ABS Laundry Business Solutions

RELEASE NOTES

ABSSolute v9.07.00

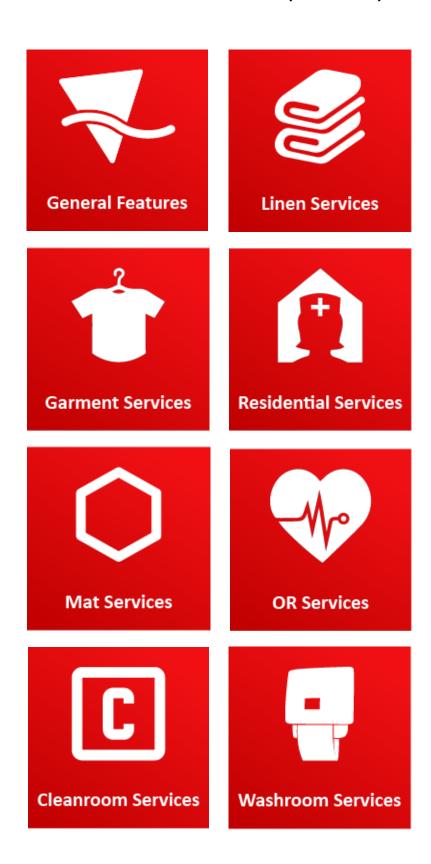ABS Laundry Business Solutions

Introduction

Version

Version	Status	Date	By	Changes
0.1	DRAFT	FEB 2023	TVS	DRAFT version
0.2	DRAFT	FEB 2023	TVS	DRAFT version
1.0	Final	MAR 2023	RHE	FINAL version

Contents

CONTENT PER BUSINESS LINE (SHORTCUT)

General Features

Linen Services

Garment Services

Residential Services

Mat Services

OR Services

Cleanroom Services

Washroom Services

1   GENERAL FEATURES

This section contains the main general improvements to ABS*Solute* that cannot be grouped under one specific business line.

1.1   Purchase order: Show the supplier delivery note number per received purchase order row

ABS NUMBER	ABS-144618
PURPOSE	Add the Supplier DN number that can be entered when receiving PO's to the grid of the received quantities
AFFECTED DIALOGUES	Purchase order
SYSTEM SETTINGS	SUPPLDELNOENTRYRECEIVEPO
MODULES	Stockroom management
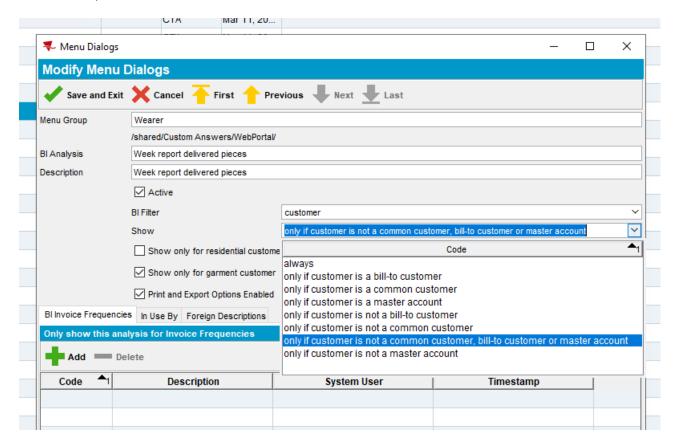
With the system setting you can activate a reference field to be used when receiving items from a PO. Until now this field was not shown in the history of received items per purchase row but now it has been added and called 'Supplier DN':

1.2   Web portal: New filter to show BI analysis

ABS NUMBER	ABS-124665
PURPOSE	Filter on 'single' customer
AFFECTED DIALOGUES	-
SYSTEM SETTINGS	-
MODULES	WEBPORTAL

When adding a BI analysis in the web menu, there where already some filters to show a BI analysis depending on the 'type' of customer. A new option is added to show an analysis only when a customer is not common, master or billto

1.3   New option to receive information about packed stacks from Inwatec Greit

ABS NUMBER	ABS-136085
PURPOSE	Instead of validating the packed notes against their Gross Weight, the interface with Inwatec is now able to receive information about which products and amount of stacks were packed.
AFFECTED DIALOG.UES	Interface
SYSTEM SETTINGS	-
MODULES	Inwatec Clean Packing

We continue to work tightly together with the laundry automation innovator; Inwatec, to expand the options within our mutual interface for their Greit machine, a machine which offers buffer- and packing of clean stacks of flat linen.

