

SAP Business One Dashboards

Better results with SAP Business One

Manual for consultants

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We describe in a very clear way how dashboards are used to improve results

Dashboards help to set and track targets

Performance indicators measure success

Analytical dashboards provide statistical values if that helps to understand the processes

When companies implement SAP Business One they expect better processes and more productive production. But achieving and maintaining this is an ongoing process that goes beyond the implementation of an ERP-system.

Two approaches are included.

- One is the step-by-step structure of the dashboards.
- The second approach is to better evaluate key figures with statistics

This is a clearly defined way to provide the right information to the responsible employees.

This includes

- Dashboard with the company values sales, contribution margin, value added for the entire company
- Strategically important dashboards on customers, products and resources

- Customers, contribution margins as well as orders, delivery times, compliance with delivery times
- Products, contribution margins as well as quantities and productivity
- Resources, monitoring of orders, productivity, costs

Performance Gaps are identified by

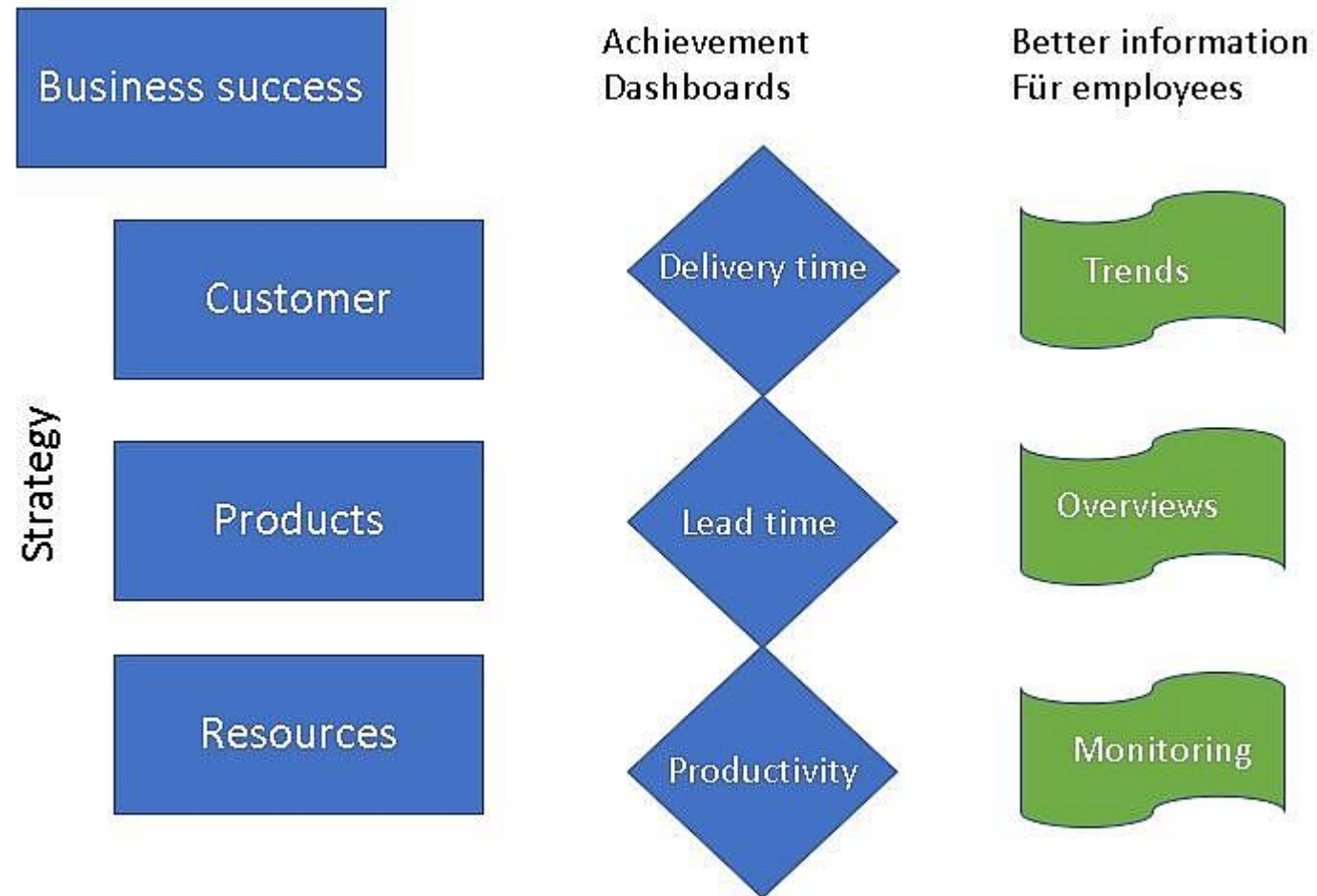
- Analysis of productivity (resources)
- Analysis of delivery times
- Analysis of throughput times
- Analysis of time spans for quotation processing, order processing, etc
-

The method is very simple.

With the strategy Dashboards you define the targets of the company.

The achievement dashboards control whether the processes are designed to meet the requirements

Functional dashboards support employees with information they need.



All processes are characterized by capacity, stability and Quality

This applies to all achievement processes:

