User Group meeting - Oslo

Discrete (LN) Cloud Suites

How to transform to an Innovative Enterprise

Marco Hoogenraad
VP Product Management, Infor

2023-09-20

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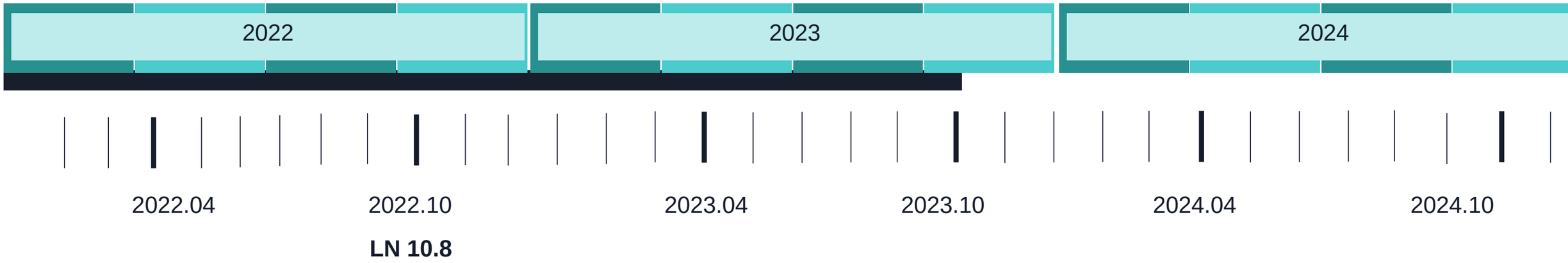
LN Cloud: Incremental updates without business disruption



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Recent deliveries

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2023.04 - Delivered

Common themes

- Discrete CloudSuites at Work with OS Portal
  - Demo: Preconfigured Workspaces
- REST APIs for Engineering
  - PLM : External application to Discrete CloudSuite
- Discrete CloudSuites - Localizations and Financials

Industrial Enterprise

- Services Procurement + Portal Onboarding
- CPQ Configuration content
- Configuration by sites
- PLM for Discrete
  - Revision support for customized items
  - BOM redlining
  - Make WF + BP generic
- Infor MES integration

Automotive

- Planning - Channel Master Planning for Sales Schedules
- Sales - Internal/external Sales Representatives on Sales Contract Lines
- Sales - Split of monthly requirements in weekly requirements
- Manufacturing - Job Shop – Alternative Packaging
- Shipping - Shipment Cancellations
- Shipping Ship-from Warehouse based on Trading Partner Configuration
- Billing - Retro-billing based on Price Book Changes

A&D

- PLM: Reference Designators
- PLM: IDM integration
- Factory Track: Streamlined Employee Login
- Factory Track: Machine Downtime Capture
- Factory Track: Rapid Scanning
- Update on CS A&D IGS Audit in the AWS Gov Cloud for CMMC and FedRAMP

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Discrete Enterprise

Release Highlights 2023.10

Improved UX

AI driven workspaces & operational screens

Supply chain

Network visibility

Procurement of Services

Collaboration Portal

Engineering

Deep integration of PLM

Industry depth

Engineering and Configuration to Production Execution

Intercompany

Internal rental of equipment

Global footprint

New Localizations

High volume

Flexible handling of shipment changes

Flexible Integrations

REST API framework and content

Agility

Data driven business decisions

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UX – InforOS Portal Look & Feel

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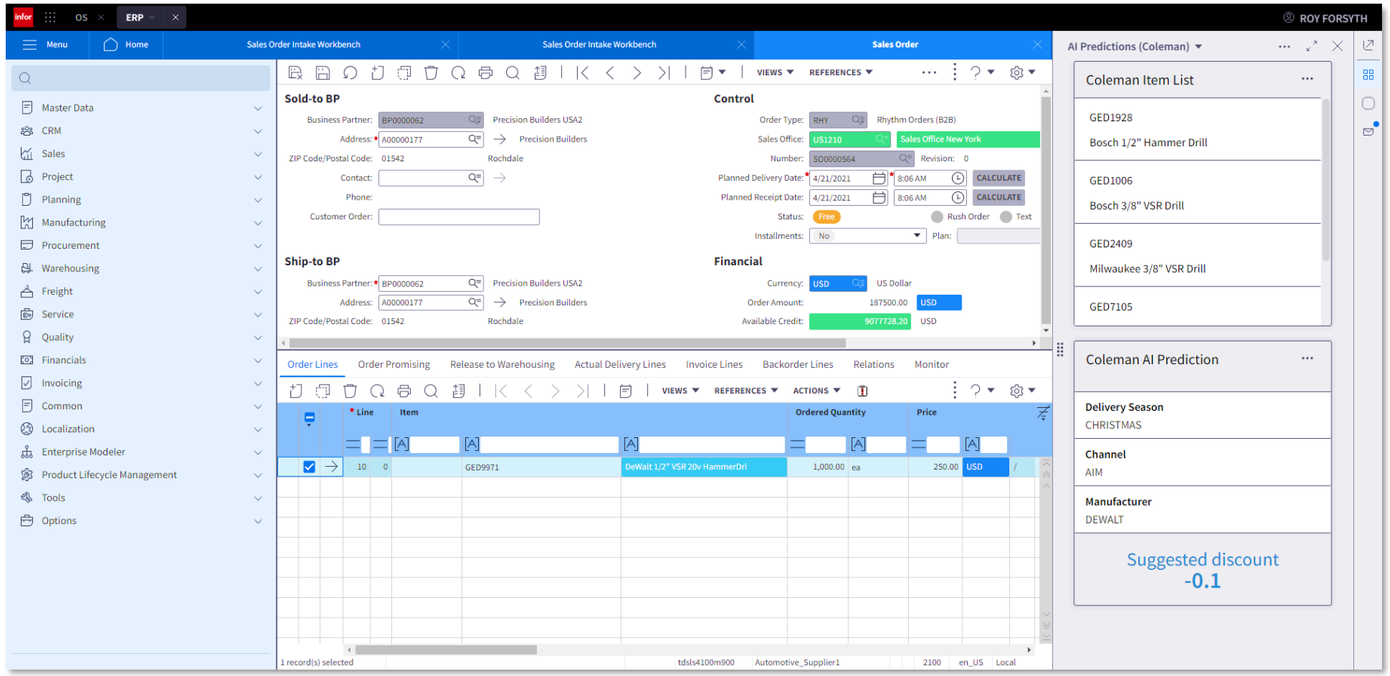
Infor Discrete Enterprise

Discrete CloudSuites at Work with OS Portal



Enabling hyper-productivity for the end users

Enhanced and expanded entry point into the CloudSuite to start and end a business day.

Expanded contextual capabilities provide instant Insights into the work at hand.

Easier and faster navigation, multitasking for a quicker completion of the work to be done.

