LYNQ

LYNQ 2019 R1 What's New

Contents

From the Team

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What an exciting and busy time we've had since the release of LYNQ 2016 R2. The team are very proud to have worked on the LYNQ 2019 R1 release and we are looking forward to seeing the customer experience team roll this software out to existing and new customers.

The headline features have been for me the official release of Factory Automation. What a great project to be part of and how critical is this functionality in our era of Industry 4. Whether you are a small, medium or a large sized manufacturer, our solution provides everything you need to digitise your factory. We've included in this release a Factory Automation Guide to explain how we recognise automation in LYNQ. We are here and ready to provide you with a demonstration of this functionality, if you are interested in this feature. Click here to book a demonstration.

Another headline feature in the 2019 R1 release is the ability to see a monentary value of loss in the Loss Management report for your factory. I believe your management teams will really appreciate this effective enhancement.

For supervisors we've made the ability to perform events much easier than before. Events are no longer scheduled events but actions. Actions can be scheduled or run manually from various screens in LYNQ. Turning off all equipment or clocking all users out can now be completed in 2 mouse clicks! What an improvement on the older versions of LYNQ.

I cannot comment on all changes but hopefully this gives you a glimse of what there is to come.

Enough said from me……….

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What's New in 2019 R1

Post Release
Search the Knowledgebase for recommended hotfixes for 2019 R1 that should be applied since the initial release of 2019 was published. This document will not be updated after its published date
support.lynqmes.com

This document provides an explanation of the new and enhanced features in LYNQ 2019 R1.

LYNQ 2019 R1 comprises of these component build numbers:

- LYNQ aps version 10.0
- LYNQ mom version 4.0
- LYNQ api version 6.0

Customers with a current maintenance agreement may upgrade to this release. Considering this is a major software release it is recommended that LYNQ or your partner assist you with your upgrade.

If your software is supported by LYNQ directly, you may use the following links to schedule your upgrade. Alternatively, contact your partner.

Customer on builds **less than**:

- APS version 9.16
- Smart Manager 3.17

https://support.lynqmes.com/en-US/book-a-discovery/

Customer on builds **equal to or greater than:**

- APS version 9.16
- Smart Manager 3.17

https://support.lynqmes.com/en-US/book-a-major-upgrade-without-services/

Enhancements in LYNQ aps

If you've been keeping your software up to date you will have noticed a number of minor improvements released in hotfix builds over the past year or two for LYNQ aps.

LYNQ have continued to enhance the product during this time and a rollup of all these changes are incorporated into 2019 R1. Please review the recommended hotfixes for 2016 R2 and 2016 R2 SP1 for a full list of changes. Between 2016 R2 SP1 and 2019 R1 there have been a few minor software changes in LYNQ aps which are documented in this guide.

Enhanced Closed Job Visibility

Customisations
Please contact LYNQ if you are unsure whether your software is customised. We can assist you and apply these when the software is upgraded

Closed jobs that were closed less than 1 month ago can now be seen in APS.

Note: This enhancement amends the following SQL Views:

- Lynq_VP_SourceProductionMaterialsView
- Lynq_VP_SourceProductionOrdersView

Where can I see the change?

Menu	Sub Menu	Ref No.
Visual APS	File/Company/Job Import Rules	WEB-1616
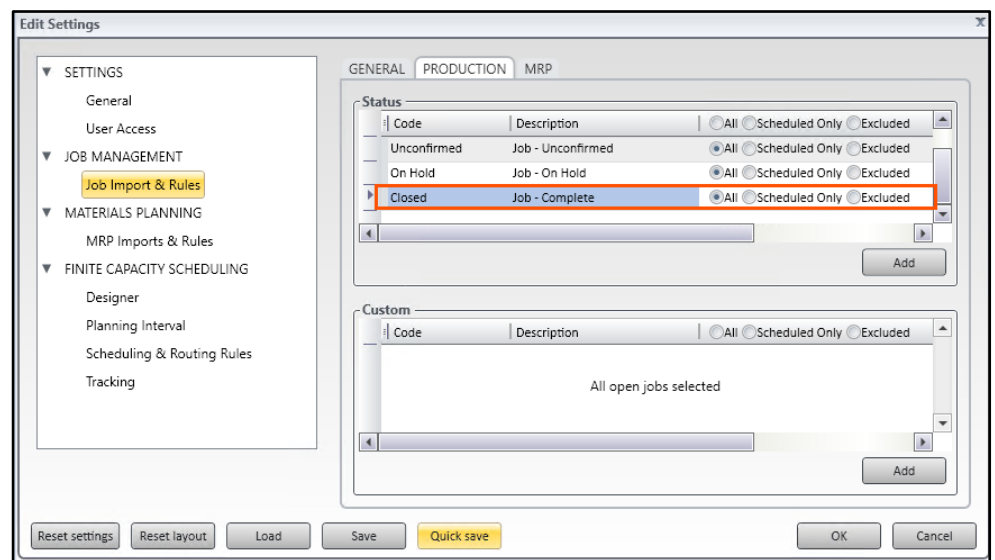
Enhanced Task Panel Filtering

