

BEAS MANUFACTURING

2021.09

RELEASE NOTES

SEP 2021

# 2021.09 Release Notes

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**BEAS**

**MANUFACTURING**

# 2021.09 Highlights

## Production

- Work order Structure refresh: Support to active/inactive operations
- WO Structure refresh: Resource can be changed after creating a time receipt

## WMS integration

- Quality control setting by item master data
- From WMS 2021.09 the Beas I-Version is supported in receipt of batches or serial numbers.

## Customizations

- Goods Receipt PO now supports 15 User fields for customization purposes.

## WebApps

- WebApp Ext. GRPO now can display the document number and visual order (+1)

## Installation

- Automatic Client installation improvement

## Documentation

- Beas Dashboard documentation has been updated with the 2021.08 Beas documentation version to access comprehensive description of the latest Beas dashboards and the latest Calendar objects.

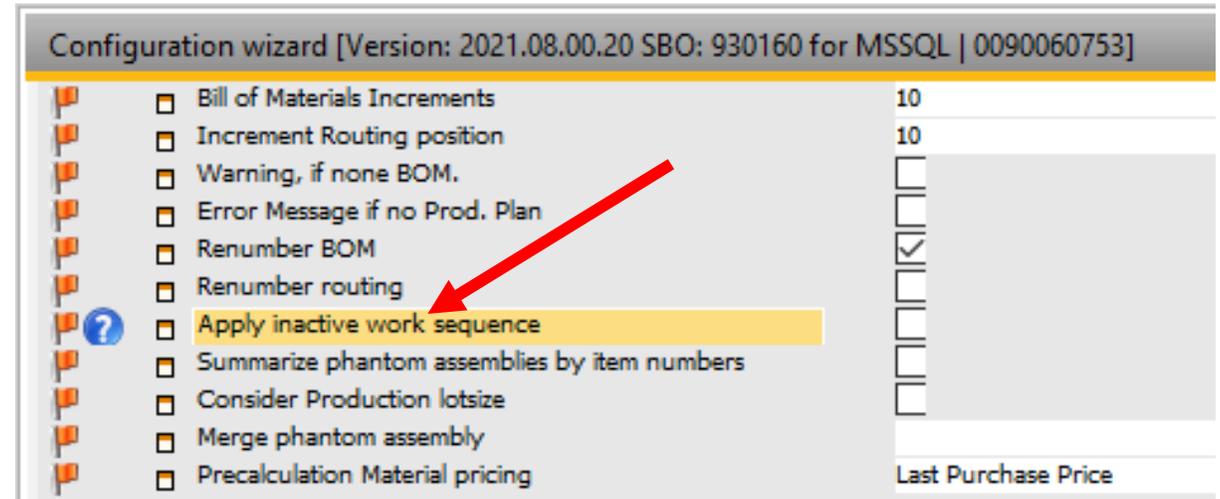
# Production

## WO Structure refresh: Control the behavior of inactive operations during the refresh process

In the Configuration wizard you can set if inactive operations should be inserted to the work order or not.

In the previous version Beas did not fully consider this option, e.g. the active/inactive state was not changed by the refresh process.

Now this has been implemented. Please check our documentation for the detailed setting scenarios of the “Apply inactive work sequence” parameter.



1. When **active**, and the operation in the WO master data is set to **inactive**:
  - a) In case of Work orders without documents (time receipt), the operation is deactivated by this setting.
  - b) In case of Work orders with documents (time receipt), the operation is closed.
2. When **inactive**, and the operation in the WO master data is set to **inactive**:
  - a) In case of Work orders without documents (time receipt), the operation is deleted by this setting.
  - b) In case of Work orders with documents (time receipt), the operation is closed.

If a previously inactive operation is activated in the WO Master Data, it will be activated in the WO, or if it does not exist in the WO, it will be inserted.

# Production

## WO Structure refresh: Resource can be changed after creating a time receipt

### NEW functionality:

In the past, an operation was not changed when a time receipt had already been created.

Now changes are applied from the master data if the operation is not closed.