[BUSINESS OUTCOME #1]

Expanded, enhanced and configurable view on tasks

[BUSINESS OUTCOME #2]

Simpler and faster access to business data

[BUSINESS OUTCOME #3]

The right Insight when the user needs it

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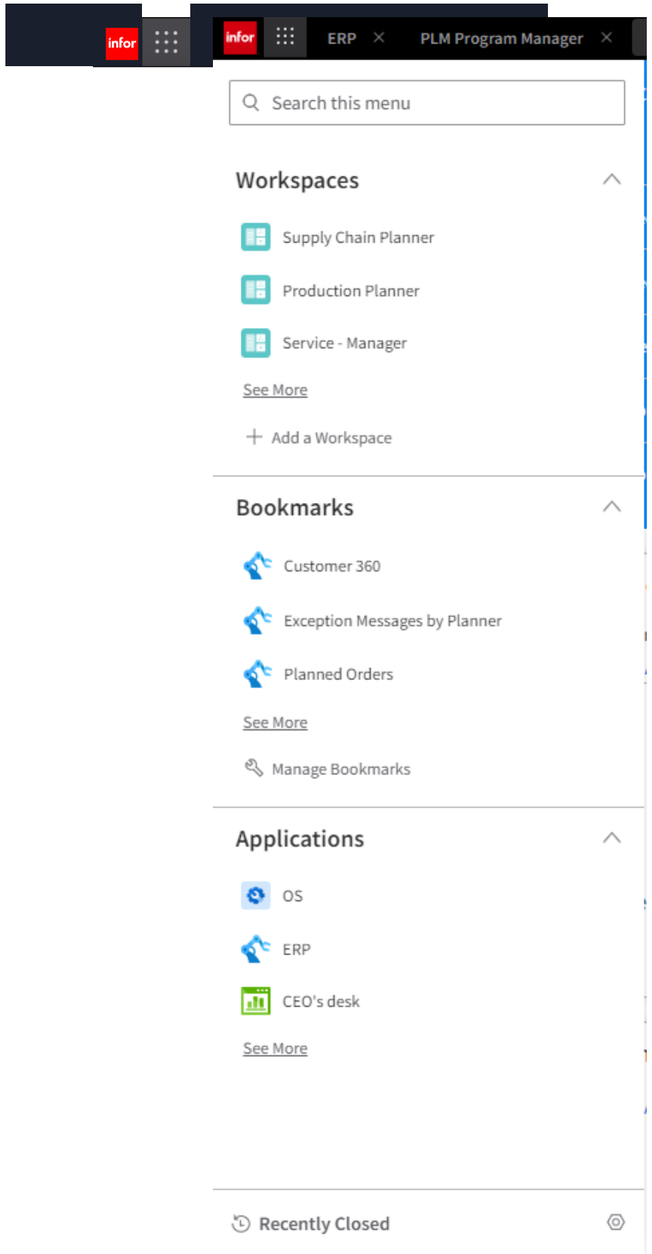


Infor Discrete Enterprise

New Portal UX

CloudSuite Navigation - Demo

What the user needs, when they need it.

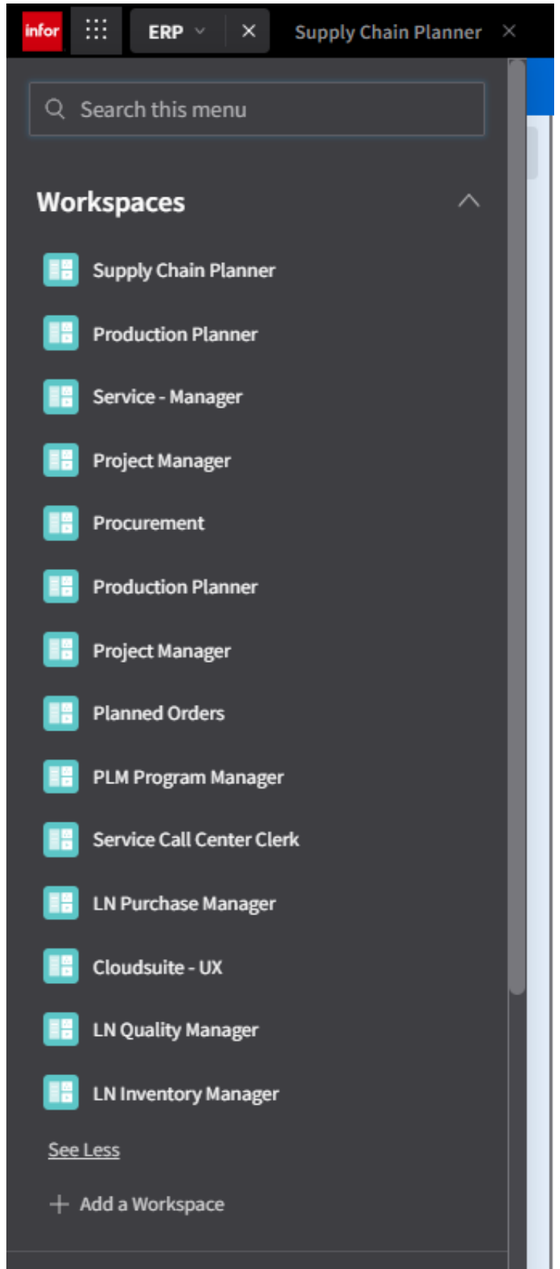
Using role requirements to streamline access across Industry CloudSuites.

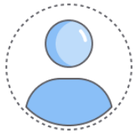
- Single Blended App experience
- Easy to use
- Seamless
- Login to Infor – open an app (terminology)

OCTOBER 2023

From RBHP

To Workspaces





Roles

In CSIE there are around 50 roles defined in our IPC. About 30-35 are actual application using – often desktop relates – roles. The workspaces that we are defining are defined around "persona's". The aim is to create the user experience that is personalized. The existing RBHP are converted to Workspaces but they will need more work !

Uplift of the Workspaces

As new functionality is introduced and industry teams become more familiar with how their users are interacting with Workspaces and Insights, new content will need to be developed and iterated upon. This will introduce a new dimension to our understanding of user roles and needs, and thus represents a significant time commitment that should be planned for as the T2V process continues to develop with the introduction of OS Portal.

