

## **Produmex WMS**

### **B1UP Dashboards**



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### Get a real-time insight in your logistic operations through the Produmex WMS B1UP Dashboards

Understanding how your logistic operations are running at a glance is a "must have" for you as a manager, warehouse supervisor or purchasing and sales staff member. That is what the B1UP dashboards (B1 Usability Package) for Produmex WMS can offer you. They allow you to have a view on just that information that you need, in the format that you wish. They also allow you intervene quickly if required.

To use them all staff that requires to access this information just needs a B1UP license. This Boyum IT Solution is up and running in minutes. The dashboards are delivered along with B1UP free of charge.

The B1 Usability Package is an SAP Business One customization tool that allows to fine-tune SAP Business One functions to your specific business requirements

B1UP allows to build interactive dashboards and charts using SAP Business One and Produmex WMS data and allows to extend them quickly and easily. B1UP includes a cockpit that provides interactive tools to review up-todate data and make on-the-go decisions. Data can be displayed in eye-catching, colorful charts and pop-up dashboards to visualize your SAP and WMS data.

This document describes a number of examples of dashboards that will be useful to monitor the efficiency of your logistic operations. They can be easily adapted and extended by you and they are delivered as standard dashboards with B1UP both for a Microsoft SQL Server and a HANA environment. These dashboards are available for B1UP and Produmex WMS users with WMS's version 2021.12 or higher.



### **Generic Produmex WMS Workload Overview**

This combined dashboard provides in-depth information about a number of critical tasks that influence the logistic operations in a warehouse. The dashboard will allow warehouse managers and supervisors, as well as other management staff to have a clear view on the workload on the warehouse for the various operations.

This dashboard will provide an overview of all inbound, outbound and internal logistics operations.



### Inbound Logistics Workload Overview

#### PO Receipts Dashboard

As a warehouse manager or supervisor, it is important for you to know which inbound logistics workload is expected for the warehouse, on a daily basis, but also looking into the near future and looking back. How many purchase orders, containers, inventory transfers, ... are due to be delivered on a given day will determine whether you can cope with the available staff, whether you should move people from other warehouse areas to the inbound area or whether you should apply for additional staff, especially in peak periods like the holiday season. On the PO Receipts side, you can monitor the number of PO receipts that you will have to manage today, tomorrow or over the next week. This will allow you to balance the workload. You can have a view on the situation by warehouse, by item or by supplier. There is also the possibility to have an historic view on what workload had to be managed over the last month or 3 months - or any other period that might be required for you to have historic insight in how your logistics operation work.

It is also possible to drill down to individual purchase orders and filter on open or closed orders and get an overview of receiving costs over time.



#### **Put-Aways Dashboard**

Closely associated with the workload of goods receipts is the workload of put-aways. What is received on the receiving docks or in the receiving or production area needs to be put away in the warehouse as soon as possible. You cannot afford that the receiving docks or receiving area gets overloaded. So a clear view on the quantity of logistic units on the receiving docks or in the receiving area is of paramount importance for a warehouse manager or supervisor to ensure a smooth flow of goods from the receiving docks or area into the warehouse.

Apart from the inbound logistics put-aways there can also be put-aways associated to production or value added logistics operations. These can also be monitored at the warehouse supervisory level to assess the upcoming workload.

Various filters can be set to fine-tune the information, such as:

- Source and target warehouse
- Source and target locations
- Put-aways by item
- Put-aways from production or a GRPO

It is also possible to click through to each individual putaway order in Produmex WMS.

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### **Outbound Logistics Workload Overview**

#### Sales Order Deliveries Dashboard

On the outbound logistics side, the warehouse management staff also needs to know what the load on the warehouse will be. The "SO Deliveries" dashboard allows to have a clear overview of the sales fulfilment workload in the various warehouses.

Again, a number of filters can be set, including:

- The time frame (today, tomorrow, a week from now) or in the past (30 days, 90 days, ...)
- The sales orders and their status
  - Open = no picklist created, Pick & Pack = picking and/or packing has been done, Closed – sales order has been delivered or closed

- The warehouse from which the sales orders have to be delivered
- The sales orders by item or customer
- The number of sales orders and the number of sales order rows
- The sales volume over time

It is always possible to click through to a specific sales order, a specific item in specific sales orders or the sales orders for a specific customer.

