prod	luction Line 8)				0.75		(Producti	on Line 1)					3.59
WAITING FOR PRO	DUCT (Prod	luction Line 1)				0.58		+ COVER	(Production	Line 3)				3.52
Total						11.10	Total						3	9.78

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## Daily report

This report is a daily report visualizing the daily uptime for each machine, including a total daily uptime. These figures are also displayed in the table to the right, alongside the production quantities



This report is a weekly report with filtering option to select desired week. The report contains top 3 stops for each of the production lines, as well as weekly performance for each line (OEE, Downtime, Pcs etc).

The site total is displayed in the bottom, along with some extra measures only displayed for the whole site.

	TOP 3 LINE	STOP CAU	ISES			LIN	NE PERFOR	MANCE	(TOTAL	FOR THE	WEEK)		
Line	Stop Cause		Time Los	t (hrs)		Augusta	Destaura	Out the	0.00	Undersed	December 1	Transferration	7.4.4
LINE 1 -	Microstop		10.2	6		Availability	Performance	Quanty	OEE	(ht	s)	Produced	Produced
	Change Over		7.0	9		6	6	(i)	0		Ď	0	Ð
	Water		6.1										
LINE 2 -	Quality Issue		6.4	2 UN	E 1	72.55 %	68.04 %	100.00 %	49.37.%	34.2	22	144,655	86.158.90
	Microstop		6.2	8									
	Other		3.6	5		10000							
LINE 3	Change Over		11.3	9 UN	E 2	78.69 %	81,16 %	100.00 %	63.86 %	243	09	193,649	108,903.20
			1.9	5									
	Microstop		1.8		3	73.12 %	80.77 %	100.00 %	59.06 %	18.	37	37,716	117,379.00
LINE 4	Change Over		26.8	6		1001000							
	Quality Issues		.3.84	4									
			2.7	t LINE	E 4	51.05 %	93.72 %	100.00 %	47.85 %	40.7	78	39,794	29,011.03
LINE 5 -	Waiting for Materials		9.2	7									
	Change Over		7.9	1		10.77.9	07.00.00	100.00 %	E2 20 P	21	42	161 102	120 201 00
	Palletiser System		5.4	4		53.77.76	07,43 75	100.00 %	32.30 %	31.5	40	131,100	330,203.00
LINE 6	Change Over		13.1	5									
	Filler		12.2	5 LINI	E 6	42.86 %	97.23 %	100.00 %	41.68 %	41.8	85	36,478	82,998.50
			3.2	7									
LINE 7	Supplier Issue		16.0	0 11N	7	54.47 %	87.66 %	100.00 %	47.75 %	16.6	61	39.174	21,224.00
CHILL I	Change Over		10.5	4		2.11.02.14							67766.112.0.
	Microstop		2.4	1									
						PMANICE							
					SITE PERFC	RIVIANCE							
Availability	Performance Qualit	Y OEE	Unplanned Downtime (hrs)	Total Units Produced	Total Litres Produced	Rate lo while run	oss Tot	al Value o Time (%)	Total Cha	ange Over	Changeover	Average o	hangeover (hrs)
			and an										

This report is a weekly report showing the batches that have been produced in the week, along with various KPI's and targets.

Total produced, total scrap rate and OEE figures are available.

The stop pareto for the whole week and a table showing the changeovers between batches allows us to determine if we are hitting our targetted changeover goals.



This report is a weekly report showing actual output vs expected output. The batches that were running in the period are displayed in a table along with key measures.

A weekly trend showing the volume and Speed while manned is also displayed for the selected production line.