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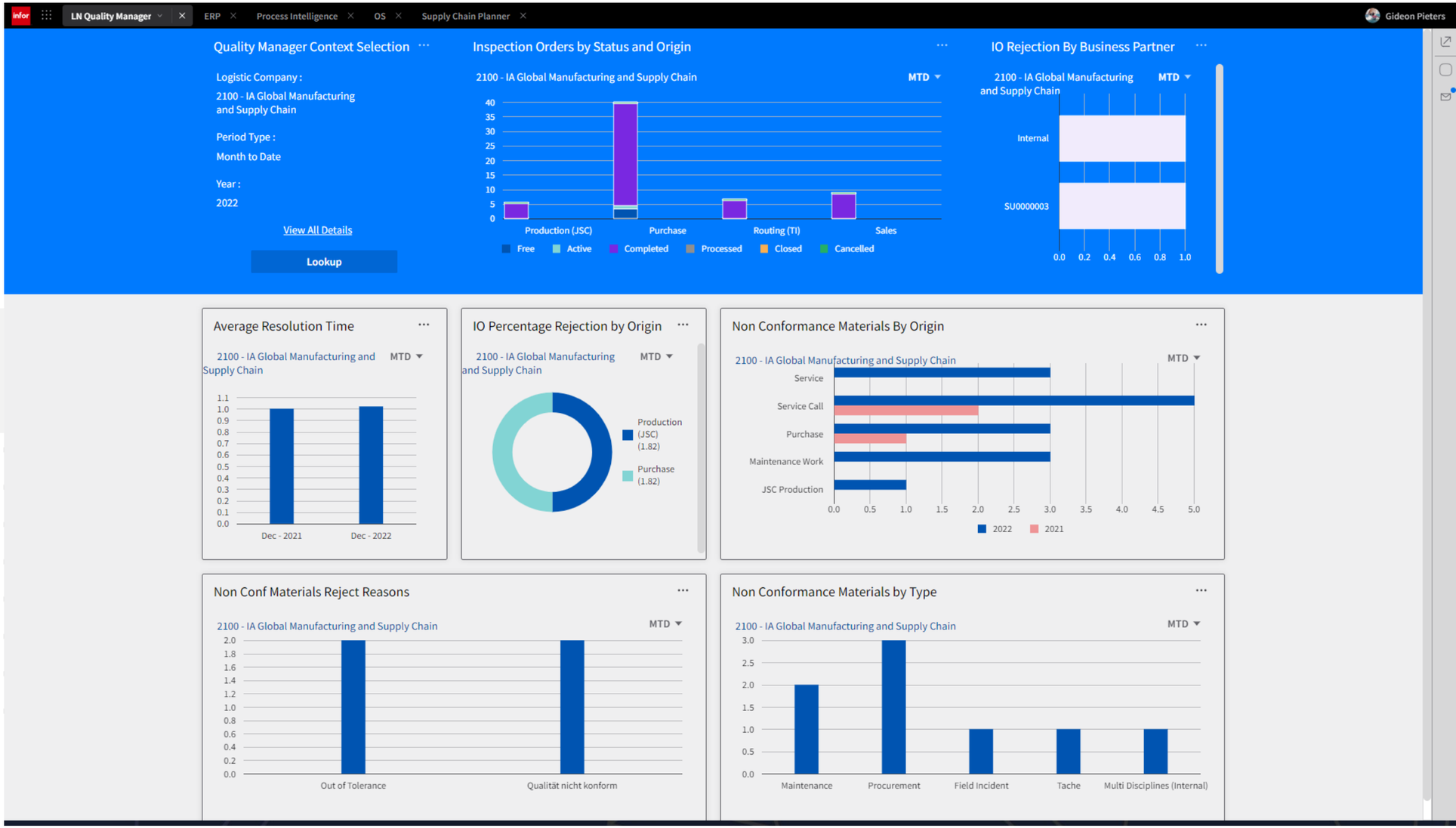
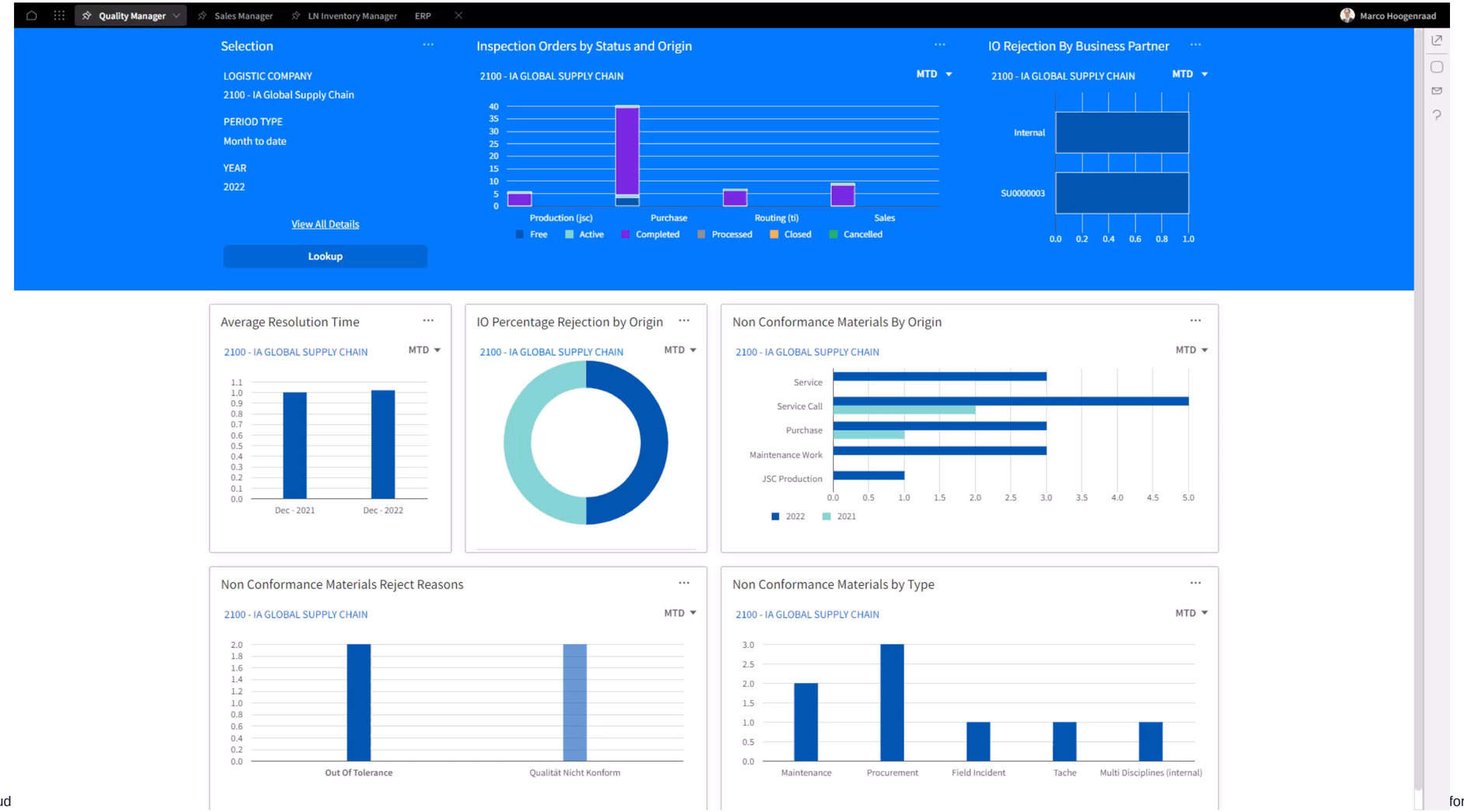
Workspaces