	Workload	PMX Cont	ainer Manage	ment	Pick and P	ack Kanban	Finance	S	ervio	ce Pr	oductio	n	Calendar	WMS		manager	Boyum	Demo	С
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#### **Picklists Dashboard**

A warehouse manager or supervisor needs to be aware at all time of the outbound logistics workload: his or her warehouse operations will face on a particular days. This includes:

- How many picklists are open and what is their status?
- Is there a backlog from the previous days?

It is possible to filter on a number of aspects, including:

- The time frame today, tomorrow, a week from now)
- The picklist status not ready to pick, ready to pick, picking completed, packed)

- The target location via which shipping location have the picklists to be shipped)
- The priority of the picklists which can be changed by accessing the picklist in Produmex WMS through the dashboard
- The picklists by route, by item or by customer
- The status of the picklists progress bar

It is always possible to click through to a specific picklist, the picklists for a specific route, a specific item in a specific picklist or the picklists for a specific customer.

PMD	Workload	PMX Co	ntaine	er Manager	ment	Pick and Pack	Kanban	Finance	Serv	ice Pr	oductio	'n	Calendar	WMS		manager	Boyum	Demo	С
WMS -	Workload																	0	1.7
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Source \	Warehouse		Ċ	T. 11	Target V	Varehouse	山下に	Put-Aw	ays by	Type (Pen	ding a	nd Dela	iys)					d Te	
Whs. Code	Whs. Name	Pending	Avg	, Wait	Whs. Code	Whs. Name	Pending												Ŀ
WH_1	Warehouse 1	1	8	81	WH_1	Warehouse 1	18	Produ	uction P	ut-Away			. (	GRPO Put-A	way				
										11						7			
Source I	Location		Ċ	T. 11	Target L	ocation	쇼 🕆 😂	Pendin	g Put-A	ways								Ů ™	
Loc. Code	Loc. Name	Pending	Avg	. Wait	Loc. Code	Loc. Name	Pending	Type	Waitin	Received	GRP	Prod. *	Move Or	Item Code	SSCC	Open Qt	UoM	Supplie	r
PROD_1	Output Product	o 1		110	Unset	Unset	1 *	Producti	0 269	01-06-2021		194	20835	M-5117082-P	1234	10,00	Manual		- 1
RD_1	Receiving Dock	1 7		30	P.0114	P.0114	5	Producti	98	19-11-2021		202	21919	PRD-0001	1234	10,00	Ea		
					P.0111	P.0111	5 -	Producti	98	19-11-2021		203	21919	PRD-0001	1234	100,00	Ea		
Dut-Aur	are by Itom						da	Producti	98	19-11-2021		203	21920	PRD-0004	1234	1.000,00	Manual		
-ut-Awa	iys by Item							Producti	98	19-11-2021		204	21921	PRD-0001	1234	1.200,00	Ea		
Item Code	Item Nar	ie		Pending	Avg. Wait	Open Qty,	Committed Stock	Producti	98	19-11-2021		204	21922	PRD-0004	1234	12.000,	Manual		
M-5117082	VARIATI	R MULTIVAR	200	1	265	10,00	C	Producti	95	22-11-2021		205	21924	PRD-0001	1234.	1.200,00	Ea		
PRD-0001	Krackles	Bag of Crips		5	96	4.910,00	C	Producti	95	22-11-2021		205	21925	PRD-0004	1234	12.000,	Manual		
	Potato P	eels		5	96	49.000,00	C	Producti	94	23-11-2021		206	21928	PRD-0001	1234	1.200,00	Ea		
PRD-0004					-										1224				
PRD-0004 DBS_CG_FG	G_005 Santand	er Black		1	• 3	50,00	1.140	Producti	9 94	23-11-2021		206	21929	PHD-0004	1234	12.000,	Manual		

Through this dashboard it is also possible to access the associated picklist in Produmex WMS and change, e.g. its priority, its shipping dock, its due date, etc.