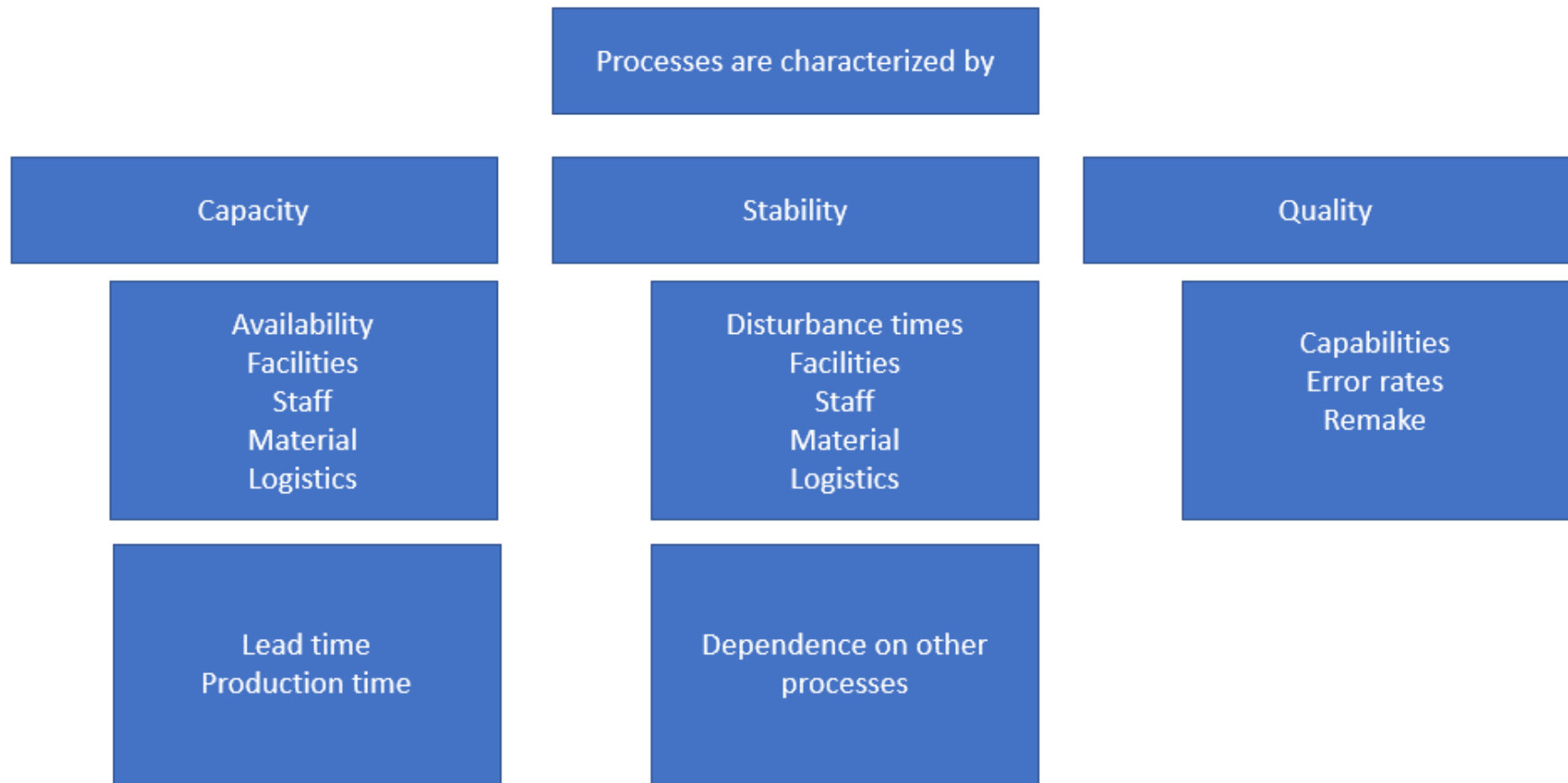
Offer processing

Order processing

Logistic

Production

etc



You can start with dashboards at any point, with customers, resources, products or with the support of production control or the measurement of productivity or lead times.

The most sensible approach is to install a central dashboard that identifies contribution margins/sales and assigns other metrics to these central values. These could be: time spent to achieve sales, contribution margins per minute, contribution margins per unit, etc.



If you are unsure which goals should be achieved, it is a good idea to introduce cost accounting. Cost accounting shows when hourly rates are too high, cost centers have too few productive hours, etc. This is especially evident when cost centers are planned and the differences to actual costs are shown.

Cost accounting, e.g. Business Performance, has a cost unit accounting. From cost unit accounting you can see the actual costs of the article groups and define targets according to the article groups.

Learn more about Business Performance

https://www.jochenclemens.de/en/business_performance/

Learn more about Activity based cost management

<https://www.jochenclemens.de/en/activity-based-cost-management-created-with-boyum-dashboards/>

Bezeichnung	Machinery	Tooling equipment	Housings	Valves and accessories	Pressure Sensors	Tubes	Summe aus Positionen
Revenues	137.000,00	41.000,00	36.000,00	44.000,00	38.000,00	43.000,00	214.000,00
Material	9.000,00	41.169,00	9.000,00	9.000,00	9.000,00	9.000,00	59.169,00
Contribution	128.000,00	-169,00	27.000,00	35.000,00	29.000,00	34.000,00	154.831,00
Production	9.935,72	9.935,72	4.967,85	4.967,85	9.935,72	9.935,72	24.839,29
Sales and administration	1.072,30	5.361,52	1.072,30	1.072,30	1.072,30	2.144,60	7.506,12
Profit	116.991,98	-15.466,24	20.959,85	28.959,85	17.991,98	21.919,68	122.485,59

Better results with SAP Business One

Controlling	Customer	Item	Resources	Cost Center	Cost Objects
Sales Volume	■	■			■
Contribution Margin	■	■			■
Efficiency			■		
Utilization			■		
Added Value	■	■			■
P&L Statement					■
Product. Cash Flow				■	
Sales Volume Item		■			

Customers deserve your special attention. It should react quickly when changes occur. To do this, you need to consider what view you should have of customers. This is not only about sales but about all data that are valuable for the view on customers. Which article groups are bought, which activities are undertaken by the sales department. Which offers are currently being processed, which orders have not yet been delivered, etc.

SALES CUSTOMER

Dashboard

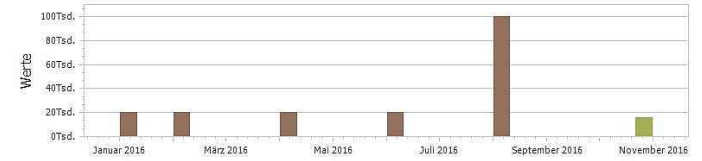
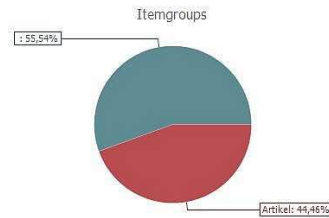
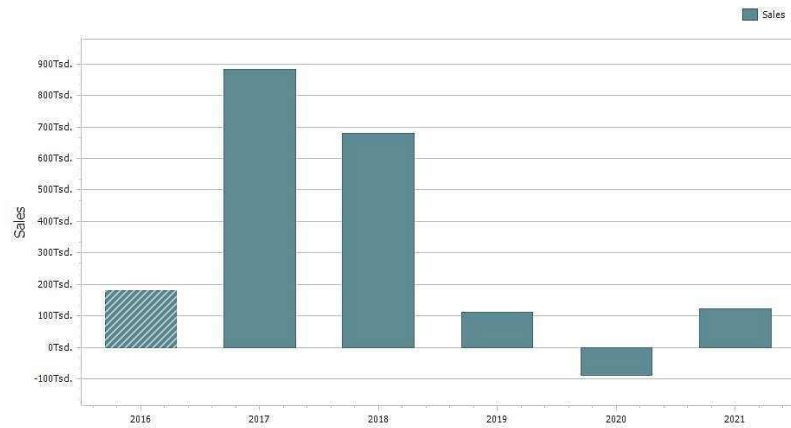
Sales