Upgrade of all RBHP



DISCRETE ENTERPRISE

Portal navigation impression



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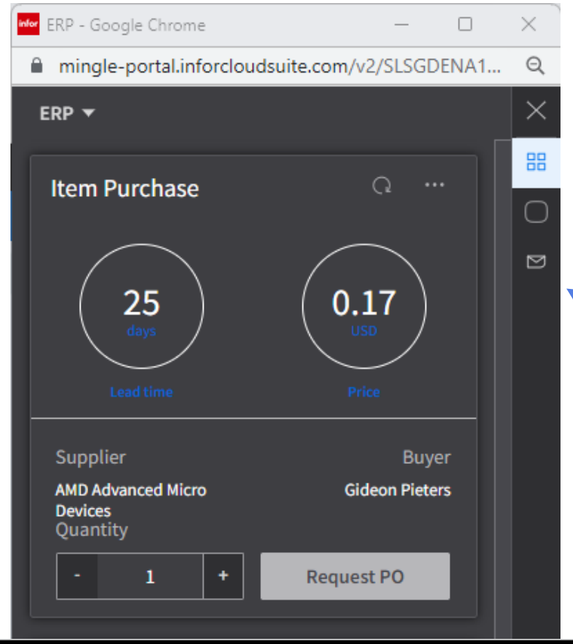
Smart Panel

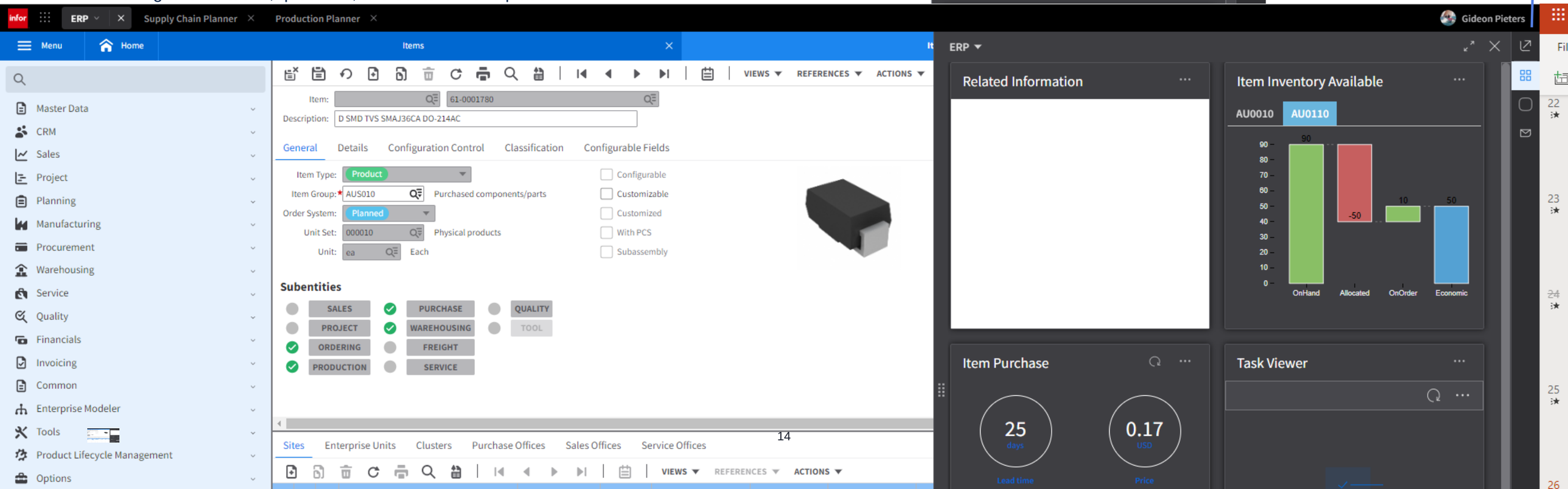
Enhanced contextual capabilities

Smart Panel provides the user with time-sensitive information, contextually—the right information at the right time.

Smart Panel is the successor to the Infor Ming.le Context Applications panel. It aggregates the user's action items from across the CloudSuite dynamically, having all their alerts, questions, and context in one place.



Pop-out



Selection

LOGISTIC COMPANY
2100 - IA Global Supply Chain

PERIOD TYPE
Month to date

YEAR
2022

View All Details

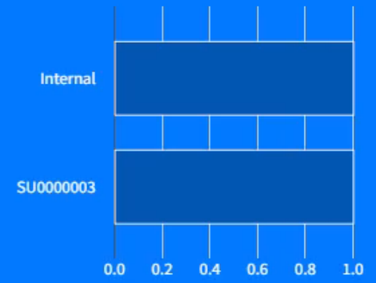
Lookup

Inspection Orders by Status and Origin

2100 - IA GLOBAL SUPPLY CHAIN | MTD

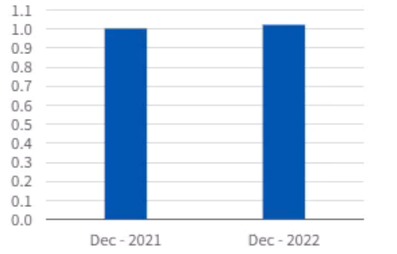
IO Rejection By Business Partner

2100 - IA GLOBAL SUPPLY CHAIN | MTD



Average Resolution Time

2100 - IA GLOBAL SUPPLY CHAIN | MTD



IO Percentage Rejection by Origin

2100 - IA GLOBAL SUPPLY CHAIN | MTD

Non Conformance Materials By Origin

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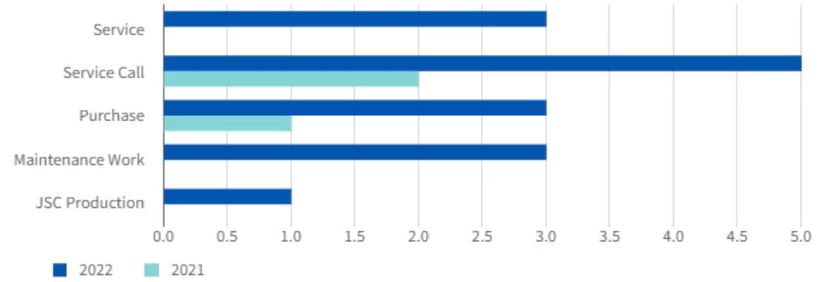

Non Conformance Materials Reject Reasons

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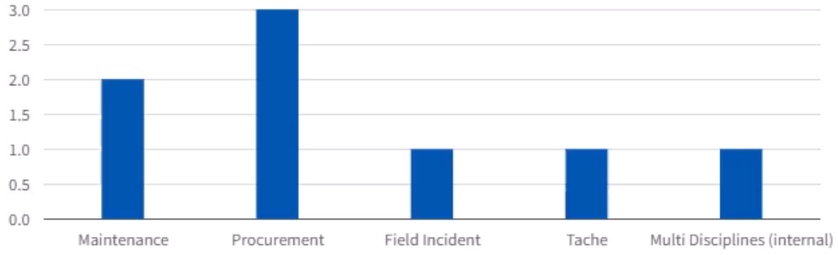
Non Conformance Materials by Type