From: 20 To: 27/	0/08/23 08/23				Wee	ekly Re	port	
Line Constant of the second s	- Linje 3 Antal - Linje 4 Antal linje 1 - Antal linje 2- linje		Actual 364,836 0EE1 88.3 %		Expected 368,000 0EE2 75.6 %	0 Volume ⊙∧	urme • Speed while manned 4M 2M 0M 22 23 24 25 26 27	50 pedditer 28 - 29 - 30 - 31 - 32 - 33 - 34 - 0 Week
	1	Batches i per	rioden				Top	5 stops
Item nr.	Started	Expected	Actual	OEE1	OEE2		Cause	Duration (min)
35	22/08/2023 06:39	42,240	42,315	98.7 %	96.6 %	Pro	oces anlæg	355.95
35;	22/08/2023 16:48	21,600	21,870	100.0 %	100.0 %	Pro	duktskift	298.45
49	22/08/2023 22:08	2,400	2,495	100.0 %	54.4 %	Fo	mat skift	285.44
33.	22/08/2023 23:19	8,320	10,035	97.5 %	89.6 %	Re	ngøring	199.83
56	23/08/2023 01:55	4,800	4,595	97.2 %	66.3 %			196.75
73	23/08/2023 03:51	4,800	4,850	83.1 %	63.4 %			
73	23/08/2023 05:37	4,800	4,825	63.0 %	59.7 %			
73	23/08/2023 07:33	4,800	4,830	100.0 %	50.9 %			
73	23/08/2023 09:54	4,800	4,580	96.3 %	89.0 %			
40.	22/00/2022 11:00	0 000	0 160	100.0.9/	100.0.9/			
R								Updated: 28/08/2023 14:41

This report is a weekly report displaying OEE's and loss during operations of the week in the measures at the top.

The lost hours of the week is shown in a waterfall diagram, with a summarizing table on the right of the report.



#### FACTBIRD

Bucket	Waterfall value
1: Theoretical Maximum 24/7	144.0
2: Available Capacity	0.0
3: Weekend & Off-Shift	-61.8
4:1	-29.6
5: Overall Run Time	52.7
6: Breaks,	-1.2
7: Breakdown	0.0
8: Set-Up & Cleaning	-7.8
9: Other Delays	-9.7
10	33.9
11: Minor Stops	-3.7
12: Speed Losses	-1.5
13: Net Run Time	28.8
14: Yield / Scrap Losses	0.0
15: Re-Work	-0.1
16: Net Productive Time	28.7
Total	

This report is a weekly report showing key operating measures across 7 different lines.

Hedated: 05/06/2023 11 26

The report also shows pareto stops grouped across the lines on various stop categories provided by the customer.

Report dur	ation: 21/	01/2022	li) - 11/02/20	22			Pi	oduct	ion Results Overview	FAC
			Overa	all Res	ults				Health & Safety Quality	
Line	Manned Time	Production Time	Changeover Time	Operating Time	Valued Operating Time	Produced	OEE1	сıс	40 36 157 118	
fielrus i	33.1	40.0	9.2	50.1	21.0	14,000	39.94 70	03.4 %	20	
[T3] Line 2	195.4	168.0	43.5	124.5	66.2	621,143	53.19 %	74.9 %	44	20
[T1] Line 3	275.2	231.7	50.8	171.8	106.6	403,641	62.05 %	78.2 %		29
[T2] Line 4	260.6	214.7	33.6	181.1	102.4	598,828	56.52 %	79.5 %	0	-
[T2] Line 5	160.8	138,1	30.6	106.4	62.8	225,386	59.00 %	68.1 %	Line stopped Material Missh	
[T3] LINE 6	69.2	53.4	6,4	47.0	28.4	212,223	60.48 %	69.3 %	quality bothes	
[T4] Line 7	123.2	103.9	12.6	90.9	51.3	55,520	56.47 %	98.9 %		_
Total	1,137.3	955.3	186.7	757.9	439.4	2,131,347	57.98 %	75.7 %		
Category QUALITY ENGINEERIN PLANNING	₽u IG	ration (mins) 1,547.11 355.09 343.57 104.69 51.12	VAT	CHANGE MOVE TEAI	UN. M OFF THE L	183 26 57 ABLE 2 INE	Unation	551.36 389.39 362.52 137.63	0 COUNOT_CHANOT_NOT_CON AVAI AVAI AVAI SPI	20 IT LABELS NOT E AVAILABLE
1,500 1,000 500 0	154	3	55 ALITY ENG	344 INEERING	105	51 PLANNING	36 HEALT SAFE	i IH &	40 38 232 20 13 100 0 Information and Instruction issue - other clarity	62

BIRD

2

Label

print quality

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R

This report is a weekly report for a specified line showing the produced values along with OEE1, OEE2 and a custom customer measure "Zero Based Efficiency" for the line.