oute ID		Route Name		Pending	Avg. Dela	зу	Delay	(D	Priority	Status	Wave	Picklist *	Ship. Type	Route	Items	Qty. Do	ne (Total Q.	Vol. m	3 Weight	t Kg Og	erato	e
							٠	8	High	05	17785	17718			1	1,00 (1	,00)		0,02 1	6,00 m	nager	r
	Pick	list																	-		sger	r
cklists	Cust	omer 📫	91815														Number		17718		sge	-
om Code	Name		Audi														Status		Picked			
	Add	455	GERMANY														Priority		High	-	sger	1
52																	Storage L	oc	CD_1 20-01-22 12-			
																	Proposal		18588			
	Pick	and Pack Remarks															Wave		17785			
																	Customer	Collect?	No		-	
cklists																	Picklist Ty	pe	Standard	•	-	
where C																	Shiping II	D	18588			
our o		Item Code	Descr	iption		Barcode		Pic	ked #	Open #	То	tal Proposal	•	Total Open #		Total Varia	ince	UoM	Batch Num	ber	sger	ſ.,
1815	0	-> 262	\$5500	- SARDINE	S IN CHILL	054116814	01164	1.00	)	1.00	1.0	0		1.00		0.00		Carton	2021120013		sger	r
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		4																		F	hore	ē.

### Internal Logistics Workload Overview

Apart from the inbound and outbound logistics operations, the internal logistics operations assure that the operation of the warehouse will be able to continue supporting the inbound and outbound logistic operations smoothly.

#### Move Orders Dashboard

Move orders ensure that at all times sufficient stock is available at a pick location to fulfil the picklists of a particular day and the days to come. The move orders process can be set up in different ways:

This can be:

- Manual move orders that are entered and assigned by a warehouse supervisor or manager
- Warehouse transfers
- Replenishment operations that are automatically initiated by Produmex WMS based on parameters set in the system.

Again it is possible to drill down to each and every move order in various ways:

- By source and target warehouse and location
- By item
- By pending move orders
- By the type of move order (replenishment, manual move, warehouse transfer)

O Receipts			Put-A	ways		I SO Del	iveries			Picklist	S		Move Ord	ers		Ċ
Source Wareh	ouse	Ċ	T. 22	Target	Warehouse	山下に	Move Orde	rs by T	ype (Pe	ending an	d Delays)			c	5 % :	* *
Whs. Code Whs. I	Name	Pending Avg	. Wait	Whs. Cod	e Whs. Name	Pending										-
WH_1 Wareh	nouse 1	7 🔴	52	WH_3	Warehouse :	3 2	Replenist	nment		W	ise. Transfer		Manual	Move		
				WH_1	Warehouse :	1 5		3			2			2		
								71			37			37		님
																*
iource Locatio	on	do.	Tr 11	Target	Location	山下に	Pending M	ove Ord	ders					c	5 1. :	
oc. Code Loc. Na	me	Pending Avg. W	/ait	Loc. Code	Loc. Name	Pending	Type	Waiting (	Pende	ng Since	Move Order *	Item Code	SSCC	Open Qty.	UoM	
8.0001 RB.000	1	1 🔴	71 -	RD_3	Receiving Doc	±k3 2≛	Manual Move	•	37 19-01	1-2022 10:33	21960	DIS_CG_FG_	123456789	500,00		
PROD_1 Product	tion Rest	1 🔴	71	R.0006	R.0006	1	Manual Move	•	37 19-01	1-2022 10:37	21961	DES_CG_FG_	123456789	500,00		
P.0005 P.0005		1 🔴	37 -	P.0113	P.0113	1 *	Replenishment	•	71 16-12	2-2021 16:05	21945	DES_CG_FG_	123456789	250,00	Pieces	
Aove Orders	by Item					rh 🕆 55	Replenishment	•	71 16-12	-2021 16:05	21946	DES_FO_FG_	123456789	1.200,00	Jar	
							Replenishment	•	71 16-12	-2021 16:05	21947	PRD-0003		1,00	Sqm	
tem Code	Item Name		Pending	Avg. Wait	Open Qty.	Committed Stock	Whse. Trans	•	37 19-01	-2022 10:32	21959	DIS_CG_FG_	123456789	500,00		
PRD-0003	Crisps Wra	pping Fol	1		71 1,00	0	Whse. Trans	•	37 19-01	1-2022 10:37	21962	DIS_CG_FG_	123456789	500,00		
DES_FO_FG_002	Strawberry	rognurt	1		71 1.200,00	0										
NS CG PG 003	Ecowood P	atural Oak	3		48 1.250,00	3.760										

### **Container Management**

In the area of container management the Produmex WMS B1UP dashboard can provide a lot of information, including:

- Overview of all purchase, sales and route containers within a specific period
- Status of the containers
  - o Scheduled, shipped, arrived, ...
- The contents of the containers
  - o Products
  - o Suppliers and customers
- The average container load
- The total value of the containers by country

			1 homosoni and a second									100				
Containers	Over	view			C	5 Si	ales					Purcha	ises			
Container S	atus	₫ Тк	Shipping	Statuses	t Te	:: 1	ncidents	;	c†3	1.11	Purchased	From	₫ ┱∷	Sold To		₫ Тк
Main St. Avg.	Cont	si   Total V	Ship, Status	Avg. D Conta	i Total Va	hai	Incident	Avg. De.	Contain	Total Value	Count Avg.	D Contai.	Total V	Country Avg. I	De Contain	Total Va
Open 😑	33	2 7.352,	. A Scheduled	9 33	2 7.352,0	10 *	Pending lab.	3	3 2	7.352,00	G8 🔴	23	4 13.20 🔺	G8 🔴	95	1 502
In Transit 🔴	14	2 11.00	Shipped	9 34	2 11.000		Damaged g.	. 🔴 3:	3 1	6.000,00	BE 🔴	14	2 3.750,			
Delivered	0	1 1.000	Arrived	<b>a</b> 30	1 1.000.0	20 *					р 🔴	9	1 1.900 *	4		
Container D	tails															₫ Т
ID * Delay		Delv. Date	Container Code	Container Name	Ship. Type	Base Do	: B/L	Orig. Port	Est. Depart	Est. Arr. Po	ort Est. Arrival	Dest. Port	Act. Arr. Port	Act. Delivery  W	eight % V	olume %
3093 🔴	127	21-10-2021	CTR-1	CTR-1	Standard	SO 1526		Antwerp	16-02-2022	2	16-02-2022	Rotterdam			%0,0	%60,0
3093	86	01-12-2021	CTR-1	CTR-1	Standard	SO 1532		Antwerp	16-02-2022	2	16-02-2022	Rotterdam			%0,0	%0,0
3093	73	14-12-2021	CTR-1	CTR-1	Standard	SO 1534		Antwerp	16-02-2022	2	16-02-2022	Rotterdam			%0,0	%0,0
3090	37	19-01-2022	ZIMU1122336658	Very nice things	UPS	PO 1044		Antwerp	10-02-2022	2	17-02-2022	Kochi			960,0	%0,0
3091 🔴	30	26-01-2022	LLVBo90039398	smelly sardines	Standard	PO 1054	13589	Rotterdam	10-02-2022	2	23-02-2022	Houston		10-02-2022	%0,0	%60,0
Average Co	taine	Load (W	leight vs Max.	Weight)				C	5 1. 23	Total V	alue per C	ountry			P	山下
											-	10 A		1 7. 13		



### Planning Dashboard (Kanban)

Though the dashboards described above enables warehouse management staff to have a real-time view on various aspects of their logistics operations. The Kanban dashboard combines this in one single view

The warehouse manager or supervisor has the ability to schedule the various operations and only release tasks to the warehouse at the appropriate moment. For that however, he/she needs a reliable dashboard that backs up his decisions in this area.

In one single view he/she will see which picklist proposals exist (i.e. not released to the warehouse yet), which picklists are ready to be picked, which picklists have been picked and are ready to be packed and which picklists are ready to be shipped. At each stage the warehouse manager or supervisor, will also see the number of picklist lines (or rows). It is possible to click through to the associated Produmex documents (picklist proposals and picklist) and change their status or release a picklist proposal to a picklist.

Many customers also display part of this information on screens in their warehouse, so that warehouse operators know what has been picked and packed already and what still needs to be picked and packed. The motivational aspect of this should not be underestimated.