2100 - IA GLOBAL SUPPLY CHAIN | MTD



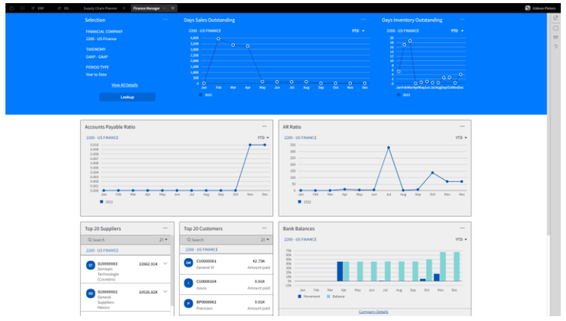
The journey
From Information System to Predictive Data Platform

ERP → Information system → Predictive

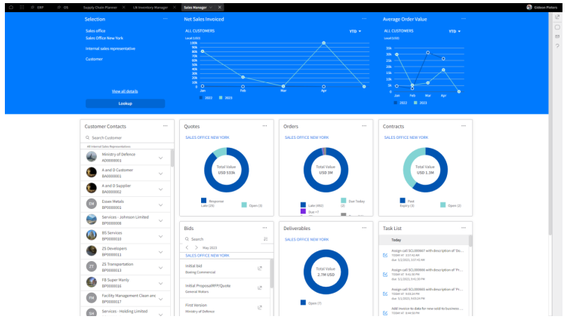
1990 1996 2000 2004 2012 2019 2023

Workspaces (p.k.a. Preconfigured Role-Based Homepages)
Available today – Easy access to information

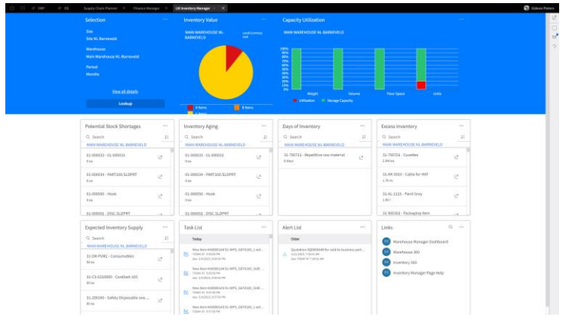
Finance manager
Production manager
Contract Manager



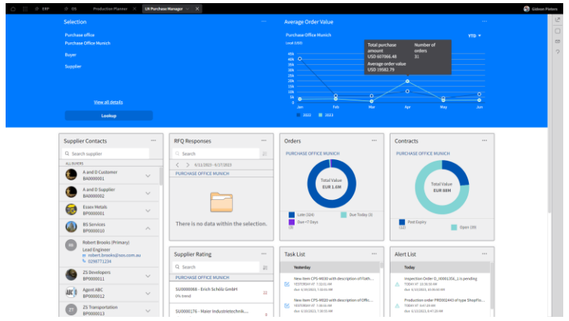
Sales manager
Service call clerk
Quality Manager

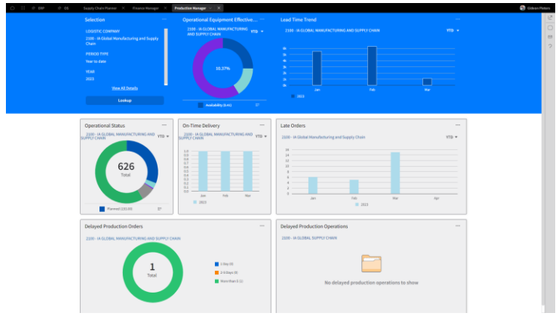


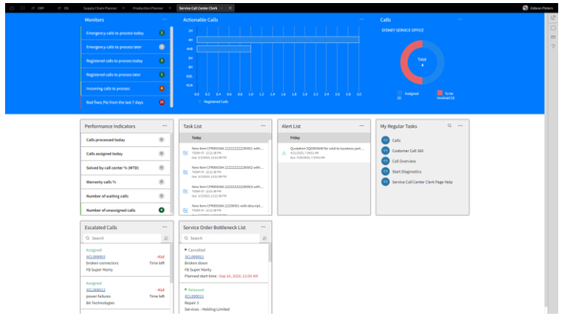
Inventory manager
Supply chain planner
Project Manager

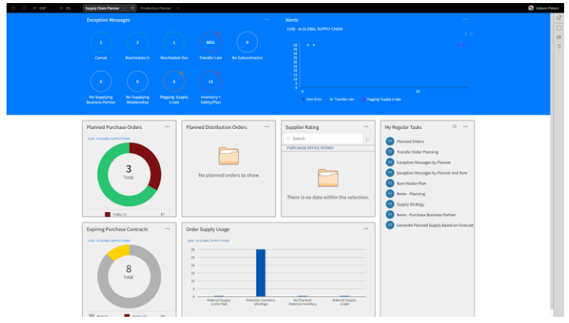


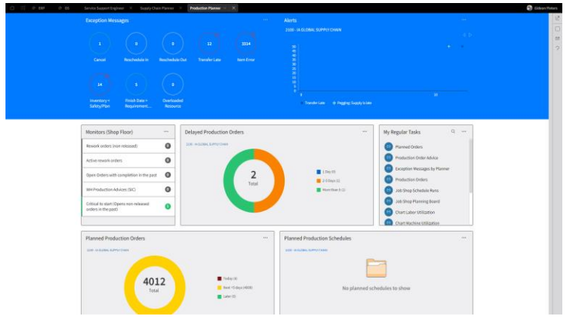
Purchase manager
Production planner
Service engineer