Work Order Pos. 773 (1000506 / 10)

| Assembly        | Bill of Materials  | Routing | Calculation |
|-----------------|--------------------|---------|-------------|
| Position        | 10                 | Barcode | A000E2010   |
| Item            | ➔ TFS-59533-A      |         |             |
| I-Version       | ➔                  |         |             |
| Description     | Refresh with tools |         |             |
| Variant         |                    |         |             |
| Configuration   | ➔ 0                |         |             |
| Qty. to produce | 5,000000 Pcs       |         |             |

|                  |                  |
|------------------|------------------|
| Start Structure  | 03.09.2021       |
| Start date       | 06.09.2021       |
| Start Time       | 03.09.2021 10:40 |
| End              | 06.09.2021 23:59 |
| Delivery Date    | 06.09.2021       |
| Status           |                  |
| Cut-Off Quantity | 0,000000         |

| Master Data       | Extended      | Link | Parameter | Documents | Journal |
|-------------------|---------------|------|-----------|-----------|---------|
| Info              |               |      |           |           |         |
| Revision          |               |      |           |           |         |
| Bill of Materials | ➔ TFS-59533-A |      |           |           |         |
| Routing           | ➔ TFS-59533-A |      |           |           |         |
| Drawing no.       |               |      |           |           |         |
| Raw material      |               |      |           |           |         |
| Match code        |               |      |           |           |         |
| DIN               |               |      |           |           |         |
| Project           | ➔             |      |           |           |         |
| Task              | ➔ 0           |      |           |           |         |
| FHP               |               |      |           |           |         |

|                     |   |
|---------------------|---|
| Approved            | <input type="checkbox"/>                      |
| Capacity Planning   | <input checked="" type="checkbox"/>           |
| Material planning   | <input checked="" type="checkbox"/>           |
| Login to work order | <input checked="" type="checkbox"/>           |
| Material posting    | <input checked="" type="checkbox"/>           |
| Allow changes       | <input checked="" type="checkbox"/>           |
| Printed?            | <input type="checkbox"/> <input type="text"/> |
| Closed              | <input type="checkbox"/> <input type="text"/> |
| Complete            | 0,000000                                      |
| Last Message        | 06.09.2021 00:00                              |

OK Cancel **Structure refresh** Product Costing Analysis Journal of entries

*fert\_ftpos\_edit.psr*

# WMS integration

## Quality control setting by item master data

WMS now supports Quality Status for Beas receipt processes per items.

Item Master Data

Item No. Manual FP  
 Description Finished Product / Normal  
 Foreign Name  
 Item Type Items  
 Item Group Items  
 UoM Group Manual  
 Price List Price List 01

Bar Code  
 Unit Price Primary Curr

Inventory Item  
 Sales Item  
 Purchase Item

GTIN-14

General Purchasing Data Sales Data Inventory Data Planning Data Production Data Advanced Production Properties Remarks Produmex Attachments

Inventory Sales Purchase Production Catch Weight Attributes 3PL

Shelf Life Reception 0  
 Enter Reason for Purchase Return  
 Default Quality Status for Reception  
 Released Quality Status for Reception  
 Expiry Def. for Reception  
 Purchase Barcode Type GTIN

Purchase Remarks Pop-up  
 Purchase Remarks

If the WMS field "Default Quality Status For Reception" for the item is empty, Beas reads the global parameter set in the Produmex WMS Organizational structure.

Organizational Structure - Produmex WMS Add-On 2021.09.00.0005

Search

Code TEST\_192  
 Name ANPO\_WMS\_TRUNK

General Defaults Extension Parameter Production SSCC Reports Print Events Zone Types Page Sizes