#### Daily/weekly/m onthly report

This report is an analytical report which allows the user to select their desired time frame they want to view.

KPI's are shown as tiles along with the possibility to include target values to color red/green.

A 6 weeks trend table is supplied which compares the selected date to the average values seen in a 6 week window.

	D	aily/Weekly/Moi	nthly Reporting			FACTBIRD
Production Line	g System	Time Day	Week Month	Custom	<u>Date</u> 1/2022 V	
Produced 4.408	Т	CU	OEE3	OEE2		OEE1
Unplanned Downtime 2,35	14.6	57 %	29.68 %	36.91 %	4	7.53 %
Speed Loss	Top 5 Stop Cause	s		6 Week Trend		
5 19 %	Line Category	Stop Cause	Time list (hrs)	KPI	Average	Trend
3,17 /0	VRA04 TCU	Personal eingeteilt	12.13	Produced	6.500	-32.2 %
	VRA04 OEE2		1.42	Downtime	17,3	11.4 %
# Unregistered	VRA04 OEE3	Regulare Pause	1.31	Stop Occurence	65	-32.0 %
Stops	VRA04 OEE3		1.02	TCU	40.7 %	-1.2 %
0 Target: 0			0.00		23.9 %	-9.2 %

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### Analysis report

This report is an analytical trend report alowing for a date selection with 4 weeks worth of data prior to that date. OEE1 and Produced output are displayed on a daily basis to view the trends.

Top 5 stop causes are also displayed for the 4 weeks, to see where the top issues are located.

The report allows for toggling between multiple production lines.



### Analysis report

This report is an analytical report showing 4 different types of stops across batches for a specified line.

The visuals also show the average stop time for the selected batches.

In the slicer to the left, batches included in the visuals can be selected/deselected.



### Analysis report

This report is an analytical trend report showing batch size plotted against selected OEE measures with a trendline.

The data included in the scatter plot can be selected through the Date slicer at the top left.



# Interactive report

This report is an interactive analytics report giving insight into top 5 and bottom 5 products for a selected measure/line(s) and date.

In the slicers to the left, it is possible to select a date range, which lines are included and the wanted measure for comparison of products.



# Interactive report

This report is an interactive analytics report giving insights into the top stop causes through a pareto chart and a table showing number of occurrences and total duration.

In the slicers to the left, it is possible to select a date range, which lines are included, and which stop causes are to be included.



#### **Stop Analytics**

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# Interactive report

This report is an interactive analytics report giving showing aggregate values of selected measure (top visual) along with the line values of selected measure (bottom visual).

In the slicers to the left, it is possible to select a date range, which lines are included, and the selected measure.



## DASHBOARD SOLUTIONS

#### Live status dashboard

This dashboard is a live dashboard giving a quick glance of the status of a production line.

This is a screen used on the production floor, to give quick insights into the production line.

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Last updated:

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#### Live status dashboard

This dashboard is a live dashboard giving a quick glance of the status of multiple production lines.

This is a screen used on the production floor, to give quick insights into the lines that are not running and the cause of this.

Line 01 OEE1 100.0 % Running	Line 02 0EE1 0.0 % IDLE - 76 d 22 h 40 m	FACT	BIRD
Line 03 0EE1 100.0 %	Line 04 0EE1 0.8 %	Line 05 0EE1 0.0 %	Line 06
Line 07 OEE1 100.0 %	Mechanical Fault - 73 d 22 h 1 m	Line on Standby - 74 d 20 h 1 m	Line 10       0EE1       96.9 %
Line 11 OEE1 Address 22.7 %	Line on Standby - 73 d 18 h 59 m	IDLE - 76 d 21 h 14 m Line 13 OEE1 Anden 11 0.0 %	Line 14       0EE1       0.0 %
Running Line 15 0EE1 67.2 %	Running Line 16 OEE1 100.0 %	Changeover - 74 d 22 h 7 m	Line on Standby - 80 d 21 h 17 m
Running	Running	Running	IDLE - 76 d 1 h 6 m