User Specific

Settings in LYNQ aps are user specific. The settings are stored in your Windows profile. Changes made in this screen will only affect your account.

Added ability to filter data import by Warehouse, Planner, Job Classification, Product Classification and 3 user defined fields. Filtering can also be applied on Production Order and MRP orders data sets. Every property should hold comma separated values: i.e. Product Class : Include: (class1, class2, class3)

Where can I see the change?

Menu	Sub Menu	Ref No.
Visual APS	Settings/Job Import Rules	WEB-1616
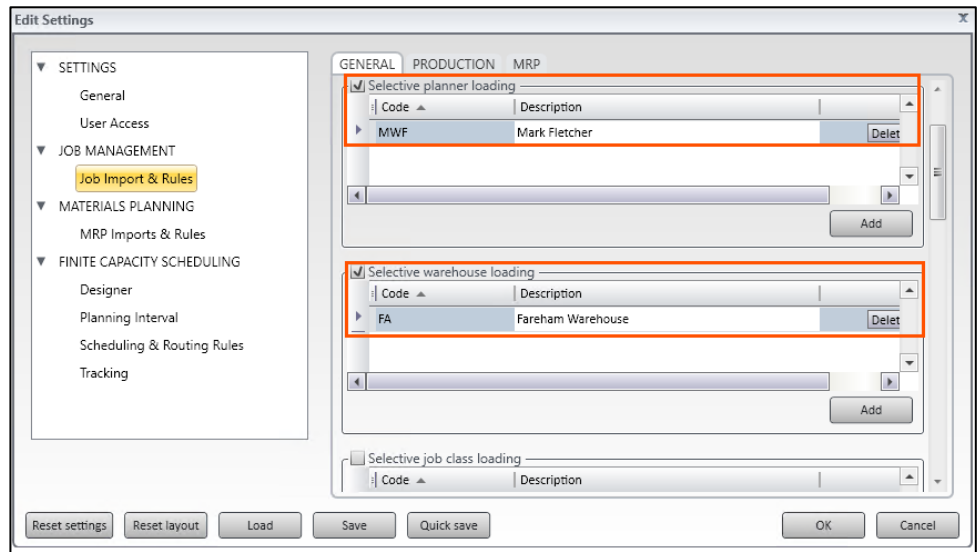
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Enhancements in LYNQ mom

If you've been keeping your software up to date you will have noticed a number of minor improvements released in hotfix builds over the past year or two for LYNQ mom.

LYNQ have continued to enhance the product during this time and a rollup of all these changes are incorporated into 2019 R1. Please review the recommended hotfixes for 2016 R2 and 2016 R2 SP1 for a full list of changes. Between 2016 R2 SP1 and 2019 R1 there has been several software changes in LYNQ mom which are documented in this guide.

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Discontinued Support for IE Browser

Please check

Unfortunately we cannot continue to support this old browser. Please be aware of this if you are an Internet Explorer user before upgrading the software

Support for all versions of Internet Explorer has been discontinued and the application will prevent you loading the mom site when opened in the Internet Explorer browser. The application is only supported with later versions of Chrome, Edge or Safari.

Where can I see the change?

Menu	Sub Menu	Ref No.
N/A	All Web pages	WEB-1707

New System Requirements Warning

Message from webpage

Your Internet browser is not supported. Upgrade to the latest version of Google Chrome, Microsoft Edge or Apple Safari. Check System Requirements help article for information about supported browsers.