Service

Sales in recent years

Itemgroups

Sales per month



Top 10

Item	Descr.	Itemgr.	Sales	Date
bohrer	Bohrer	Artikel	20	2016
bohrer	Bohrer	Artikel	20	2016
werkzeuge			100	2016

Sales of the year

Activities

Activities

ArInvoiceNumber	Item	descr.	Itemgroup	quantity	Sales	Date
188	bohrer	Bohrer	Artikel	1000,00	20000,00 €	10.06.2016
189	bohrer	Bohrer	Artikel	1,00	20,00 €	08.06.2016

Type	Document	Item	Descr.	Status	Sales
Angebote	154	1124	Sieb	O	1000,00 €
Angebote	160	R001	Unterbau	O	6000,00 €
Angebote	160	R002	Roboter	O	15000,00 €
Angebote	160	R003	Schweiss Einheit	O	3000,00 €
Angebote	160	R004	Steuerung	O	2500,00 €
Angebote	160	R005	Montage im Haus	O	5000,00 €
Angebote	165	1123	Behälter mit Sieb	O	33000,00 €
Angebote	165	1124	Sieb	O	100,00 €
Angebote	165	E1	Enderzeugnis	O	76,00 €
Aufträge	343	bohrer	Bohrer	O	20,00 €

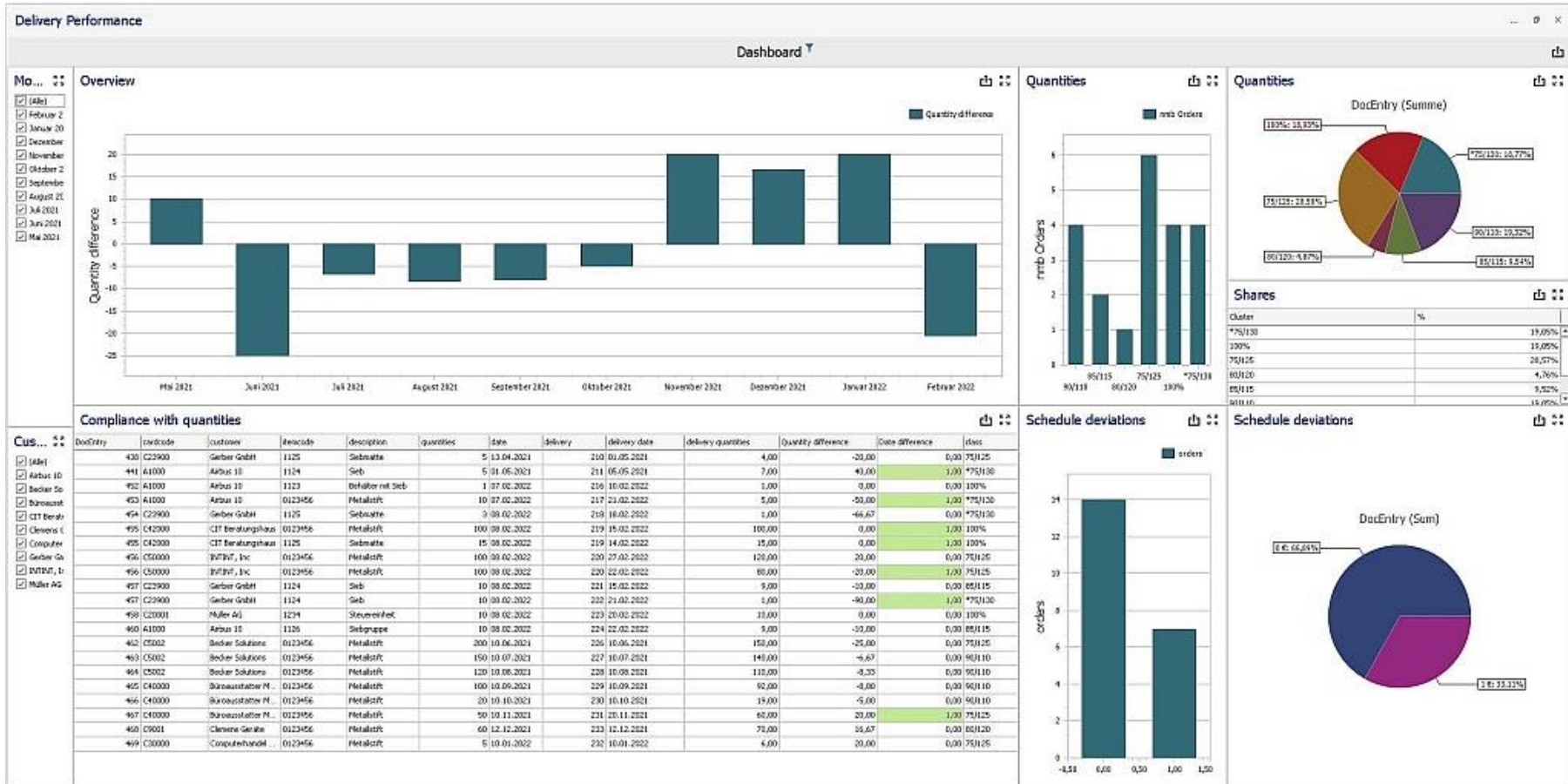
Special prices and discounts

Item	Descr.	Price	Discount
01234567	Rädchen		0,27 €

Contact persons

Name	Position	Tel	Mobile Phone	E-Mail
Christian Gander	Mitarbeiter Einkauf	30/56590-1	89/104-9100	christian.gander@veit.de

If one wants to satisfy customers, one must ask oneself which adjusting screws can be used. This can be compliance with the required delivery quantities and/or delivery times. Or faster response to inquiries or better response to service requests. In SAP Business One you can find a lot of data that you can show to identify gaps and finally improve them. As an example delivery performance can be mentioned. We call these types of figures performance indicators. These figures help to improve the relationship to customers, help to improve products and help to improve the organization in the production department.