VMS - Open Picking Tasks			🝸 🛛
Picklist Proposals 11 cards	To Pick 13 cards	To Pack 3 cards	To Ship 5 cards
Picklist Proposal 18565 (Standard) Pending Picklist Pick for Sales Order 1549 - Rows: 2 Dime: 2022-01-19 Ref: c_3P_004 -H. Samuel Qty. in Proposal: 5.00 0%	(High) W17768 / P17702 (Standard) 03 Ready to Pick Pick for: Sale: Order: 1533 - Rows: 1 Dee: 0021-12:01 Stage at: CD_1. Ref.z C_3P_003 - Grand Seko Bou/Roje: Under Qty. Picked / Totat 0.00 (5.00) Operator: manager	(High) W17781 / P17715 (Standard) 05 Picking Completed Pick for: Sales Order 1554 - Rows: 1 Due: 2022-01-20 Stage at: 50_1. Ref=C_PH_001 - Pharmacy Thomas Qty. Packed / Totab 0.00 (5.00) Operator: manager 0%	(High) W17767 / P17701 (Standard) 09 Packed Pick for: Sales Order 1527 - Rows: 1 Due: 2021-10-21 Stage at: CD_1. Ref.c_3P_003 - Grand Selo Boulgue London Qty. Packed / Totat 1.00 (1.00) Operator: manager 100
Picklist Proposal 18566 (Standard) Pending Picklist Pick for Sales Order 1546 - Rows: 1 Due: 2022-01-19 Ref: C_3P_005 - James Bloor Ltd. Qty. in Proposal: 5.00 0%	(Normal) W17765 / P17700 (Standard) 03 Ready to Pick Pick for: Sile: Order 1532 - Rows: 1 Dee: 2021-12:01 Stage at: CD_1: Ref_2C_3P_002 - Pharma Izvoice Qty, Picked / Totak 0.00 (5.00) Operator: manager 0%	(High) W17785 / P17718 (Standard) 05 Picking Completed Pick for: Sales Order 1557 - Rows: 1 Due: 2022-01-20 Stage at: CD_1. Ref: 91815 - Aud Qty, Packed J Totate 0.00 (1.00) Operator: manager 0%	(High) W17784 / P17705 (Standard) 09 Packed Pick for: Sales Order 1536 - Rows: 2 Date: 2021-12-16 Stage at: CD. J. Ref: C_GG_002 - Customer ConsumerGood: 2, shipped by UPS Qty. Packed / Total: 10.00 (10.00) Operator: 100*
Picklist Proposal 18591 (Standard) Pending Picklist Pick for: Sales Order 1544 - Rows: 1 Due: 2022-01-19 Refs C, CG, 201 - Customer ConsumerGoods 1, stipped by VPS at 5 00	(Normal) W17769 / P17703 (Standard) 03 Ready to Pick Pick for: Siles Order 1534 - Rows: 1 Date: 2021-12-14 Stage at: CD_1. Ref.: C_3P_004 - H. Samuel Qty. Picked / Totat 0.00 (5.00)	(Normal) W17775 / P17709 (Standard) 05 Picking Completed Pick for: Sales Order 1539 - Rows: 1 Due: 2021-12-16 Stage at: CD_1. Refs C_FO_005 - Foodservice Perk Qty. Packed / Totab 0.00 (5.00)	(High) W17780 / P17714 (Standard) 09 Packed Pick for: Sales Order 1545 - Rows: 1 Due: 2022-01-19 Stage at CD_1. Ref. C_C.G_005 - Galery Artipaces, shipped by UPS Qty. Packed / Totatk 5.00 (5.00)

# Dashboard color codes and messages

In all of the dashboards color codes and messages are used to indicate the stage of the documents in the specific dashboard. Please refer to the following paragraphs for an explanation of those.

### Workload Dashboard

- PO Receipts:
  - Average delay greater than 1 day. The average delay cells are also colored in red whenever the delays are greater than 1 day
  - Average delay between 0 days and 1 day
  - Average delay of 0 days

Closed All rows related to closed documents have a gray background and gray-colored texts.

- o The "Received Qty. (Total Qty.)" column has a light green progress bar to visually indicate how much was already received
- o The "Received Qty. (Total Qty.)" becomes bold whenever the received quantities surpass the planned quantities
- Put-Aways:
  - Average waiting greater than 7 days. The average waiting cells are also colored in red whenever the waiting times are greater than 7 days
  - Average waiting between 2 days and 7 days
  - Average waiting lower than 2 days
- SO Deliveries:
  - Average delay greater than 1 day. The average delay cells are also colored in red whenever the delays are greater than 1 day
  - Average delay between 0 days and 1 day
  - Average delay of 0 days
  - Pick & Pack Sales orders already in pick & pack processes have their status set to "Pick & Pack", a yellow background, and an attention icon