OK
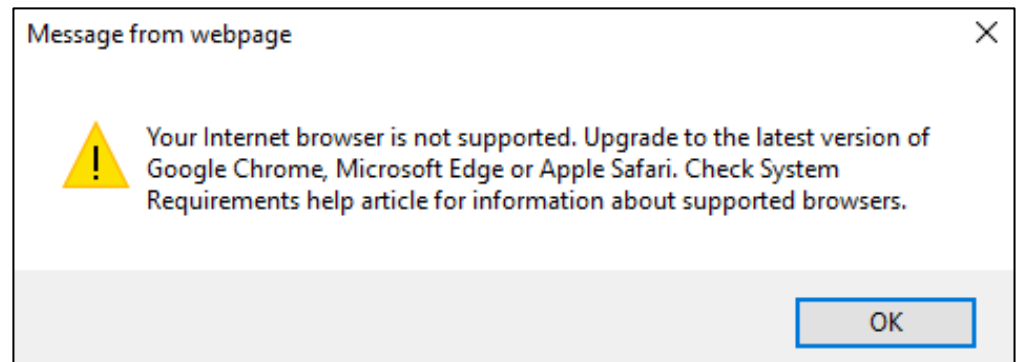
UI alignment with IEC62264

Classic View

Support for the classic view has been removed. The structure of the menu now aligns better with your operational flow.

The menu structure has received a major overhaul and now aligns to International Standard IEC62264 and to LYNQ's new improved brand.

Source: IEC62264-3 Generic activity model of manufacturing operations management
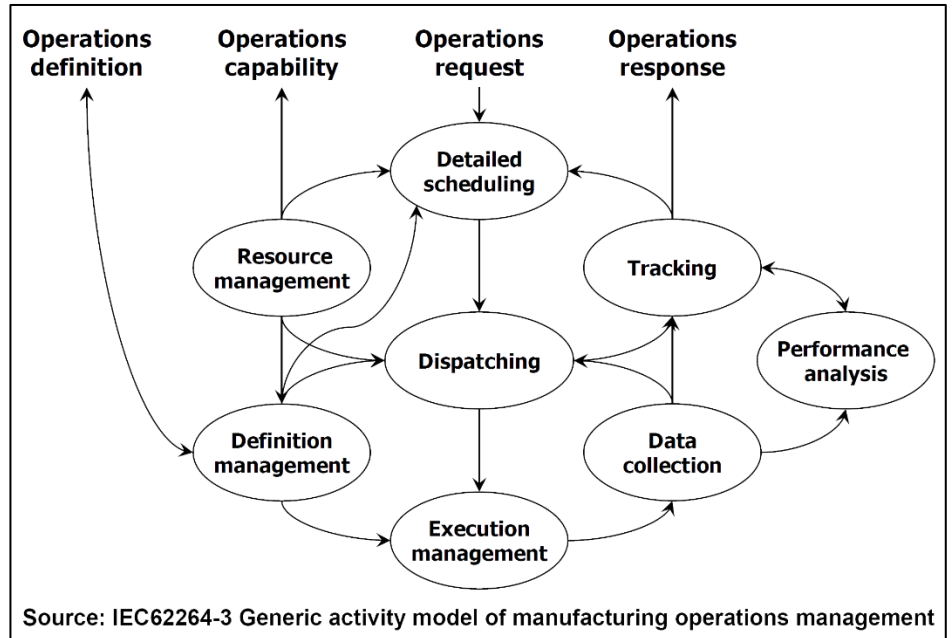
Where can I see the change?