The dashboard delivery performance stands for

Customer complaint

Cycle time of the customer orders

Time to cash customer orders

Customer satisfaction

Return shipments

etc

Products

Contribution margin, efficiency and scrap are relevant performance keys for products.

Products Overall

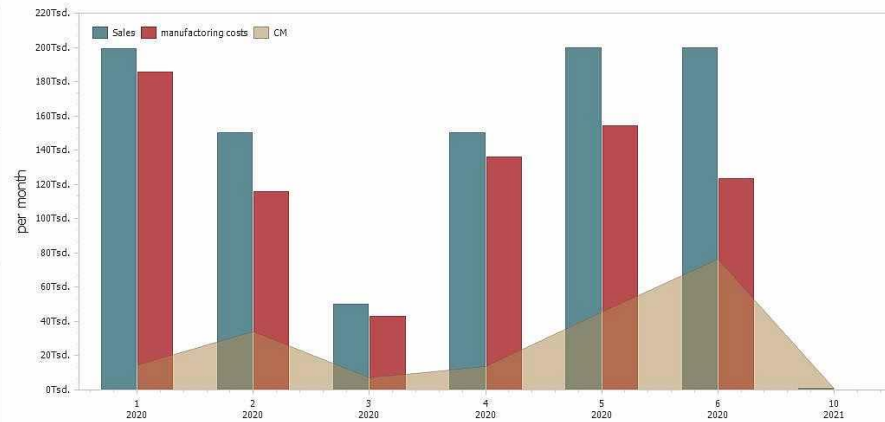
Dashboard

Produkt

Items

- b2
- b3
- b55
- beerb
- BG001
- BG002
- BG003
- bohrer
- BS
- C00001
- C00002
- C00003
- C00004
- C00005
- C00006
- C00007
- c001
- C1
- e991
- cc1
- CDS
- CONPUR207_MIX
- CONPUR207
- D
- DE
- DEF
- DS001
- E1
- EP1
- EX1
- EX2
- EX3
- F08
- F1
- F71
- fse

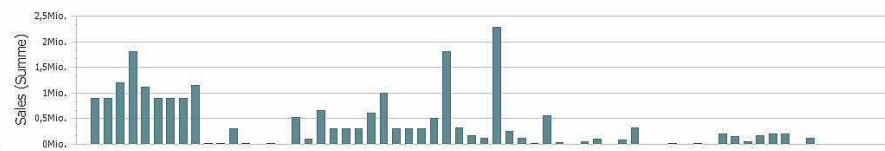
Contribution margin



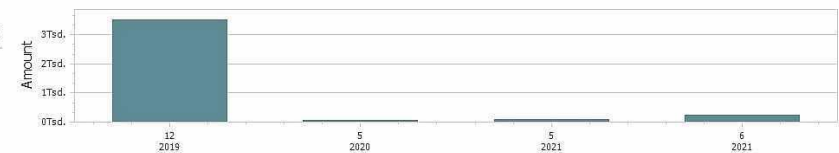
Efficiency

Order	Position	Date	Item	Description	Resource	Pos	Quantity	Act. Time	Planned Time	Efficiency	
764	10	2020	OH9	... Abzug	PA	...	10	200,00	120000,00	100000,00	83,33
765	10	2020	OH9	... Abzug	PA	...	10	150,00	75000,00	75000,00	100,00
766	10	2020	OH9	... Abzug	PA	...	10	50,00	27700,00	25000,00	90,25
767	10	2020	OH9	... Abzug	PA	...	10	150,00	88200,00	75000,00	85,03
768	10	2020	OH9	... Abzug	PA	...	10	200,00	100000,00	100000,00	100,00
769	10	2020	OH9	... Abzug	PA	...	10	200,00	80000,00	100000,00	125,00
813	10		OH9	...	C700-1	...	30	20,00	1000,00	2000,00	200,00
813	10		OH9	...	HLF	...	20	20,00	1000,00	2000,00	200,00
829	10		OH9	...	CAF	...	10	10,00	2500,00	5000,00	200,00
830	10		OH9	...	CAF	...	10	2,00	17,00	20,00	117,65
833	10		OH9	...	PA	...	10	2,00	900,00	1000,00	111,11

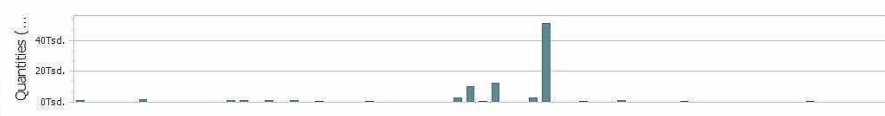
Sales



QC



Quantities



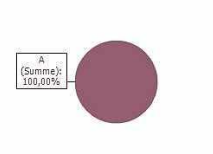
Wastage production



Wastage assembly



Wastage



Lead time

(Lead time) Performance-gap

Analyse der Durchlaufzeiten

Orders outside of the thresholds

Orders within the thresholds

order

- (Alle)
- 302
- 318
- 325
- 329
- 330
- 335
- 336
- 337
- 351
- 375
- 376
- 387
- 410
- 413
- 444
- 518
- 579
- 600
- 612
- 730
- 753
- 760
- 762
- 763
- 801