With this change ABSSolute can now validate that a certain note was packed with the correct content, either based on a gross weight of the container or via information from the machine about how many actual stacks it was able to pack.

If a deviation is identified by ABSSolute, the note will be marked for further manual check, and left in a status 'In Progress'.

AUTOMATIC ROUTE COMMISSIONING

The second configuration of the stack storage supports a higher product variety as it enables automated route packing. This automatic route commissioning system receives information about all planned tours from the laundry system. To then initiate packing a specific tour, the crane only loads the respectively needed tyoe and quantity of the product stacks onto conveyor belts. Those conveyor belts transport the stacks to packing stations where one or more operators can pack and prepare the customer's trolleys.

Picture and text from INWATEC.DK

https://www.youtube.com/watch?v=RrhX_GzYXk0

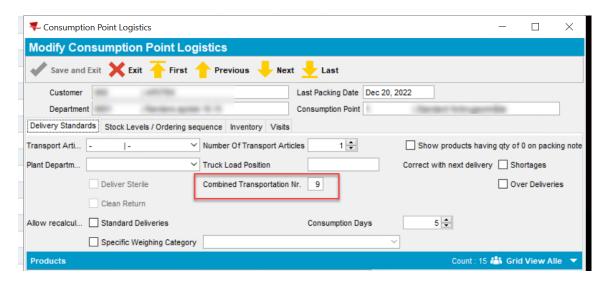### 1.4   Inwatec GREIT interface – Allow combined packing of smaller departments

ABS NUMBER	ABS-135106
PURPOSE	If the customer has relative small departments/consumption points, but the laundry delivers in large containers, it is possible to indicate in the interface to GREIT that certain notes should be packed together in the same container.
AFFECTED DIALOGUES	-
SYSTEM SETTINGS	-
MODULES	InwatecCleanPacking

We have made a standard existing functionality from ABSSolute available in the interface with the Inwatec GREIT machine, which can be used for automated buffering and packing of clean linen stacks.

This allows the laundry to co-pack multiple notes, if the departments/consumption points of the customer are either small and/or maybe located physically close to each other.

Once the machine sees that this field is filled, it will make sure to send the notes from the same customer with similar numbers to a single packing station, and visually indicate to the operator that the next stacks will share the container with other notes.

The field is maintained here:

1.5   Route Status Control: Improved visibility of the truck capacity

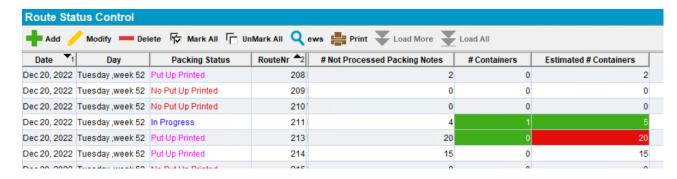| ABS NUMBER	ABS-135104
PURPOSE	Before the packing has even begun, it will now be possible to evaluate if there will be too many containers for the trucks capacity
AFFECTED DIALOGUES	Route Status Control
SYSTEM SETTINGS	-
MODULES	Load Optimizer

When your laundry has the functionality to generate individual packing notes for each container that should be packed (Load Optimizer), two new extra columns will become visible to the users of Route Status Control.

Since the load optimizer will distribute larger customer orders over multiple containers, which each will have their own packing note, it is now possible to add the column "# Not Processed Packing Notes", which displays the sum of the packing notes linked to the route that are not packed yet.