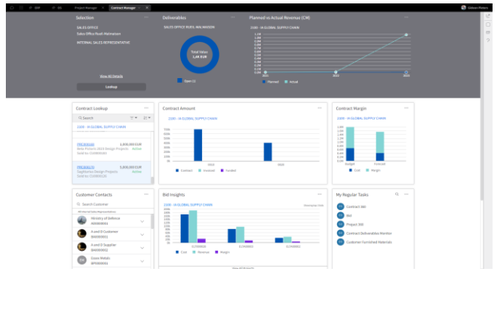


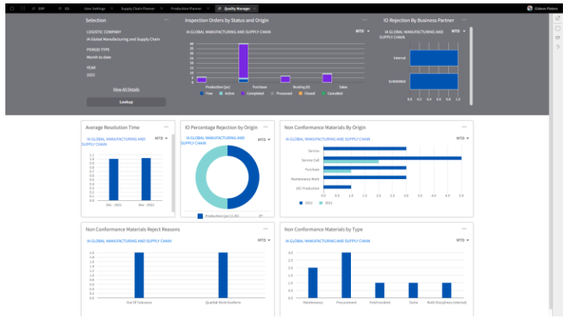


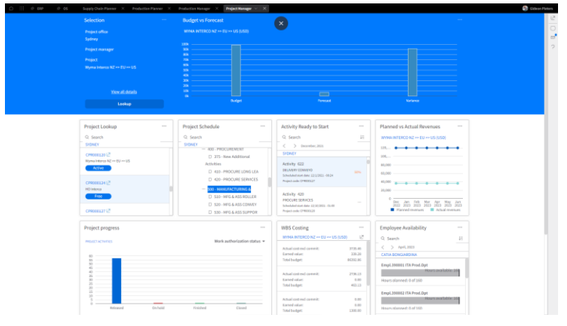


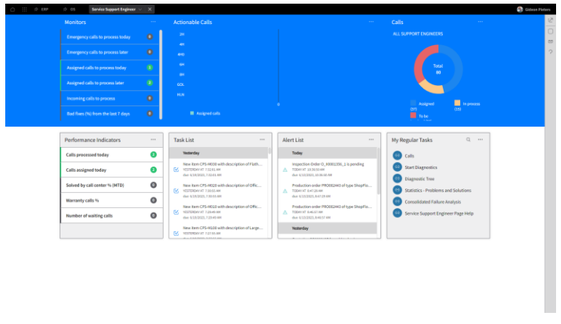






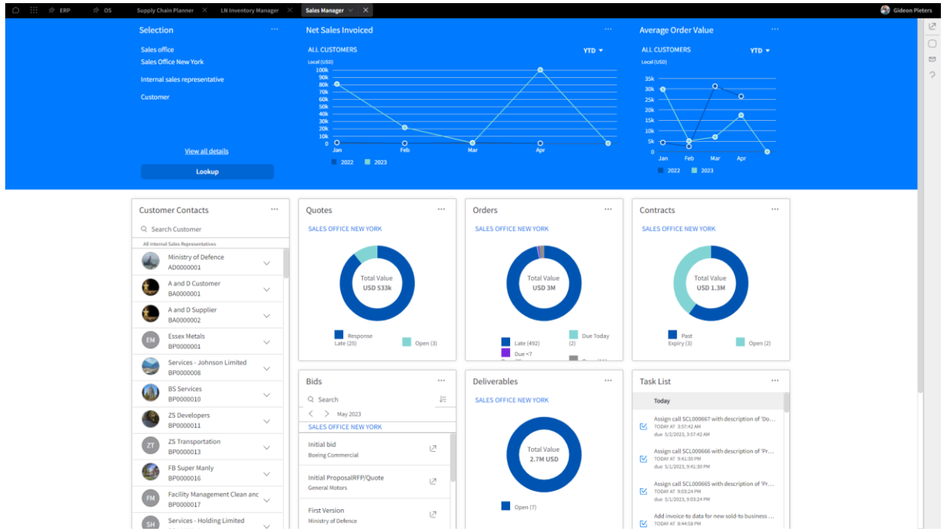


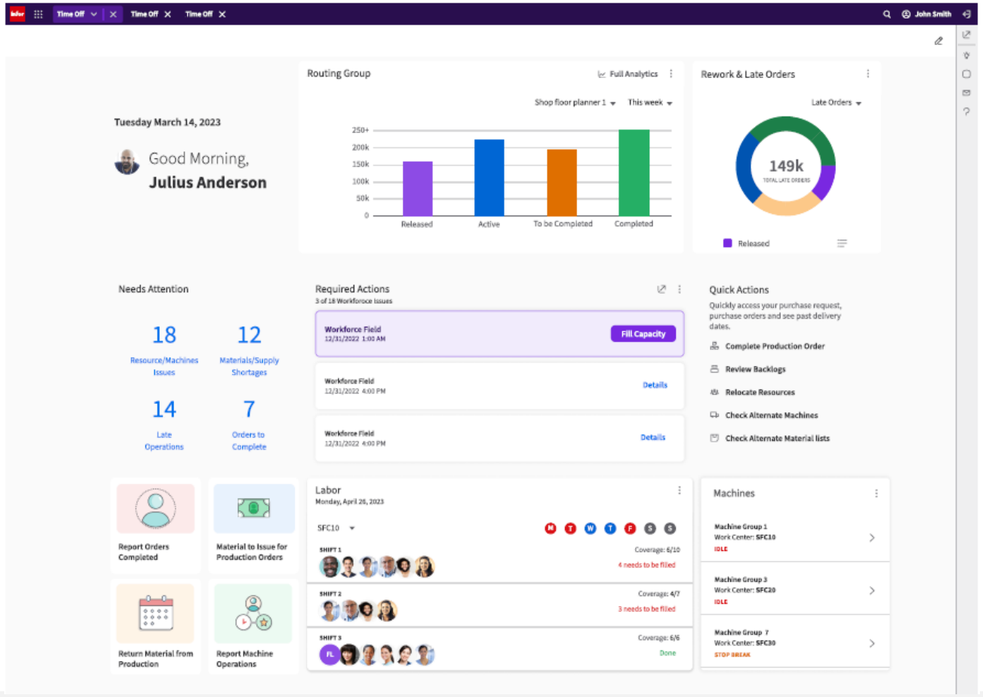




UX transition

Easy access of information TO AI/RPA supported role execution





Enhanced and expanded entry point into the CloudSuite to start and end a business day.