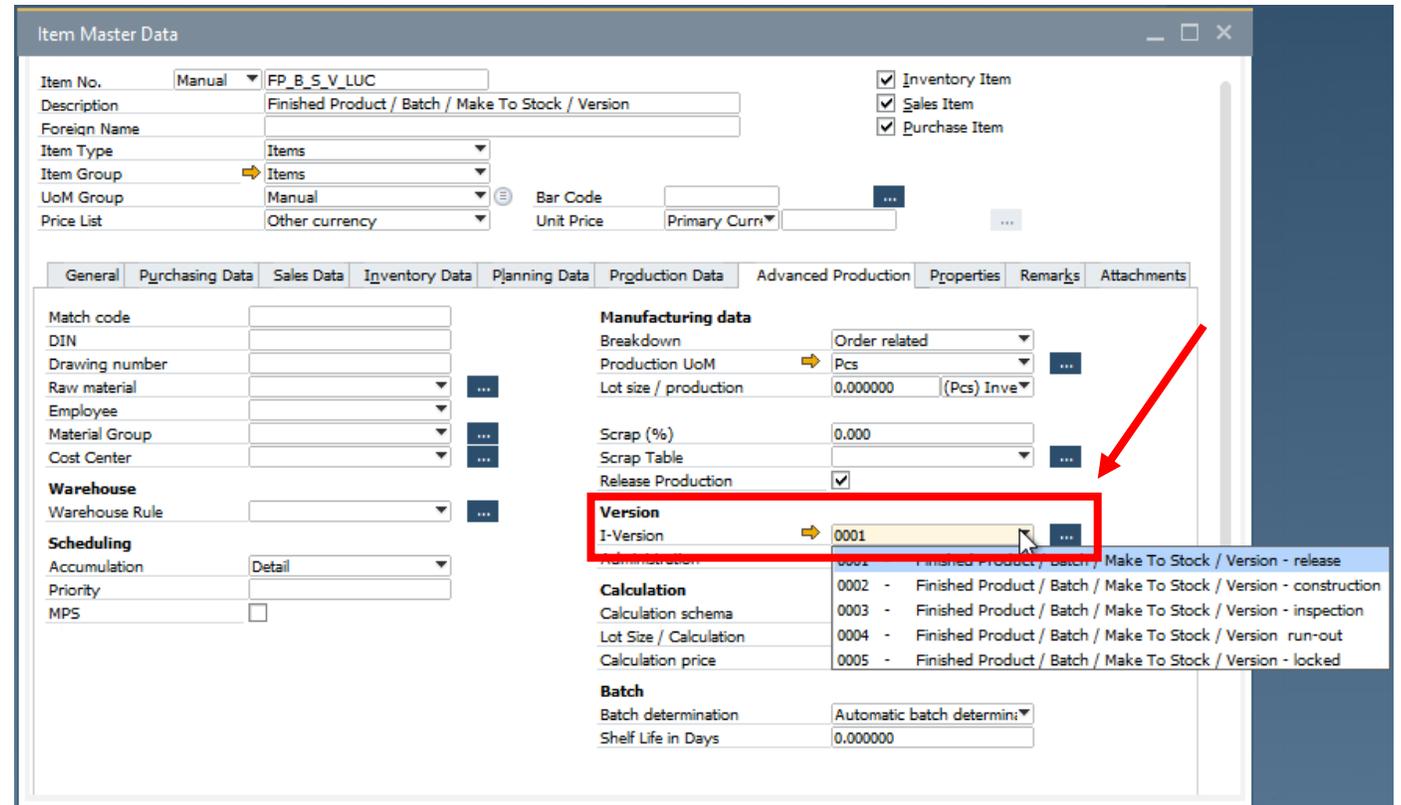
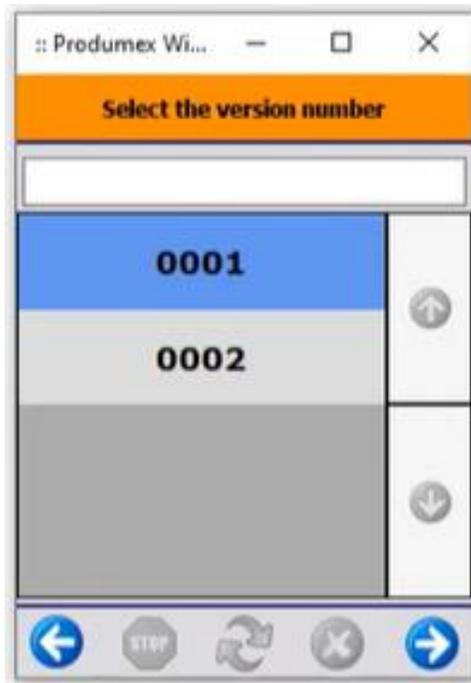
Quality Status Production Released (RELEASED)

# WMS integration

From WMS 2021.09 the Beas I-Version is supported in receipt of batches or serial numbers

Produmex WMS 2021.09 now supports Beas version-managed items in goods receipts for batches or serial numbers.