- Closed All rows related to closed documents have a gray background and gray-colored texts
- o The "Delivered Qty. (Total Qty.)" column has a light green progress bar to visually indicate how much was already delivered
- o The "Delivered Qty. (Total Qty.)" becomes bold whenever the delivered quantities surpass the planned quantities.
- o The "SO Deliveries" tab interacts with the "Picklists" tab. If you want to know the picking or packing details for a specific sales order in "Pick & Pack" status, just click on the desired row and check the details under the "Picklists" tab.
- Picklists:
  - Average delay greater than 1 day. The average delay cells are also colored in red whenever the delays are greater than 1 day
  - Average delay between 0 days and 1 day
  - Average delay of 0 days
  - o The "Status" column has a dark green progress bar to visually indicate the progress of the picking, packing, and shipping process. The values range from 1 to 10
  - o The "Qty. Done (Total Qty.)" column has a light green progress bar to visually indicate how much was already picked, packed, or delivered
- Move Orders:
  - Average waiting time greater than 7 days. The average waiting cells are also colored in red whenever the waiting times are greater than 7 days
  - Average waiting time between 2 days and 7 days
  - Average waiting time lower than 2 days

### **Container Management Dashboard**

#### Containers Overview

- Average delay greater than 3 days. The average delay cells are also colored in red whenever the delays are greater than 3 days
- Average delay between 0 days and 3 days
- Average delay of 0 day
- Containers with Incidents are flagged red, making it easier to visually identify problems.
- Container weight/volume occupation from 70% to 100%. The weight % and volume % cells are also colored in green whenever the occupation ranges between 70% and 100%
- Ocntainer weight/volume occupation from 50% to 70%. The weight % and volume % cells are also colored in yellow whenever the occupation ranges between 50% and 70%
- Ocntainer weight/volume occupation below 50% or greater than 100%. The weight % and volume % cells are also colored in red whenever the occupation ranges are lower than 50% or greater than 100%
- Closed All rows related to closed containers have a gray background and gray-colored texts.
- o The "Total Value" column ("Purchased From" grid) has a gradient blue background color to highlight countries with highest purchase amounts
- o The "Total Value" column ("Sold To" grid) has a gradient green background color to highlight countries with highest sales amounts

#### Outbound Sales & Route Containers

- Average delay greater than 3 days. The average delay cells are also colored in red whenever the delays are greater than 3 days
- Average delay between 0 days and 3 days
- Average delay of 0 days
- o The "Total Value" column has a gradient green background color to highlight the highest sales amounts

#### • Inbound Purchase Containers

- Average delay greater than 3 days. The average delay cells are also colored in red whenever the delays are greater than 3 days
- Average delay between 0 days and 3 days
- Average delay of 0 days
- o The "Total Value" column has a gradient blue background color to highlight the highest purchase amounts

### **Open Picking Tasks Kanban**

- Status "01 Not Ready to Pick"
- Status "02 Part. Ready to Pick"
  Status "03 Ready to Pick"
  - Status "04 Partially Picked"
- Status "05 Picking Completed"



### Additional Produmex WMS B1UP Dashboards

The above dashboards are just a set of conceivable B1UP WMS dashboards. It depends on your requirements what information you want to capture and how you want to display it.

Further dashboards may include information such as:

- Product quality and expiry monitoring
  - o Aging report dashboard
  - o Quarantined / rejected products dashboards
- Filling degree
  - o At warehouse level
  - o At packaging line level
  - o At production line level
- Number of shipments per day
- Number of shipments by region/delivery route

- Efficiency, e.g. average picking time /quantity by operator
- Accuracy
  - o Number of sales returns by day / item group
  - o Number of cycle count differences by item / zone / operator
- Number of turnarounds by product (fast and slow movers)
- Deliveries overview: total value of delivered (outbound)
   goods vs last year
- Historic WMS transaction overview
- Quality issues per item / item group
- Average time / pick lines by Business Partner
- Average time / pick lines by item
- Etc.



### About Boyum IT Solutions

Boyum IT specializes in empowering SMEs to bring their products to life, creating sustainable and purposeful customer relationships. We care about realizing your vision for delivering meaningful experiences to your customers and are here to assist you in unlocking the full potential of your products, creating significant value for people.

For over two decades, we've been committed to this mission, assisting over 12,000 customers in more than 130 countries. With unparalleled support from our trusted network of over 600 partners, we combine global reach and local expertise to offer you the solution that is best for you.





### **Boyum IT Solutions**

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