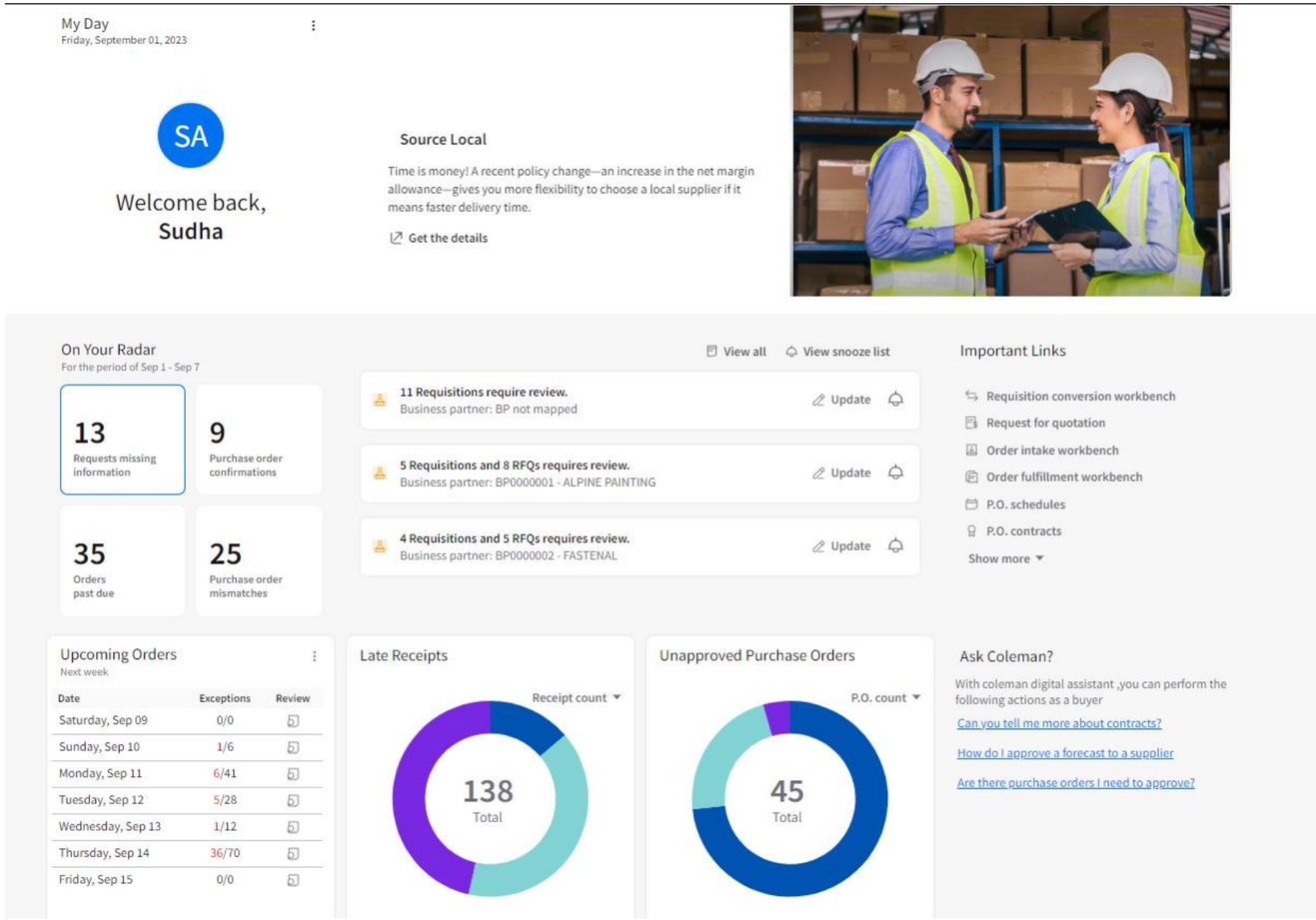
Expanded contextual capabilities provide instant Insights into the work at hand.

Easier and faster navigation, multitasking for a quicker completion of the work to be done.

Workspace – Buyer Persona

Executive summary

LN applications provide capabilities to create a specific view on this information via the filter and selection features. These capabilities have been redesigned for all end user roles to improve their productivity and reduce the time spent on configuring and using these features. For the administrator role, who maintains the related setup, we have enhanced the usability of the involved Tools applications.



Solution overview

Requirement

- ✓ Improve the usability of the Filter and Selection capabilities in LN applications.

Solution

- ✓ A new persona workspace, which is developed with the aim to move some tasks from application space to workspace to create a more effective and efficient user experience.
- ✓ Enhanced User Experience

Benefits

- ✓ More fluent experience
- ✓ End user: Less time spent on creation and use of filters
- ✓ End user: Faster way to select records
- ✓ Administrator: Less time spent to maintain filter setups of users
- ✓ The LN CloudSuites with these persona driven Workspaces provide a user experience that anticipates and proactively guides what may/should get attention, thereby reducing supply chain interruptions.

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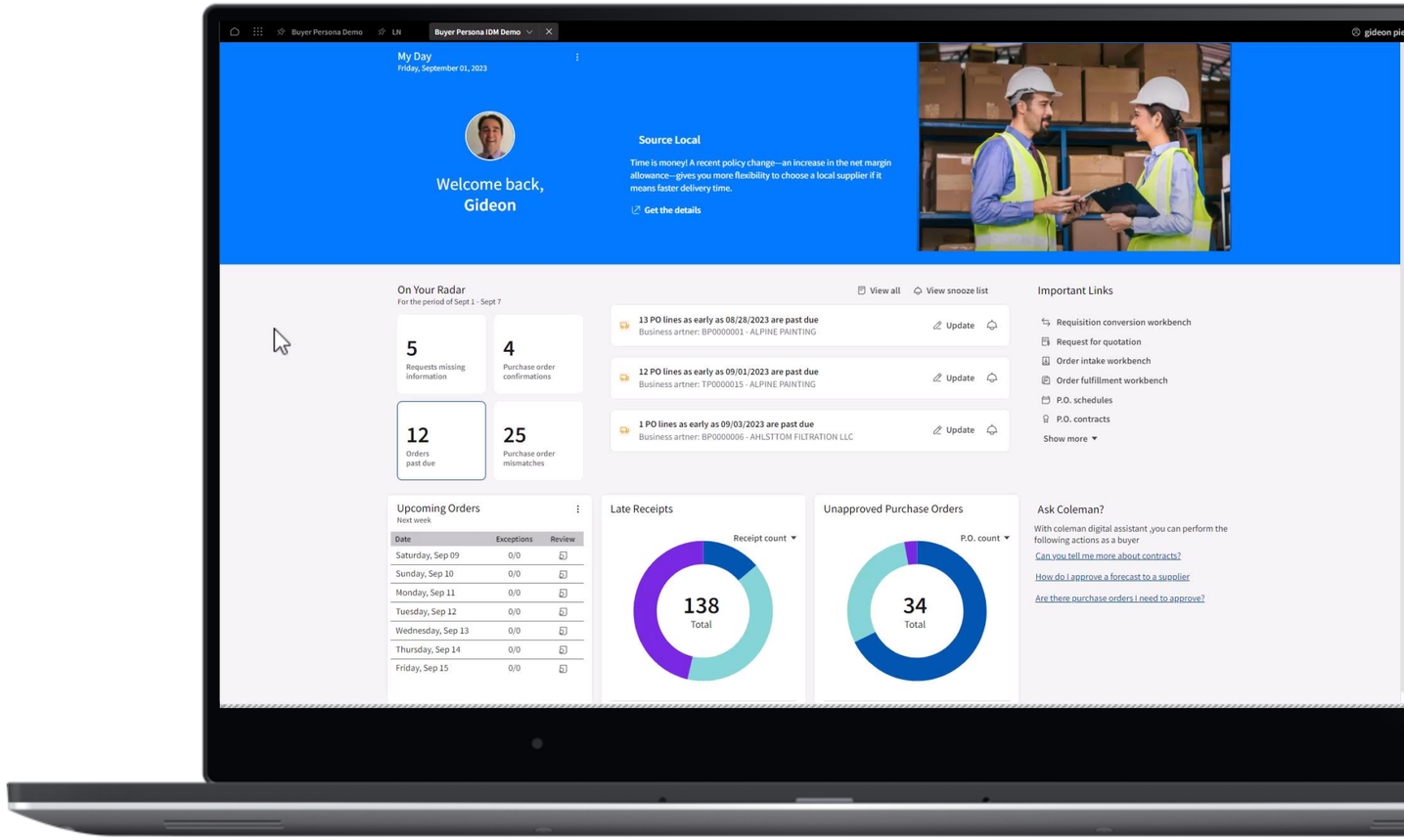
Discrete Enterprise CloudSuites

Buyer workspace

Video Demo (2'15 min)



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UX – Operational Screens

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LN Technology
UX Productivity Boost – Filters and Selection

Executive summary

The Filter and Selection capabilities inside the LN applications have been redesigned to improve the end user's productivity and reduce the time spent on configuring and using these capabilities. For the administrator role, who maintains the related setup, Infor has enhanced the usability of the involved Tools applications.