### Live batch dashboard

This dashboard is a Live batch dashboard similar to what is displayed in Factbird. 2 lines are displayed on one screen, allowing for tracking of the 2 batches that are currently running. Modifications have been made to the measures displayed in the right hand side. From top to bottom the measures are:

- Average on this order
- Expected average
- Output in the last hour





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## Live performance dashboard



# Live performance dashboard

) Supe	rvisor				00		3			FACTB
56.2 %	59.7 %		50.3 %	61.5 %		02		03	04	05
	24 hour	Production	Meter						OPR	
		1127			Time	Per hour	Downti	me (mins)	Other stops (mins)	Countermeasures
	Vagtskifte	Vagt	skifte I		14.00 - 15.00	65321/72000 (90%)				
00,000				-	15.00 - 16.00	48616/72000 (67%)	14.8 -			
					16.00 - 17.00	79227/72000 (110%)				
			1		17.00 - 18.00	84354/72000 (117%)				
			1		18.00 - 19.00	81766/72000 (113%)				
0					19.00 - 20.00	33439/72000 (46%)	36.1 - A	GV afhentning		
2:00 PM	8:00 PM	2:00 AM	8:00 A	AM	20.00 - 21.00	44382/72000 (61%)	11.4 - A	GV afhentning		
		Tid					11.8 - A	GV afhentning		
					21.00 - 22.00	41665/72000 (57%)	12.7 - A	GV afhentning		
		FPY					8.5 -			
100				0.0000000000000000000000000000000000000	22.00 - 23.00	50400/72000 (70%)	5.8 - AG	V afhentning		
100							7.0 - AG	V afhentning		
					23.00 - 00.00	3984/72000 (5%)			2.6 - Ingen omstilling (grå)	
50							45.3 -	afhentning		
					00.00 - 01.00	39411/39644 (99%)			27.0 - Fællespause	
									4.8 - Ingen omstilling (grå)	
0					01.00 - 02.00	70731/67163 (105%)			4.0 - Fællespause	
6:00 AM	8:00 AM	10:00	AM	12:00 PM	02.00 - 03.00	31395/51847 (60%)			16.8 - Fællespause	
		Tid			<u></u>		17.8 -	afhentning		
					03.00 - 04.00	44958/62440 (72%)			15.4 - Ingen omstilling (grå)	
Shift name	Time	Produced	Expected	% Complete	Y				8.0 - Fællespause	
Shirthame	inne	riouuced	expected	70 complete	04.00 - 05.00	44245/61350 (72%)			8.9 - Fællespause	
Aften Hold	14.00 - 22.00	477,453	424,800	112.4 %			18.7 -	- Andet		
Nathold	22.00 - 06.00	352.019	435,380	80.9 %	05.00 - 06.00	68650/72000 (95%)				
Morgenhold	06.00 - 09.29	152,876	185 850	823%	06.00 - 07.00	48048/72000 (66%)	170		7.3 - Maskinelæring	
morgennold	00.00 - 05.29	132,070	105,050	02.0 0	0700 00 00	40000 (2000 (2000)	17.2 -	imer - Andet	A	
		982,348	1,046,030	93.9 %	07.00 - 08.00	18929/72000 (26%)	12.7	to the set of the	2.6 - Maskinelæring	
							43.7 -	athentning		

## Live performance dashboard



05-10-2023

## Who is emendo digital?

	Tools & Applications	Developing everyday business aapplications, customized for organizations
N	Data Analytics	Generating insights using state-of-the-art data modelling techniques
•	Digital Transformation	Assisting organisations in aaligning technology with business goals
0	Automation & Real-Time Control	Engineering machine-intelligence with autonomous system technologies

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