Menu	Sub Menu	Ref No.
Home Menu	All Sub Menus	WEB-1616

New improved navigation
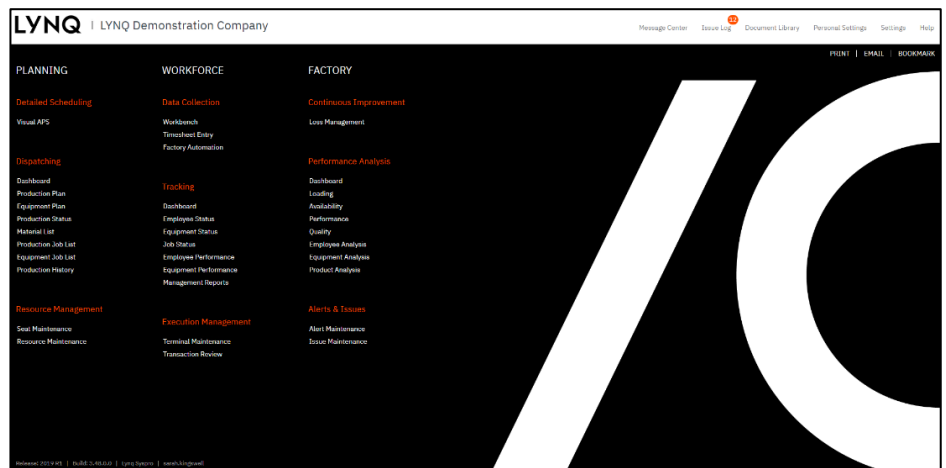
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New Factory Automation Feature

Factory Automation is a new feature which is visible in the application only once you have Automated Device Licenses applied. Click here to download the 25 page Factory Automation Feature Guide.

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Factory Automation	WEB1015
Planning	Seat Maintenance/Automation	
Settings	System Insights/Events	

New menu option for Factory Automation
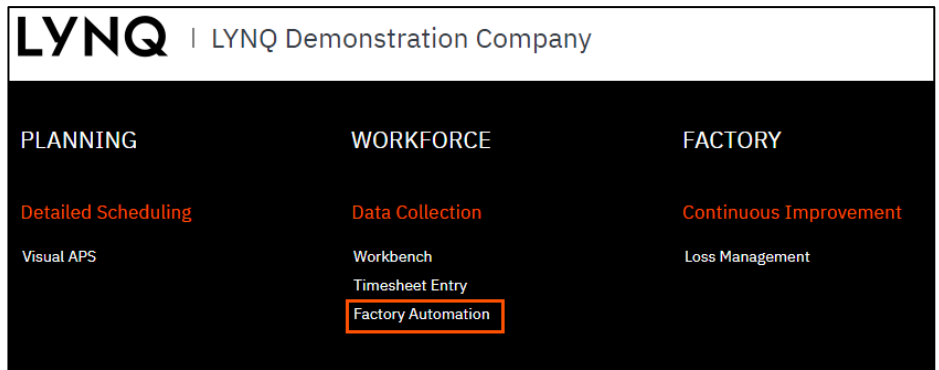
New Factory Automation Settings in Equipment Maintenance
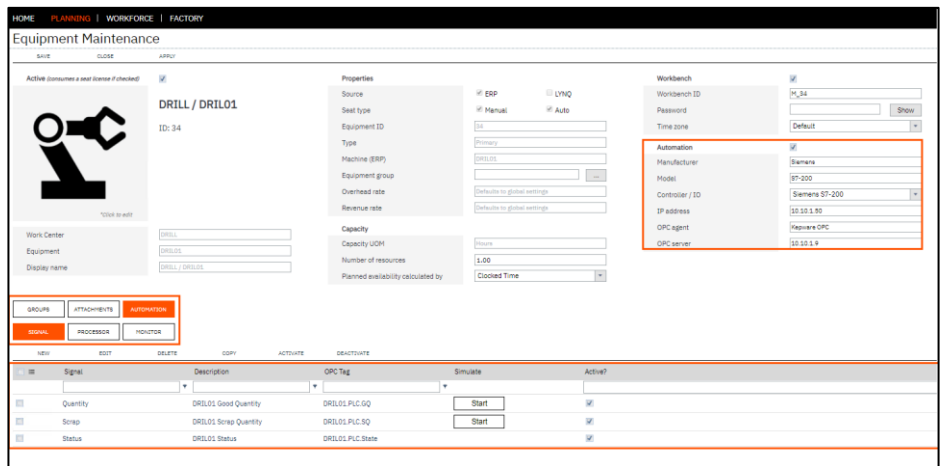
New System Insights Events Tab
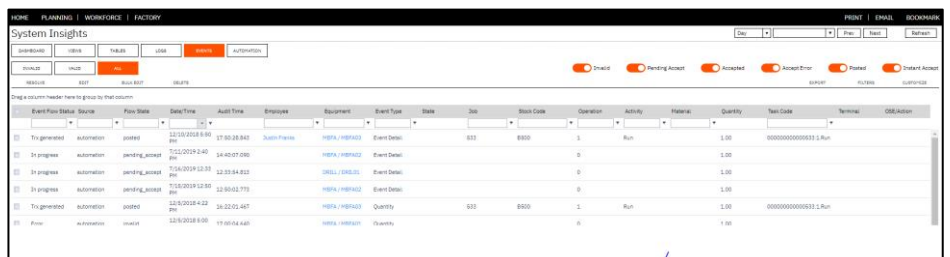
Terminology Changes for Seats