The column "# Containers" was existing already, and is available when the laundry works with uniquely identified containers, and shows the sum of containers linked to packing notes of this route.

And finally there is the second new column "Estimated # Containers" which is a summary of the two previous columns. It is comparing its value with the trucks capacity, if value is under the field is Green, and if it is over the capacity the field shows in Red.

We hope that this will help laundries adress a capacity problem even before packing has been done.

Date	Day	Packing Status	RouteNr	# Not Processed Packing Notes	# Containers	Estimated # Containers
Dec 20, 2022	Tuesday ,week 52	Put Up Printed	208	2	0	2
Dec 20, 2022	Tuesday ,week 52	No Put Up Printed	209	0	0	0
Dec 20, 2022	Tuesday ,week 52	No Put Up Printed	210	0	0	0
Dec 20, 2022	Tuesday ,week 52	In Progress	211	4	1	5
Dec 20, 2022	Tuesday ,week 52	Put Up Printed	213	20	0	20
Dec 20, 2022	Tuesday ,week 52	Put Up Printed	214	15	0	15

1.6   Route Status Control: Update deadline of Packing Notes after changing route deadline

ABS NUMBER	ABS-136078
PURPOSE	If the route gets a new deadline, the packing notes associated to it will also have theirs updated, the same applies if a note is moved from route A to B, it will inherit the deadline of route B.
AFFECTED DIALOGUES	Route Status Control Delivery Note
SYSTEM SETTINGS	-
MODULES	-

With laundries implementing more and more automations and robotics, the need for keeping the deadlines up to date becomes more and more important.

We are therefore happy to announce that the deadline of the packing notes will now be updated, if they are linked to a route which gets a new deadline too.

Even if you move a note from one route to another, the notes that were moved will inherit the deadline of their new route.

This functionality is especially useful for the new interface we have with the Inwatec GREIT linen buffer and packing machine, which will automate the picking and packing of clean linen in stacks. But this change ticket is implemented as a standard change.

AUTOMATIC ROUTE COMMISSIONING

The second configuration of the stack storage supports a higher product variety as it enables automated route packing. This automatic route commissioning system receives information about all planned tours from the laundry system. To then initiate packing a specific tour, the crane only loads the respectively needed tyoe and quantity of the product stacks onto conveyor belts. Those conveyor belts transport the stacks to packing stations where one or more operators can pack and prepare the customer's trolleys.
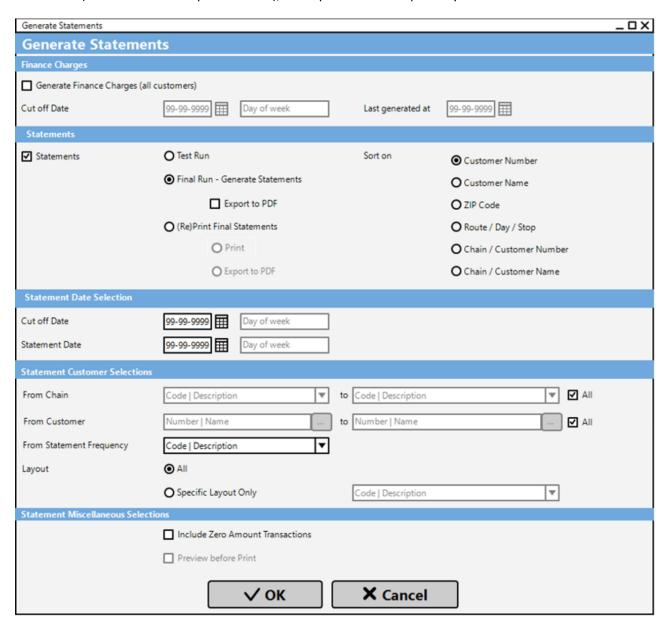
Picture and text from INWATEC.DK

https://www.youtube.com/watch?v=RrhX_GzYXk0

1.7 Generate Statements: Option to only generate statement and export statement in PDF

ABS NUMBER	ABS-135464
PURPOSE	Options for statement generation are added. Some processes are now separated, for instance to run statement generation process only.
AFFECTED DIALOGUES	Generate Statement
SYSTEM SETTINGS	
MODULES	

This development is to add a new functionality to give options to only generate statement data and to export statement in PDF on Generate Statement dialog separately.