Produmex WMS 2021.09



# WMS integration

## Documentation

The Beas-WMS integration documentation has been updated and is now available on the following link:

[https://help.beascloud.com/BEAS\\_WMS\\_integration/](https://help.beascloud.com/BEAS_WMS_integration/)

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## Introduction



This documentation describes the integration between Beas Manufacturing and Produmex WMS.

The details described herein always represent the latest changes and improvements in the integration process, and therefore are updated upon each release.

To take advantage of the latest changes of integration you must install the latest releases of both products.

Download [PDF version](#) of this documentation

**Product Download Page:**

<https://download.boyum-it.com/>

**Product Documentation:**

[Beas Manufacturing Online Help](#)

[Produmex WMS Online Help](#)

| BEAS MANUFACTURING Version    | PRODUMEX WMS Version    |
|-------------------------------|-------------------------|
| BEAS Manufacturing 2021.09    | Produmex WMS 2021.09    |
| BEAS Manufacturing 2021.08    | Produmex WMS 2021.07.05 |
| BEAS Manufacturing 2021.06    | Produmex WMS 2021.03.04 |
| BEAS Manufacturing 2021.05    | Produmex WMS 2021.03.04 |
| BEAS Manufacturing 2021.03.02 | Produmex WMS 2021.03.02 |

# WebApps

WebApp Ext. GRPO now can display the document number and visual order (+1)

**NEW FUNCTIONALITY:** Display the Document Number and Visual Order (+1) instead of SAP document codes.

The screenshot displays the SAP WebApp Ext. GRPO interface for a Purchase Order. At the top, there is a navigation bar with a home icon, the text "Ext. GRPO", and a "Save" button. Below this is a "Header" tab. The main content area is titled "Purchase Order" and contains a search bar with the value "246/1". The form fields are organized into sections: "Supplier: S001", "Name: Supplier 001", "Delivery Date: 08/06/2021", and "Start Date: 20/05/2021". Below these are "Item No: Ext\_Service", "Description: External Operation", and "Warehouse: 21". The "Quantity" field is set to "10,000000 / 10,000000 Pcs" and has a trash icon. The "Scrap" field is set to "0" and is highlighted with a red border. At the bottom, there is a "Close Transaction" checkbox and a "Remarks" section.

Ext. GRPO ✓ Save

Header

Purchase Order

246/1

Supplier: S001  
Name: Supplier 001  
Delivery Date: 08/06/2021  
Start Date: 20/05/2021

Item No: Ext\_Service  
Description: External Operation  
Warehouse: 21

Quantity: 10,000000 / 10,000000 Pcs  
0

Scrap: Pcs  
0

Close Transaction

Remarks

# Customization

## Goods Receipt PO now supports 15 User fields for customization

With Beas Script or Beas usability Package it's possible to insert new fields. New fields must be linked to free, not used fields which are available in this window.

**PAST:** In the past this was userfield1-5

### NEW functionality:

Now 15 user fields are available.

The screenshot shows the 'Goods Receipt PO' window with the following fields:

- Purchase quotation: 1
- Supplier No.: S001 (Supplier 001)
- Supplier reference number: (empty)
- Item: (empty) I-Version: (empty)
- Description: (empty)
- Pur. order quantity: 0.000000
- Remaining Qty.: 0.000000
- Quantity to post in: (empty)
- Warehouse: (01) General Warehouse

Below the fields are three tabs: Contents, Logistics, and Last Goods Receipts. The 'Last Goods Receipts' tab is active, showing a table with the following data:

| # | ... | Item    | Description                | I-Version | Quantity UoM | Warehouse | Udf1 |
|---|-----|---------|----------------------------|-----------|--------------|-----------|------|
| 1 | X   | TFS-516 | Finished Product (with sei | 0005      | 2.000000     | 01        |      |

At the bottom of the window are three buttons: Goods Receipt PO, Cancel, and Line Add.

# Installation

## Automatic Client installation improvement

SAP Add-On Manager:

**BEFORE:** During automatic installation, the system always launched the x32 version of the installation also when the Client Installation was 64bit.