Product License
If you are an existing customer and are now implementing FA, you will need to apply your new LYNQ license which includes Automated Devices from Help/Change Product License.

To be consistent with the new 2019 price list, seats have been renamed to Manual Resource (Standard Seat) and Automated Device (Premium Seat).

Where can I see the change?

Menu	Sub Menu	Ref No.
Help	About/Change Product License	WEB-1538
Planning	Resource Management/Seat Maintenance	

New Terminology in Seat Maintenance

New Production Plan Options

Default no. of rows
Very minor change but we've increased the default number of rows you see on this page.

The Schedule Tab has been renamed to Gantt and the Gantt Tab has been split into a view by Operations or Tasks. In addition to these changes the List View now returns the same details as the Gantt View.

Where can I see the change?

Menu	Sub Menu	Ref No.
Planning	Dispatching/Production Plan	WEB-1220

New Gantt Option
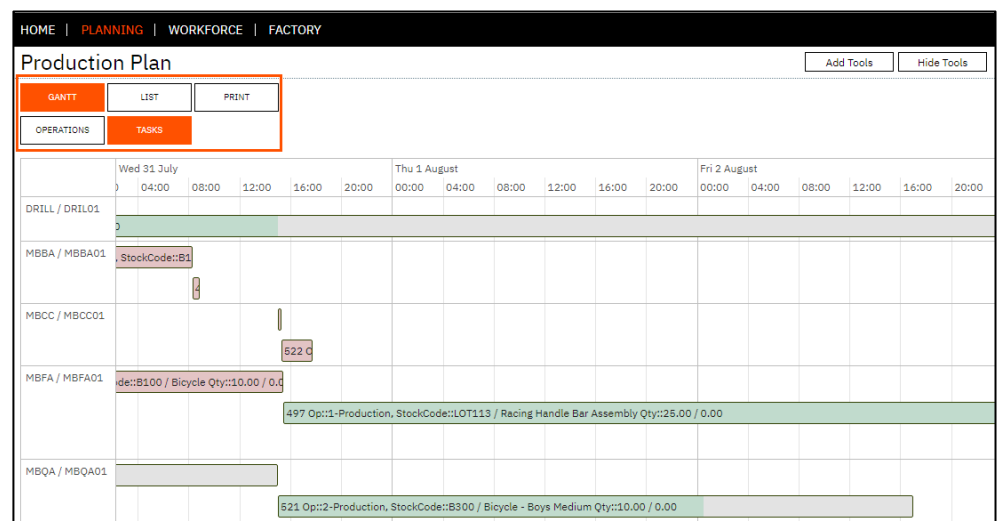
A new radio button has been added to the Production Plan to filter out or include closed tasks/operations from Gantt/List views.

Where can I see the change?

Menu	Sub Menu	Ref No.
Planning	Dispatching/Production Plan	WEB-1469

New Radio Button Option
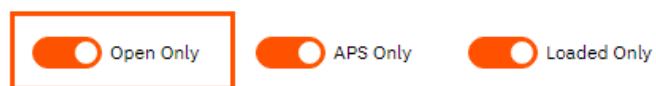
New Export Option for Material List

Customise?
I guess some of you are wondering where the customise option is for this report. Unfortunately, this is currently a screen that cannot be customised.

The Material List can now be exported to file.

Where can I see the change?

Menu	Sub Menu	Ref No.
Planning	Dispatching/Material List	WEB-1220

Enhanced Webhook Functionality

Audit Logging
Audit Logging can be viewed from Log Tab on the System Insights page. Auditing only applies to Webhooks that have a behaviour type of 'call as a service'

Recent Webhooks
You will need to append the Recent Webhook OSE by running the Append Profile option. Once appended you can add the button to your terminals. Recent Webhooks will show you the recent Webhooks executed that have a behavior type of 'call as a service'. Within Recent Webhooks you can also re-call the Webhook and edit parameters

Webhook definitions now have a "Where Used" tab providing users with vision of where the webhook has been referenced within the application

Where can I see the change?