Position

- (Alle)
- 10
- 20

Itemgroup

- (Alle)
- Runddraht
- Stanzband Emulsion

quantities

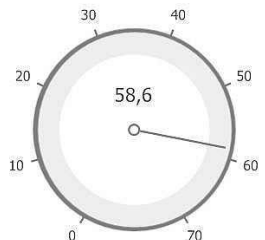
- (Alle)
- 2
- 10
- 11
- 20
- 50
- 55
- 100
- 120
- 300
- 500

item

- (Alle)
- 1301
- b3
- C1
- E1
- korv
- ob
- OH
- OH1
- oh3
- 760

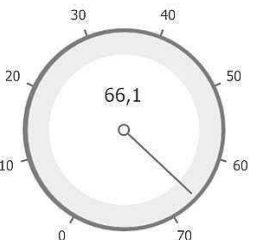
order	position	item	itemgroup	quantity	lead time
302	10	OH	Runddraht	55	196
318	10	PHO	Runddraht	120	14
325	10	skoberne	Runddraht	1Tsd.	114
329	10	suf	Runddraht	500	10
330	10	statue	Runddraht	10	54
335	10	1301	Stanzband Emulsion	100	5
336	10	1301	Stanzband Emulsion	50	1
337	20	1301	Stanzband Emulsion	50	1
351	10	korv	Stanzband Emulsion	300	46
375	10	korv	Stanzband Emulsion	11	1
376	10	C1	Runddraht	10	119
376	10	C1	Runddraht	20	93
387	10	sp01	Runddraht	10Tsd.	4
410	10	sp01	Runddraht	100	2
413	10	sp01	Runddraht	600	3
444	10	ob	Runddraht	100	144
518	10	OH1	Runddraht	10	1
579	10	OH1	Runddraht	100	42
600	10	PA	Runddraht	1Tsd.	12
612	10	OH1	Runddraht	120	1
730	10	b3	Runddraht	2	171
753	10	OH1	Runddraht	50	113

lead time



Lead time AVG

stability



stability (StdDev)