**NOW:** Beas executes the installer according to the client installation of the user, so if the user is in 64 bit, it calls the 64bit installer, or 32bit if it is the case.

# Documentation

## Beas Dashboards documentation

With the 2021.08 Beas documentation version, you can access a comprehensive description of the Beas dashboards.

Check the description of the different modules, tabs and all the grids showing production time information, capacity utilization, production planning and analysis, quality control, maintenance and many more.



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      - Effectiveness Overview (Hours)
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      - Overall Utilization of Resources
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### Production Profitability (Estimation)

Beas dashboards > Using the dashboards > Production Analysis > General tab > Production Profitability (Estimation)

#### Production Profitability (Estimation)

| Item Code | Item Name  | Produced Quantity | Production Costs | Avg. Unit Cost | Avg. Sales Price | Projected Sales Amount | Projected Profit Margin | Proj |
|-----------|--|-------------------|------------------|----------------|------------------|------------------------|-------------------------|------|
| SA125     | Dried Trimmed Flower_Flores Cortadas Secas                         | 430,00            | 2.386,50         | 5,55           | 170,00           | 73.100,00              | 70.713,50               | ▲    |
| PA115     | Leg Ham_Jamón de Perna_Presunto de Perna                           | 5.000,00          | 14.027,50        | 2,81           | 21,29            | 106.451,61             | 92.424,11               | ▲    |
| PA176     | Plastic Bottle_300ml_Botella Plástica 300ml_Garrafa Plástica 300ml | 1.300,00          | 352,97           | 0,27           | 1,81             | 2.347,68               | 1.994,72                | ▲    |
| PA258     | Puff Pastry Roll_10b   | 200,00            | 75,40            | 0,38           | 1,45             | 290,00                 | 214,60                  | ▲    |
| PA245     | Rolls Geotextil - 100 gr/m² - 2m x 100m                            | 300,00            | 23.352,00        | 77,84          | 230,00           | 69.000,00              | 45.648,00               | ▲    |
| L30-3061  | FLOAT SWITCH ASSEMBLY  | 10,00             | 1.170,50         | 117,05         | 300,00           | 3.000,00               | 1.829,50                | ▲    |
| PA266     | Color Masterbatch  | 8.000,00          | 74.103,07        | 9,26           | 12,97            | 103.768,89             | 29.665,82               | ▲    |
| PA261     | Chlorine Cylinder  | 400,00            | 14.506,88        | 36,27          | 42,00            | 16.800,00              | 2.293,12                | ▲    |

With this report, you can have a deeper understanding on which items are more or less profitable to produce. The report lists all items produced over the selected time range and the following calculations are performed:

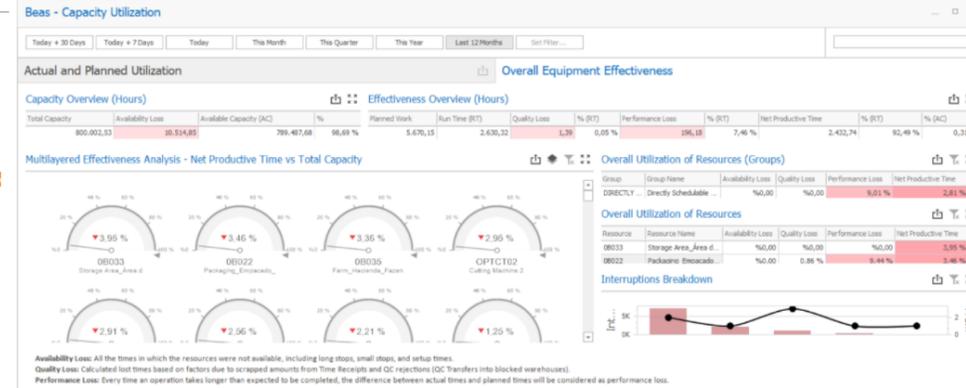
- a) **Projected Sales Amount:** Produced quantity multiplied by average sales price. This column represents the estimated revenue for selling the entire production;
- b) **Projected Profit Margin:** Projected sales amount discounted of production costs. This column represents the estimated gross profit for selling the entire production;
- c) **Projected Profit Margin (%):** Projected profit margin divided by projected sales amount. This column represents the percent of estimated profit margin for selling the entire production.