Menu	Sub Menu	Ref No.
Advanced Settings	Definitions/Webhooks/Edit	WEB-995
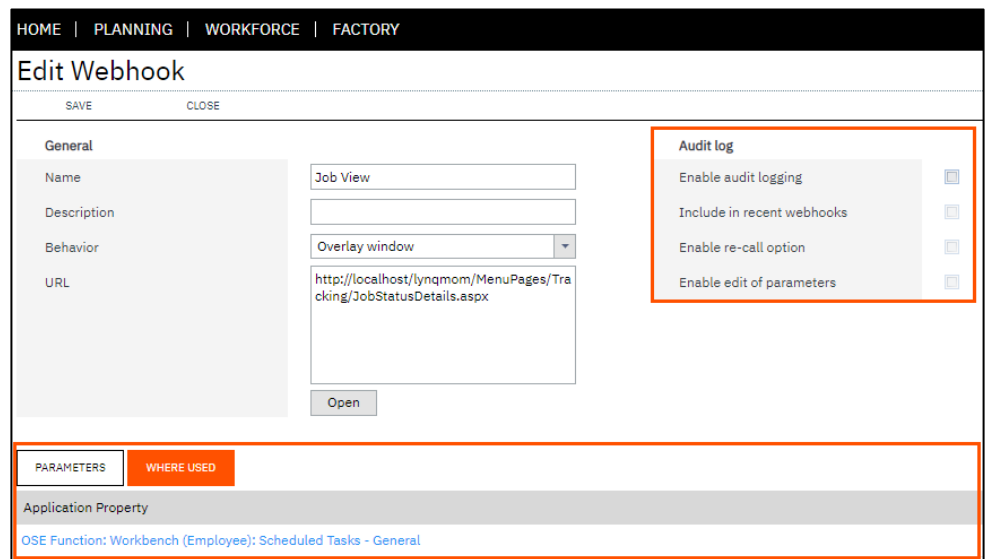
New Audit Logging settings have been provided to specify whether a Webhook should be enabled for audit logging, included in the recent Webhooks function, allowed for re-call and allowed for editing of webhook parameters. Note: Recent Webhooks is a new On Screen Element which displays a button on the workbench to show recently used Webhooks. If 2019 is applied to an existing installation, you can import the new On Screen Element from Profiles > Select the 2019 R1 Profile and then select Append from Selected. Check the Recent Webhooks (small) option and then select Append Selected

Where can I see the change?

Menu	Sub Menu	Ref No.
Advanced Settings	Definitions/Webhooks/Edit	WEB-1527
	Workbench/Elements/Recent Webhooks	WEB-1527

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Enhanced QR Code on Job Card

The QR code can now be scanned directly from the screen

Previously the QR Code was provided as a sample only. This now correctly returns the Job URL if scanned.

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Tracking/Job Status/Job Card	WEB-1010

New Material Backflush Settings

Setting the backflush option to Auto is not recommended for sites that have extended tracking such as Serial, Lot or Bin. This is due to the fact tracking data must be populated by the user during reporting

Users now have the ability to automatically issue materials without being prompted after reporting quantity.

Where can I see the change?

Menu	Sub Menu	Ref No.
Advanced Settings	Definitions/Workbench/Reporting Options	WEB-1188

Within the Reporting Option settings against the Workbench On Screen Elemet there are new options for:

Enable Material Issue

- Manual Backflush
- Auto Backflush

Default Backflush Method

- Approve Backflush (Material Issue Screen will appear after reporting)
- Auto Backflush (Material Issue Screen will not appear after reporting)
- No Backflush.   (Material Issues after reporting is disabled)

New Backflush Reporting Options

When Auto is activated, the user will see 3 backflush options on the report screen:

- Approve Backflush
- Auto Backflush
- No Backflush

New Material Backflush Settings

Backflush Option

The backflush option is read from the workbench on screen element, reporting options.