under MIN

order	position	item	lead time
-------	----------	------	-----------

over MAX

order	position	item	lead time
302	10	OH	196
730	10	b3	171
760	10	OH1	177

Lead time stands for

Costs per item

Material

Production

Overhead

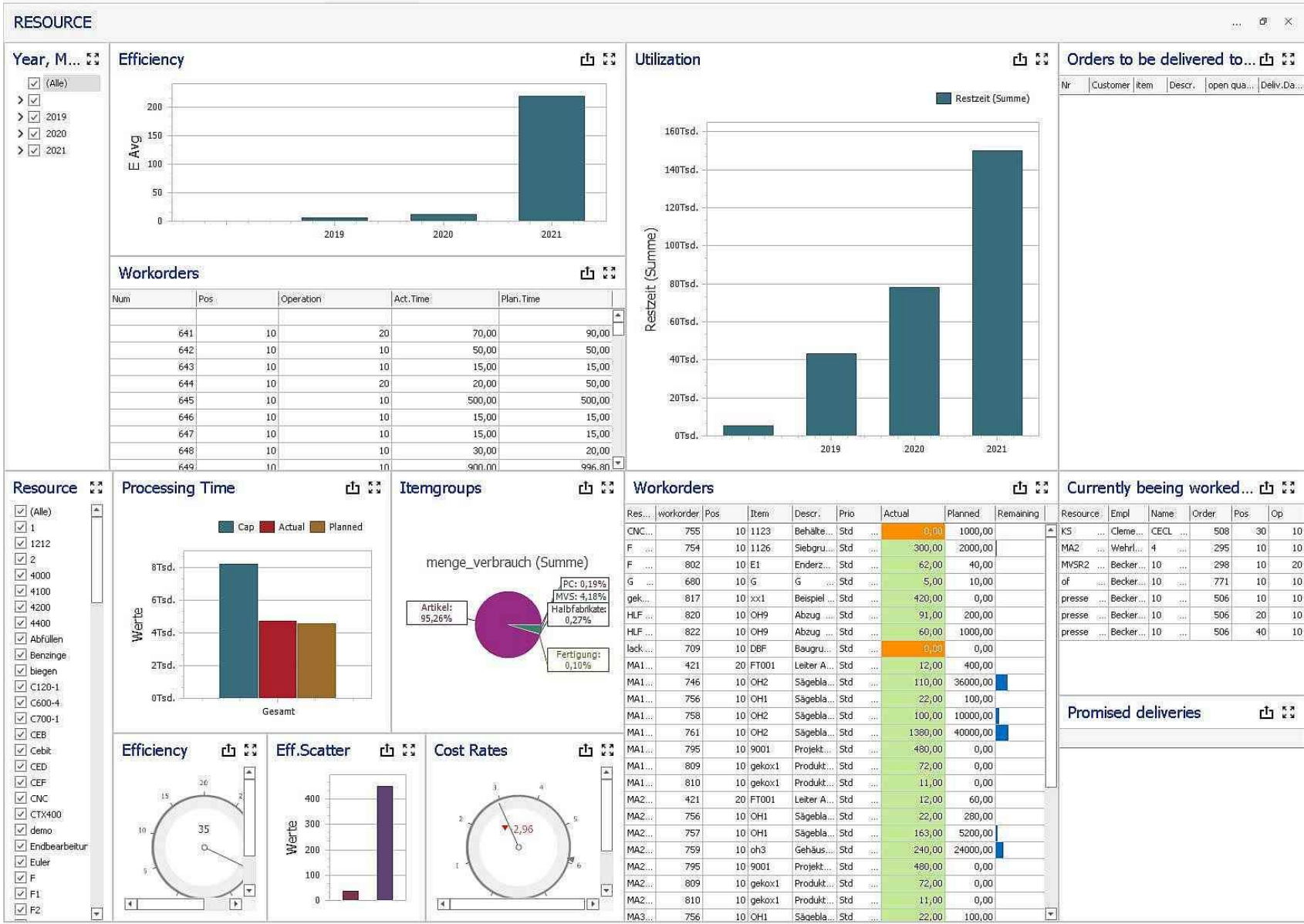
Stock

Stock turnover

Scrap

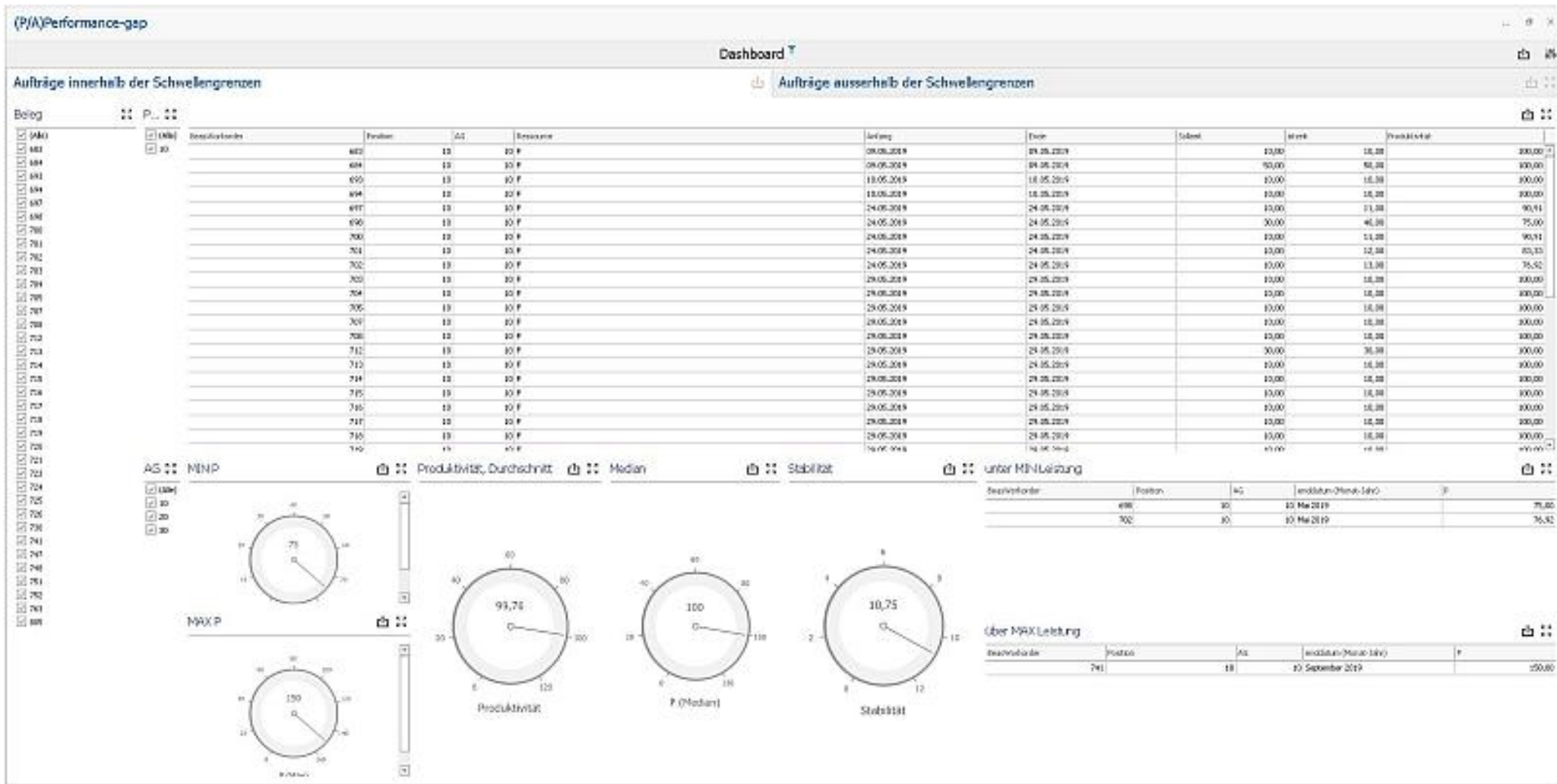
Eg

About resources one should know the productivity and the utilization.
In addition, it is important which costs arise.



For critical processes, we show the standard deviation for the key figures, e.g. for productivity. The standard deviation indicates how the values fluctuate around the mean value. Strong fluctuation indicate unstable processes for which there are many causes. But you can find out this when you look at the orders. Therefore you can call up the production orders from the dashboard.

If you find causes again and again you can improve the organization. Step by step. And the fluctuations become smaller and smaller, the organization of the production will be developed to a new level.



The dashboard performance-gaps stands for

Utilization

Efficiency

Costs

Monitoring production orders

Lead time

Unfilled orders

Maintenance costs

etc

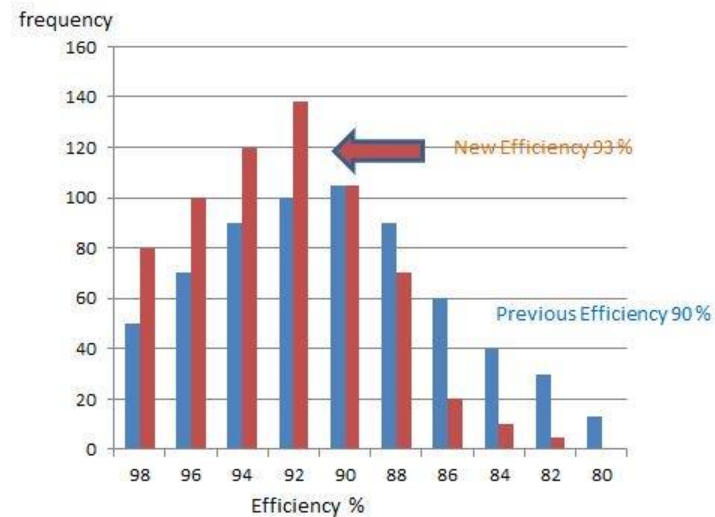
Reduce spread width – reliable processes

The Performance Gap dashboards calculate the standard deviation. This calculates the threshold average \pm standard deviation. In the dashboard, you can see the orders below the threshold in one window and the orders above the threshold in another. Click on the row and see the order.

This applies to all processes, lead times, hourly rates, and costs.

And it is the best method to find out where the gaps are. If you have a wide width it may be that you have too much influences. It may be that you have different processes and it is better to separate the processes. Or there are disruptions in the process. It's probably easy to minimize them. This method will bring you to a better process organization and therefore to better results.

This methodical approach helps to define targets. Define targets according to the standard deviation. E.g. set the target for productivity to the average + X standard deviation. The advantage is that you can measure it.