By default, four icons can be presented by this report. The icons can be customized by editing the dashboard and defining new color rules.

▲ Profit margin greater than 70%. Can indicate costing errors or undesirably high profits.

### Overall Equipment Effectiveness (OEE) Tab

Using the dashboards > Capacity Utilization > Overall Equipment Effectiveness (OEE) Tab



The Overall Equipment Effectiveness, or OEE, is a gold standard KPI for measuring manufacturing productivity, clearly indicating how effective the different resources are. The calculation of the OEE considers three losses to calculate effectiveness:

- a) **Availability Loss:** All the times in which the resources were not available, including long stops, small stops, and setup times. The availability loss is used to calculate the Available Capacity (AC), by discounting it from the Total Capacity;
- b) **Quality Loss:** Calculated lost times based on factors due to scrapped amounts from Time Receipts and QC rejections (QC Transfers into blocked warehouses). The quality loss is used, in combination to the performance loss, to calculate the Net Productive Time, by discounting it from the Run Time (RT);
- c) **Performance Loss:** Every time an operation takes longer than expected to be completed, the difference between actual times and planned times will be considered as performance loss. The performance loss is used, in combination to the quality loss, to calculate the Net Productive Time, by discounting it from the Run Time (RT).

The Overall Equipment Effectiveness tab will interact with the Actual and Planned Utilization tab, meaning that any filters or selections applied on Overall Equipment Effectiveness will also filter the data under Actual and Planned Utilization tab.

# Documentation

## B1Up Integration documentation

### New calendar object in B1UP about Beas scheduling

It is possible to filter for specific resources on the “Resource” filter and see the resource scheduling in the same formats as the complete scheduling (per day, week, or month).

Additionally, the scheduling can be transformed into a work plan when selecting the “Agenda View” option.



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      - Weekly View
      - Monthly View
      - Agenda View
      - Using the Calendar to Monitor Production Execution

### Production Scheduling Calendar

Beas dashboards > Using the dashboards > Production Scheduling Calendar

The Production Scheduling Calendar is a tool built for many purposes around production scheduling. For example, right when opening the calendar, there is a list of all resources that are

Production Scheduling

febrero 2021

| DO | LU | MA | MI | JU | VI | SÁ |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 |    |    |    |    |

23 de febrero de 2021

martes, 23 de febrero

From 13 de ago. de 19

Broken Interruption for Resource ALTO0148-01 To 1 de ene. de 50

From 6 de jul. de 20

[ENERGUE] WO 329010Customer Requirements / Demanda del Cliente en Resource personal personal

From 16 de jul. de 20

[ENERGUE] WO 329010Project Specification / Especificación de un Resource personal personal

From 30 de jul. de 20

[ENERGUE] WO 329010Prototype Design / Diseño del Prototipo en Resource personal personal

From 13 de ago. de 20

[ENERGUE] WO 329010Sales Quotation / Oferta de Ventas / Cot en Resource personal personal

From 19 de ago. de 20

[ENERGUE] WO 329010Approval / Aprobación / Aprobación en Resource personal personal

From 19 de ago. de 20

[ENERGUE] WO 329010WO Creation / Creación de OT / Creación de un Resource personal personal

From 11 de sep. de 20

[ENERGUE] WO 311210External Operation - Thermal Treatment en Resource EXT External Resource

From 11 de sep. de 20

[ENERGUE] WO 307610Project Specification / Especificación de un Resource personal personal

From 13 de sep. de 20

[ENERGUE] WO 300210Cutting 2 / Corteado 2 en Resource 08002 Cutting\_Carbidos

From 13 de sep. de 20

[ENERGUE] WO 300210Cutting 1 / Corteado 1 en Resource 08002 Cutting\_Carbidos

Right after it, the calendar, working in the same way as an Outlook calendar, can detail the scheduling per hours of a day, per week or per month. If there is any operation overdue at the

It is possible to filter for specific resources on the “Resource” filter and see the resource scheduling in the same formats as the complete scheduling (per day, week, or month). Additionally,

**Dashboard sections:**

**Daily View**

**Weekly View**

**Monthly View**

**Agenda View**

**Using the Calendar to Monitor Production Execution**

Help URL: [https://help.beascloud.com/beas202108/index.html?production\\_scheduling\\_calendar.htm](https://help.beascloud.com/beas202108/index.html?production_scheduling_calendar.htm)

# Documentation

## Beas Dashboards

### New Maintenance calendar object

The Maintenance Calendar is a tool that gives you complete visibility over the company's maintenance orders, highlighting each order according to its current status.