New Material Backflush Option on the Report Screen

Enhanced Job Status for Machines

Customise Button
Use the customise button to add the additional machine columns to the screen. Enter Machine in the Field name field

Additional columns have been provided to assist with Machine Time analysis. In early releases of LYNQ the Jobs Status provided progress visibility by Labour Time only. There was a need to extend this with Machine Time visibility for environments where Machine time is defining Job Execution.

Note: This enhancement modifies Lynq_ME_TaskView. Any customisations to this view will need to be re-applied after the upgrade

Where can I see the change?

Menu	Sub Menu	Ref No.
Planning	Dispatching/Production Job List	WEB-1221
	Dispatching/Production Status	
Workforce	Tracking/Job Status and Job Card (by Operation)	

Machine fields

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New Task View Tab in Job Card

P:roduction Status
The same changes apply to the Production Status Report.

A new option has been added to the Job Card to show individual tasks.

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Tracking/Job Status/Job Card/By Task	WEB-1464

New Task View Tab

New Separated Time Split Options

Functions with time split
Time split also applies to the Add Task, Barcode, Recent Task, Start Task and Start Next Task functions.

Time split settings have been separated to allow different settings for employees and equipment.

Where can I see the change?

Menu	Sub Menu	Ref No.
Advanced Settings	Workbench/Elements/Employee Workbench	WEB-1474
	Workbench/Elements/Equipment Workbench	
	Workbench/Elements/Add Tasks	

Separate Time Split Options on Workbench On Screen Element

New Indicators in the Workbench

Vertical Indicator Bar

The vertical indicator bar to the left of the machine indicators will change colour depending on colour coding of your diversions

A new icon (machine or employee) will now appear next to the vertical bar in the Job List when a task is running. The icon will indicate the number of employees or equipment involved with a running task.

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Data Collection/Workbench	WEB-1621

New Status Indicators

New hover-over in Transaction Review

Result Column

The Result column only appears on the Errors and All Tab

The error result column has been truncated to 100 characters, with an option to hover over to see the full error message. This change was required to reduce the height of a row when viewing the transaction in the Transaction Review screen.

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Execution Management/Transaction Review	WEB-1630

New Hover-Over

New Validation Rules for Workbench

Validation Rules

Validation Rules can be set as Do Not Validate, Warn or Prevent. If you want to have different terminals with different validation rules, make a copy of the On Screen Element and apply it to your terminal

New validation rules have been provided to check against activities being marked as complete when there is remaining quantity to produce, and activities not marked as complete where there is no quantity remaining. Also there is a facility to autocomplete activity when no quantity remains.

Where can I see the change?

Menu	Sub Menu	Ref No.
Advanced Settings	Workbench/Elements/Employee Workbench/Reporting Options/Status/Use Validation	WEB-1658
	Workbench/Elements/Equipment Workbench/Reporting Options/Status/Use Validation	

New Use Validation Option

New Validation Rules

Enhanced Job Card Add Transaction

Why not before?
No comment!

When adding transactions to a Job in Job Card view, the user will no longer see tasks that are not associated with the Job..

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Tracking/Job Status/Job Card	WEB-1583

Filtered Task List

Tasks relevant to the Job

Enhanced Edit Transaction Ability

Why not before?

Due to the way that the data was structured in the tracing tables, it was difficult to edit all fields captured against the transaction. The structure of data storage has been improved to allow the editing of data.

In previous versions of LYNQ the labor value was the only field that could be editted in the Transaction Review Screen. This made the correction of data errors long winded to resolve with the user having to copy, delete and then edit the copied transaction.

Now when editting Transactions, it's possible to edit:

1. Transaction Date
2. Employee Code
3. Membership Code
4. Task Code
5. Labour Hrs
6. Classification Value

Transaction Edit

Enhanced Scheduled Events

The scheduled events feature has been renamed to Actions. This was changed to re-align the feature to its new improved behavior where events can be triggered manually from screens within the application and not necessarily on a fixed or recurring time basis.

The actions feature (previously schedule events) has been moved to Advanced Settings and the terminal tab has been removed on the settings screen. This was changed to improve the UX and understanding of how to configure an action. Actions are now setup independent of the workbench.

Where can I see the change?