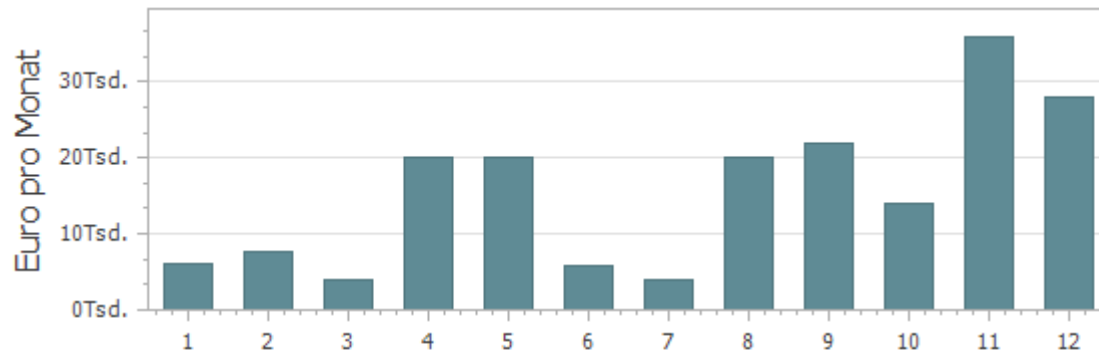
Changes in the basic key figures have impact on other key figures

If we pay attention on productivity, we have an effect on cost rates. If we influence productivity we also influence cost rates.

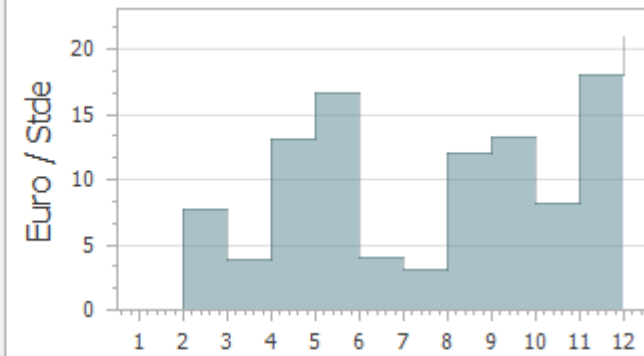
But there is the same problem. When there are a lot of ups and downs, the rates fluctuate a lot, and you have to figure out the reason.