- Same as Outlook calendar – detail maintenance orders per hours/days/weeks/months

Check details in our documentation!



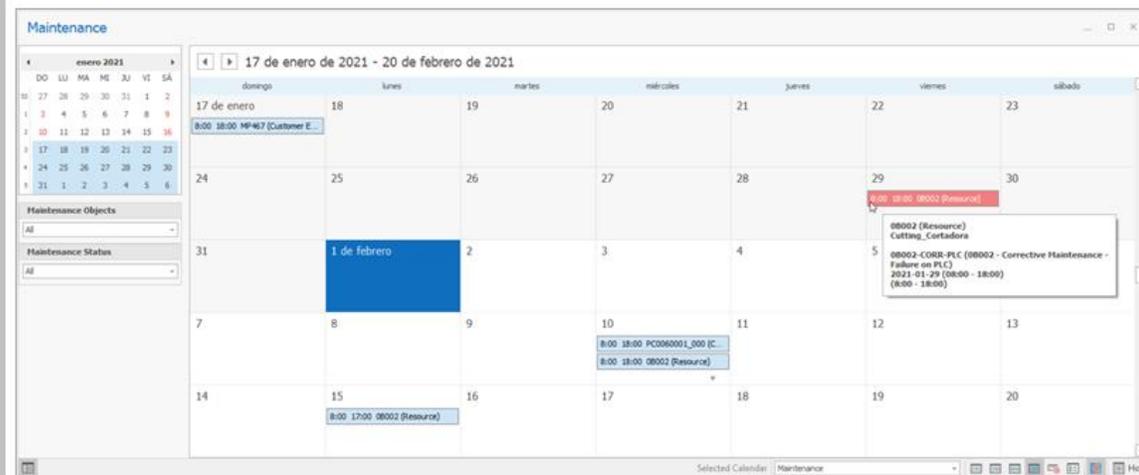
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## Maintenance Calendar

Beas dashboards > Using the dashboards > Maintenance Calendar

The Maintenance Calendar is a tool that gives you complete visibility over the company's maintenance orders, highlighting each order according to its current status.



The calendar, working in the same way as an Outlook calendar, can detail the maintenance orders per hours of a day, per week or per month. The closed maintenance orders are shown in grey, while the open maintenance orders will be displayed in red, alerting of their importance.

It is possible to filter for specific equipment on the "Maintenance Objects" filter and for specific statuses on the "Maintenance Status" filter.

### Dashboard sections:

**Daily View**

**Weekly View**

**Monthly View**

**Agenda View**

Help URL: [https://help.beascloud.com/beas202108/index.html?maintenance\\_calendar.htm](https://help.beascloud.com/beas202108/index.html?maintenance_calendar.htm)

# Read **before install**

Beas is increasing the control at **the terminal license** to align with the correct terminal license definition. In the previous releases, the licensing check system did not verify correctly the running terminals against the licenses sales model in place for Beas for more than 10 years. **See** our documentation: [http://www.beascloud.net/docs/help/online\\_eng/index.html?terminallicense.htm](http://www.beascloud.net/docs/help/online_eng/index.html?terminallicense.htm)



**Terminal licenses are managed by concurrence of users:** it is recommended that webapps users logout, since it frees the license for another user to use it, instead of just closing the browser, in which case the license remains in use for a few more minutes.

It is recommended that shopfloor terminals have terminal licenses assigned by workstation, thus ensuring the availability of licenses in these terminals. For question and answer about terminal license, please see :<https://support.boyum-it.com/hc/en-us/articles/360018756418>

Make sure to assign only the apps that the user really uses for each personnel in the authorization group, because for every login all terminal licenses related to the user's authorization will remain in use during his session.