When a user select 'Final Run', only statement generation process runs. When a user selects Reprint Statement (either 'Print' or 'Export to 'PDF'), each process runs separately.

1.8 Audit trail: Show log-on and log-off events of system users

ABS NUMBER	ABS-131630
PURPOSE	To store System Administrator ABSSolute ser log out data in the database for audit purpose
AFFECTED DIALOGUES	System User
SYSTEM SETTINGS	
MODULES	

This functionality is to be able to track and trace system user (system administrator) login and logout. Currently System User login data are available, but logout data are not available. In order to realize their request, system user functionality is enhanced.

For this purpose, LOGGINGSYSTEMUSER table is created.

```
SYSTEMUSER_ID NUMBER NOT NULL,
USERNAME VARCHAR2(20) NOT NULL,
LASTLOGINTIMESTAMP DATE NULL,
LASTLOGOUTTIMESTAMP DATE NULL,
TIMESTAMP DATE NOT NULL);
```
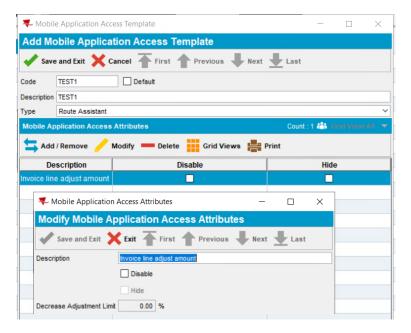
Since this table does not store historical data, an audit table needs to be used to store historical data via database trigger.

1.9 Mobile Application Access Template Extensions

ABS NUMBER	ABS-139283
PURPOSE	Extend the MAAT functionality with attribute for invoice adjustment amount
AFFECTED DIALOGUES	Mobile Application Access Template
SYSTEM SETTINGS	-
MODULES	Mobile Application Access Templates

The Mobile Application Access Template functionality has been extended to include an additional attribute, to allow the laundry more granular control over the functionality of the Route Assistant.

This attribute is called Invoice Line Adjust Amount:

Using this attribute, the laundry is able to restrict invoice line adjustments on the Route Assistant to only be entered as a quantity of items on the invoice line, and not a dollar amount independent of a quantity.

This is useful for laundries which allow their drivers to make direct invoice adjustments while on route, but wish to limit these adjustments to prevent errors or accidental credits of large dollar amounts.

2   LINEN SERVICES

This section contains the main linen specific improvements to ABS*Solute*.

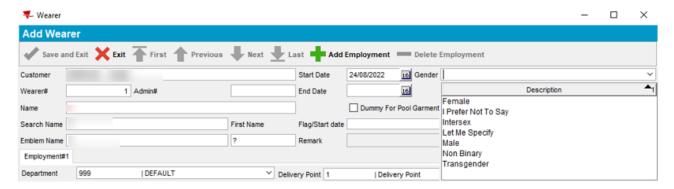### 2.1   No changes to Linen services in this release

3   GARMENT SERVICES

This section contains the main garments specific improvements to ABS*Solute*.

3.1   Wearers: Enhanced options for gender choice

ABS NUMBER	ABS-126551
PURPOSE	To ensure the fair treatment of LGBTQI persons, regardless of gender or sex. Choose from multiple options in the "wearer" dialog and or provide your explanation if needed.
AFFECTED DIALOGUES	Wearer
SYSTEM SETTINGS	-
MODULES	BKLBasis

The dialog wearer has been modified to have now a multiple gender option. It is even possible to provide a specification.

The specification is only possible when the gender "Let me specify" is chosen; a text field will be mandatory and editable where the specification can be made.