Kosten pro Kostenstelle

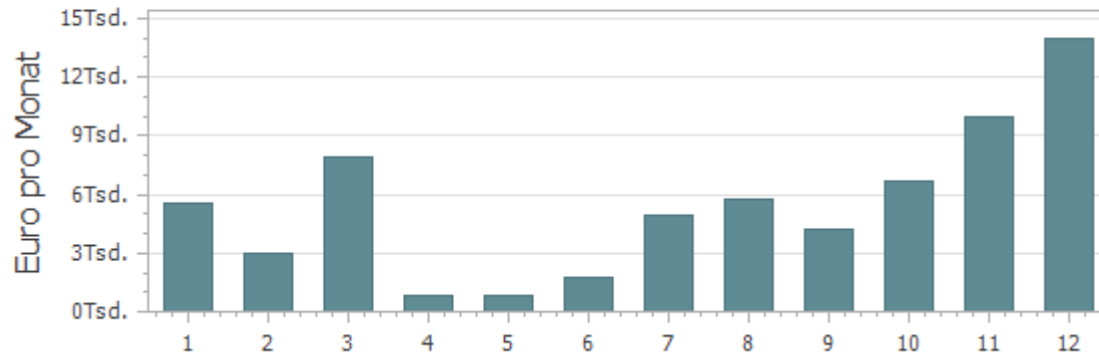
Variable Kosten



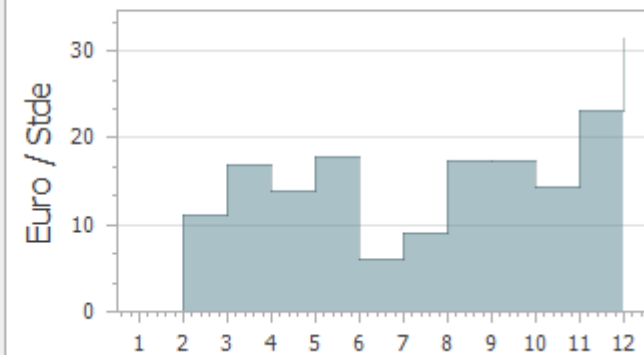
Grenzkosten pro Stunde



Fixe Kosten

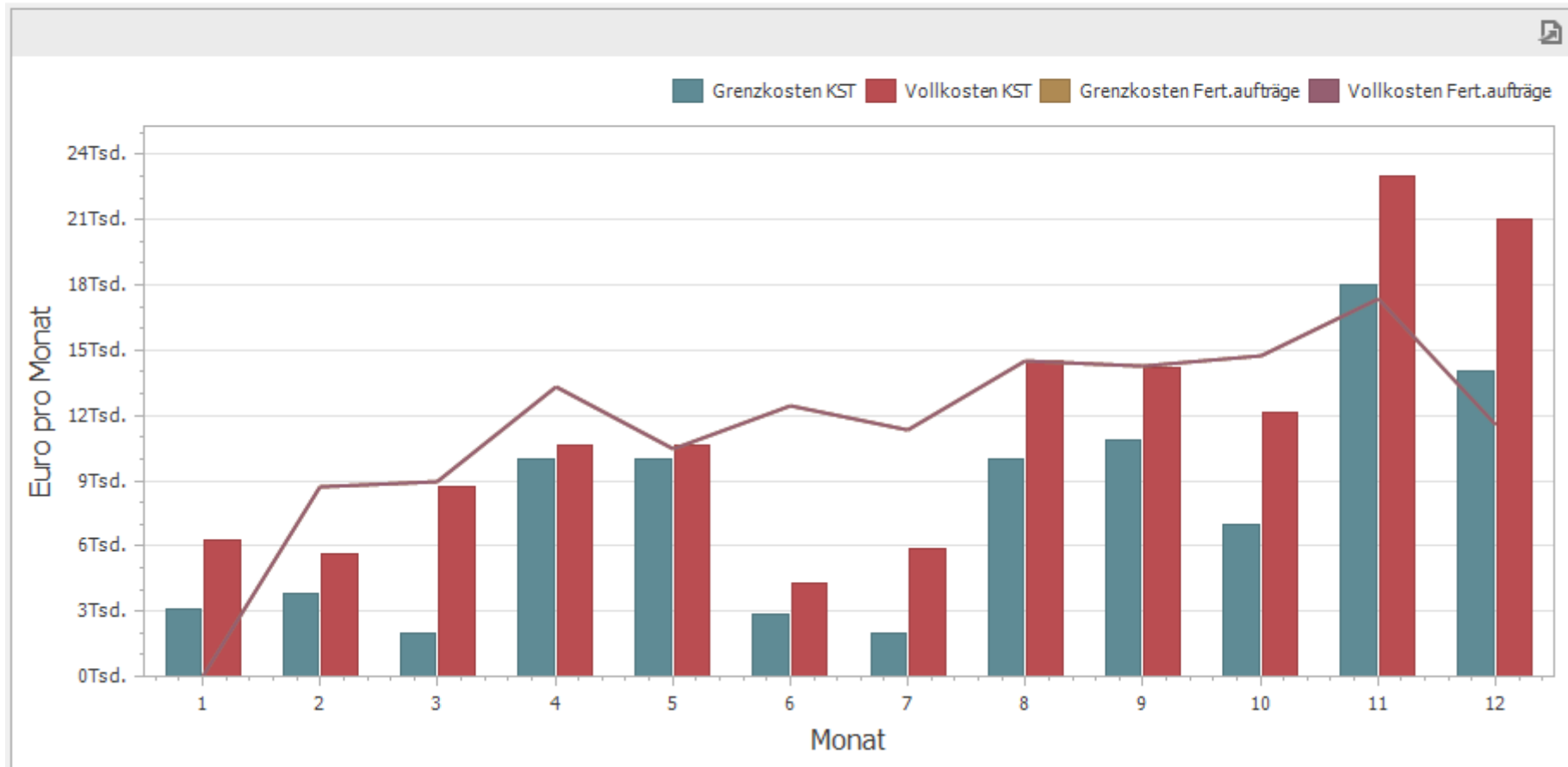


Vollkosten pro Stunde



If you compare the actual costs of a cost center in the production department with the planned costs based on actual hours you see the result.

Produktions Cashflow



Dashboards are mostly used to support transformation processes. Sometimes you need more information to impact KPI's. With dashboards you can show what you need, in a very packed view. Your Employees will be motivated because dashboards will indicate the goals and when better information is needed, it will be provided.

Artikel Bestand Zu- und Abgänge

Monate: **Verlauf der Abgänge** **Umschlag** **Zukauf** **ABC**

Tabelle Zu- und Abgänge

ItemCode	Artikelbeschreibung	Transaktion	Datum (Monat, Jahr)	Menge	Umsatz
1125	Behälter mit Sieb	Artikel	Juli 2021	30,00	0,00
1124	Sieb	Artikel	November 2020	0,00	10,00
1124	Sieb	Artikel	April 2021	30,00	0,00
1124	Sieb	Artikel	Mai 2021	7,00	0,00
1125	Siebwaibe	SPH Filter	Januar 2021	20,00	0,00
1125	Siebwaibe	SPH Filter	Mai 2021	580,00	0,00
1125	Siebwaibe	SPH Filter	April 2021	20,00	0,00
1125	Siebwaibe	SPH Filter	Mai 2021	4,00	0,00
1127	Streuwaibe	Artikel	April 2021	3,00	0,00
1204	Streuwaibe	PC	Mai 2021	0,00	10,00
1204	Streuwaibe	PC	Mai 2021	100,00	0,00
1412	Mischwerkstoff	Mischwerkstoff	Juli 2021	1,00	0,00
2000	Profilzylinder	Artikel	April 2021	0,00	2,00
B1	Gruppe 1	Artikel	Juni 2021	0,00	100,00
B1	Gruppe 1	Artikel	Juni 2021	1,00	0,00
B3	Gruppe 3	Artikel	Mai 2021	2,00	0,00
CEA	Produkt A	Artikel	August 2020	0,00	30,00
CEA	Produkt A	Artikel	August 2020	30,00	0,00
CEA	Produkt A	Artikel	Mai 2021	0,00	2,00
E1	Endausgabe	Artikel	Juni 2021	0,00	1,00
montage	Montage	Artikel	Juni 2021	0,00	0,00
montage	Montage	Artikel	Juni 2021	0,00	2,00
montage	Montage	Artikel	Juni 2021	0,00	100,00
ORP	Abzug	Artikel	Mai 2021	0,00	100,00
ORP	Abzug	Artikel	Mai 2021	1,00	0,00
ORP	Abzug	Artikel	Mai 2021	0,00	0,00

Alarm (Umschlag der letzten 3 Monate)

ItemCode	Artikelbeschreibung	Artikelgruppe	Bestand	Menge (Summe)	Umschlag (Summe)
1123	Behälter mit Sieb	Artikel	124,94	10,00	0,08
1124	Sieb	Artikel	206,41	7,00	0,03
1125	Siebwaibe	SPH Filter	431,00	4,00	0,01
1412	Mischwerkstoff	Mischwerkstoff	7,00	1,00	0,14
B1	Gruppe 1	Artikel	194,50	3,00	0,03
B3	Gruppe 3	Artikel	2,00	0,00	0,00
CEA	Produkt A	Artikel	22,00	0,00	0,00
E1	Endausgabe	Artikel	14,00	0,00	0,00

Bestand

Rahmenverträge

Vertragsnummer	Geschäftspartner	Artikel	Beschreibung	Startdatum	Enddatum	Preis	Prozentsatz	Abgabemenge	Preisverzug
V0000	Michael Krause GmbH	1204	Streuwaibe	08.06.2021	31.12.2021	600 €		20,00	0,00
V0000	Michael Krause GmbH	1204S	Streuwaibe	08.06.2021	31.12.2021	30 €		100,00	0,00

1 Ressourcenauslastung (Version 1)

Textfeld

In dieses Feld können Sie eintragen was Sie wollen. Hierzu muss das Dashboard im Editor aufgerufen werden. Die Texte können von den Anwendern nicht geändert werden.

Heute ausgehende Sendungen

Beleg	Kunde	Name	Artikel	Beschreibung	offene Menge	Lieferdatum	Pos	AG
4831A1000		Artikel 10	1234	Streuwaibe		2,00 20.11.2022		20/maschine 1

Umsatz (Lieferscheinen)

Aktive Stempelungen

Name	Auftrag	Pos	AG
Becker, Emil		295	10
Becker, Emil		506	10
Becker, Emil		506	20
Becker, Emil		506	40
Becker, Emil		771	10
Clemens, Jochen		509	30
Wielke, Tim		295	10

RMA Status 01_gemeldet

RMA Status 05_Freigabe

RMA Liegedauer

gemeldet **Freigabe** **Liegedauer**

Spalte	Spalte	Spalte
7	7	7