Please consider when a concurrent license is not available, it will be displayed as gray when the user logs in. Before this was not visible.

**The Work order refresh** button was disabled by default since version 2021.03 If the customer uses this functionality, it can be activated in the Configuration wizard.

# Your **voice** matters

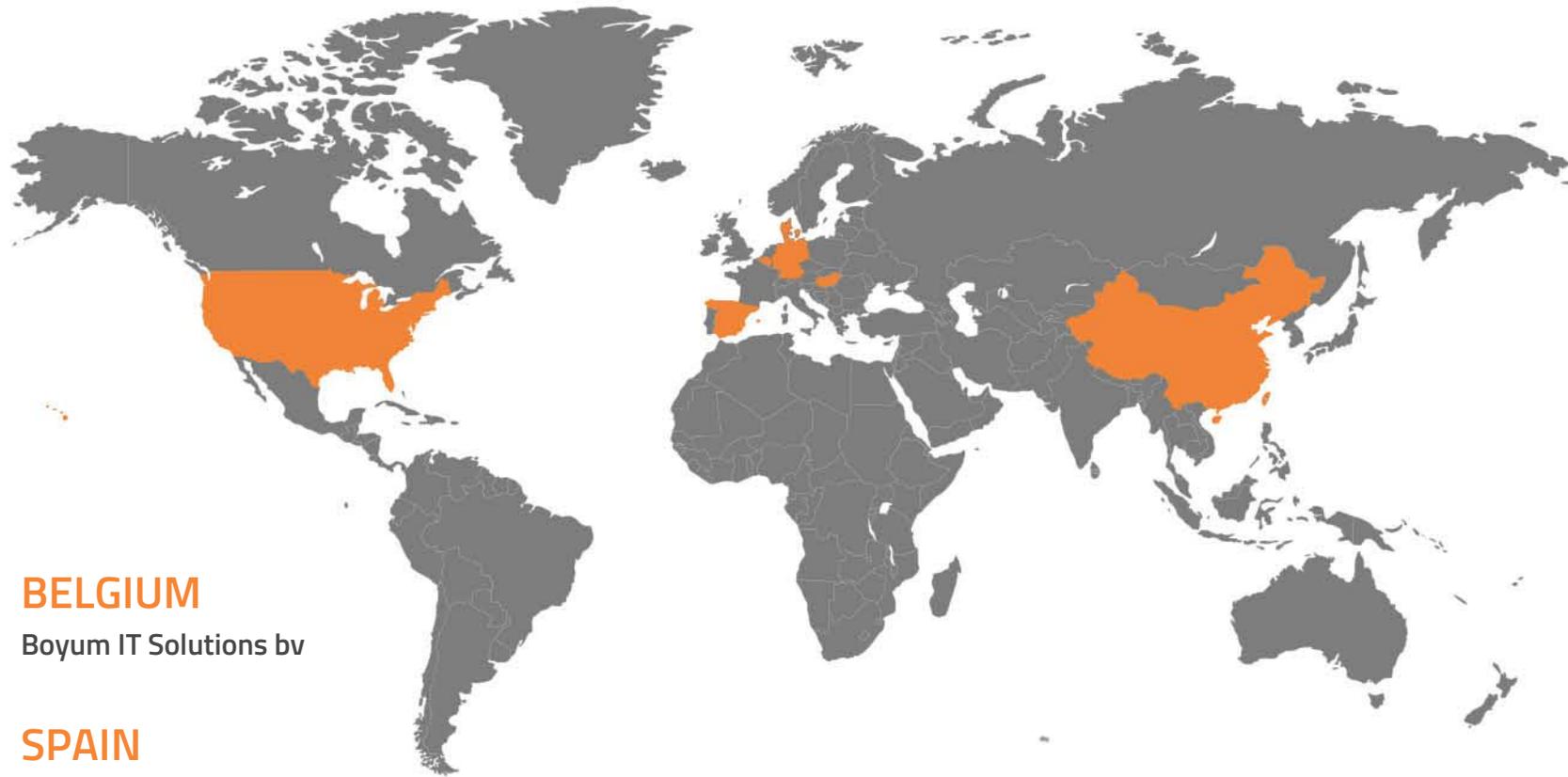
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