For filtering with the grid views, you need to use the following values for the gender field:

M = Male
F = Female
X = Non-binary
T = Transgender
I = Intersex
S = Let me specify
U = I prefer not to say

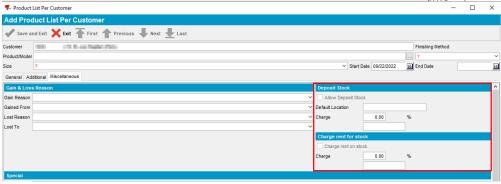For "let me specify," the specification entered in the text box will then be shown.

3.2   Allow usage of modules RENTONSTOCK and DEPOSITSTOCK at the same time

ABS NUMBER	ABS-107083
PURPOSE	With the order it's made possible to use both modules at the same time. Previously this was an OR/OR option whereas now this is AND/OR
AFFECTED DIALOGUES	Product list per customer(PLPC) / Customer
SYSTEM SETTINGS	-
MODULES	RENTONSTOCK, DEPOSITSTOCK

Both modules and its functionalties can now work together and next to eachother, when both modules are in the license of the plant.
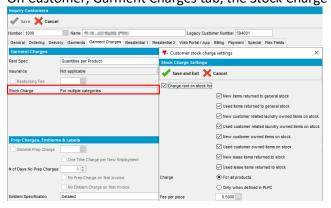
When both modules are present than:
On PLPC there's a section for both Deposit Stock and Charge rent for stock

On customer, garments tab, the Allowed Deposit stock option is available

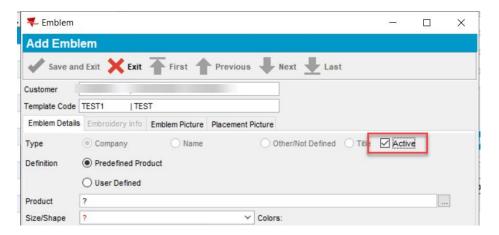On Customer, Garment Charges tab, the Stock Charge option is available

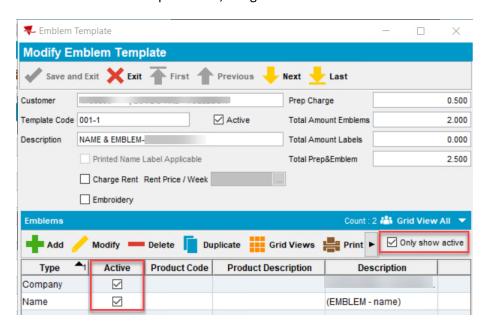### 3.3 Emblem Template Line: option to inactive emblem lines

ABS NUMBER	ABS-139000
PURPOSE	Allow management of emblem templates at the individual line level
AFFECTED DIALOGUES	Emblem Template
SYSTEM SETTINGS	N/A
MODULES	N/A

When working with Emblem Templates, laundries have cases where an individual emblem template line needs to be inactivated so it is no longer used for new work orders with that emblem template attached.

A new checkbox at emblem template line has been added to allow for inactivating a line individually if needed:

And at the emblem template level, the grid has been enhanced to show whether a line is active or not:

When inactivating an emblem template line, current work orders in progress and current wearer inventory is not impacted – only work orders with the emblem template which are generated after the line is inactivated contain the updated line information.

4   RESIDENTIAL SERVICES

This section contains the main Residential improvements to ABS*Solute*.

4.1   No changes to residential services in this release

5   MAT SERVICES

This section contains the main Mat Services improvements to ABS*Solute*.

5.1   No changes to mat services in this release

6   OPERATING ROOM SERVICES

This section contains the main OR Services improvements to ABS*Solute*.

6.1   No changes to OR services in this release

7   CLEANROOM SERVICES

This section contains the main Cleanroom improvements to ABS*Solute*.

7.1   No changes to cleanroom services in this release

8   WASHROOM SERVICES

This section contains the main Washroom Services improvements to ABS*Solute*.

8.1   No changes to washroom services in this release

9   Facility services

This section contains the main Facility Services improvements to ABS*Solute*.

9.1   No changes to facility services in this release