Menu	Sub Menu	Ref No.
Advanced Settings	Actions	WEB-1684

Actions appear as a separate tab
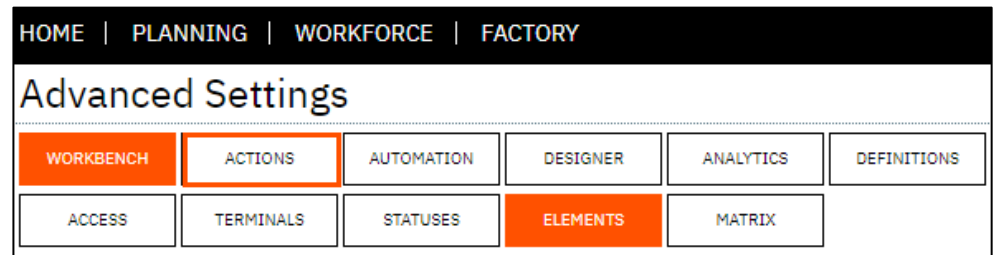
Actions can now be activated or deactivated and triggered manually from status pages in the application. This improved functionality provides a quick and easy way to perform actions against single or multiple resources. A new option has been provided in the Execute By field to specify the action is manual execution. Any actions that are setup for manual execution can be manually triggered in the screens listed in the table below.

Where can I see the change?

Menu	Sub Menu	Ref No.
Workforce	Tracking/Employee Status/Card View/Green Finger Indicator	WEB-1684
	Tracking/Employee Status/List View/Actions	
	Tracking/Equipment Status/Card View/Green Finger Indicator	
	Tracking/Equipment Status/List View/Actions	

Enhanced Scheduled Events

Actions

Actions can apply to either equipment or employees or both. You can also restrict who the action will execute for.

Option for Manual Execution

Perform Actions from the Status Screens Card View (Single)

Perform Actions from the Status Screens List View (Multi)

Enhanced Loss Management Report

Powerful Report

A critical report for any company wishing to drive down factory loss and increase revenue and competiveness.

The Loss Management report has been enhanced to include four financial loss visualizations:

- %
- Hour
- Rate
- Revenue

A default system wide labor rate, employee revenue rate, overhead rate, equipment revenue rate can be setup in Advanced Settings/General. Rates can also be setup at the seat level in seat maintenance which will override the system wide settings.

Where can I see the change?

Menu	Sub Menu	Ref No.
Planning	Resource Maintenance/Seat Maintenance	WEB-1707
Factory	Continuous Improvement/Loss Management	

New Financial settings in Advanced Settings

New Rate settings in Equipment Maintenance

Enhanced Loss Management Report

Powerful Report
The reports will automatically update once labor rate, employee revenue rate, overhead rate, equipment revenue rates have been set

The Loss Management Dashboard displays realisation of loss across your manufacturing operations with every loss identified, classified (Six Big Loss) and quantified to allow for counter measures to be applied and continuous improvement to be made.
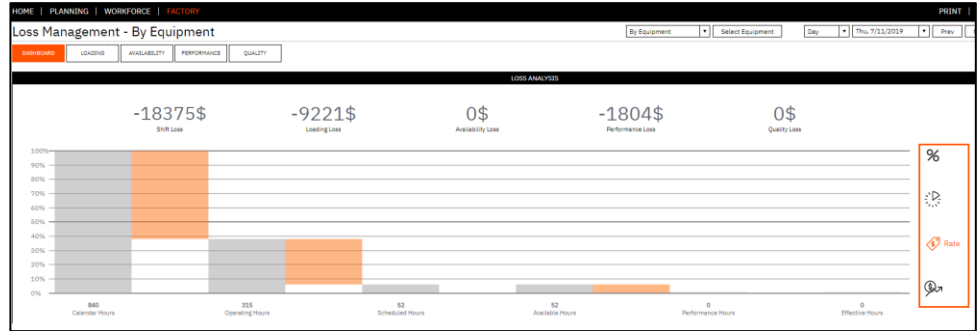
Different Visualisations of Loss Management

Visualisation	Type	Meaning
	Loss Management by %	Shows the loss in percentage of hours for your manufacturing operation
	Loss Management by Hour	Shows the loss in hours for your manufacturing operation
	Loss Management by **Rate**	Shows the loss at cost value for your manufacturing operation
	Loss Management by Revenue	Shows the loss at revenue value for your manufacturing operation