Solution overview

Requirement

- ✓ Improve the usability of the Filter and Selection capabilities in LN applications.

Solution

- ✓ Enhanced User Experience

Benefits

- ✓ End user: Less time spent on creation and use of filters
- ✓ End user: Faster way to select records
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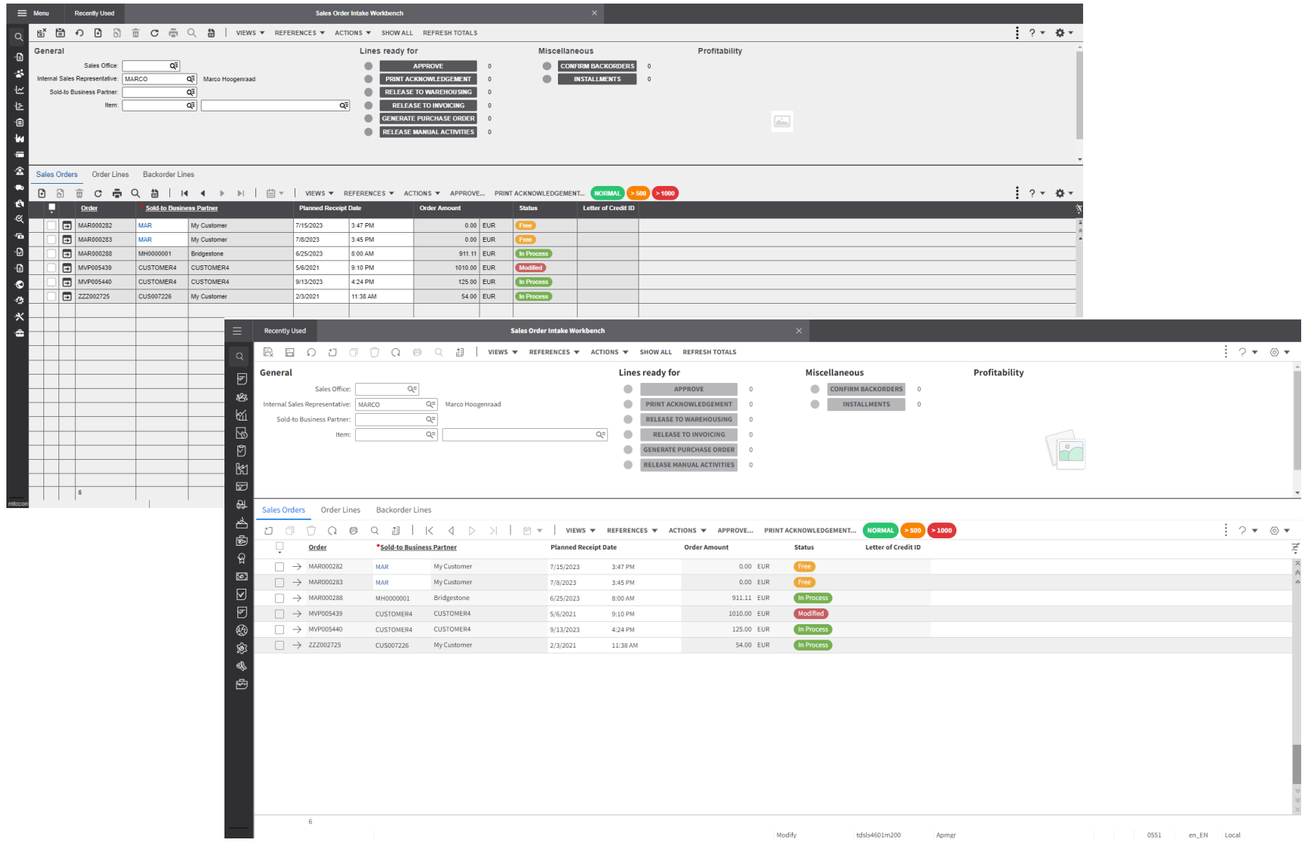

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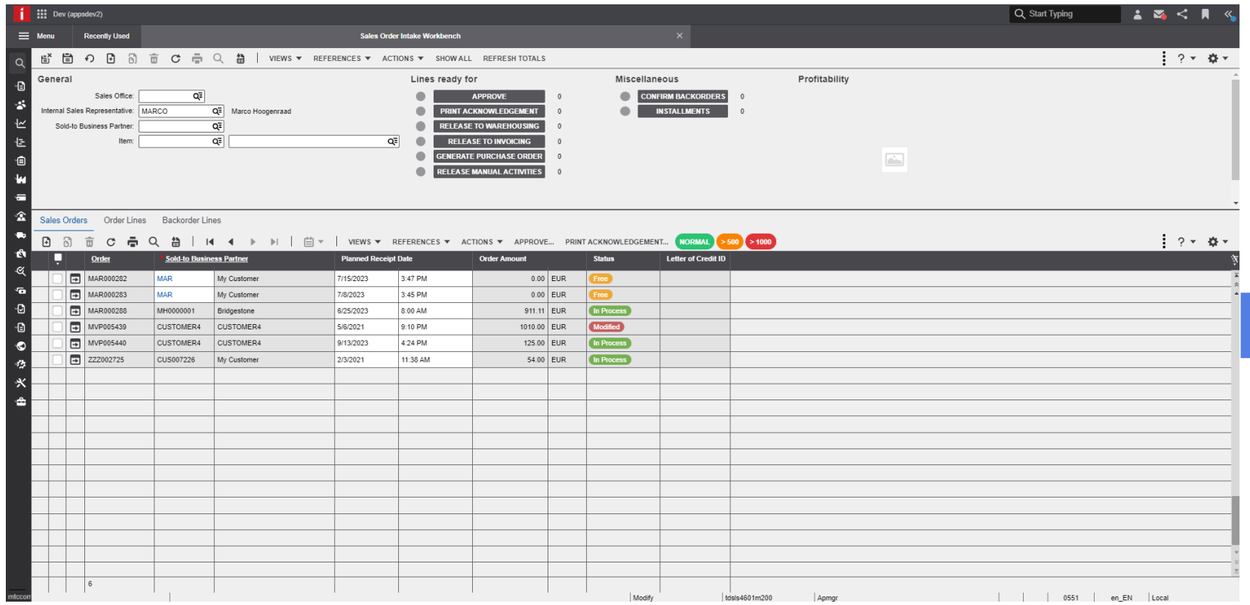
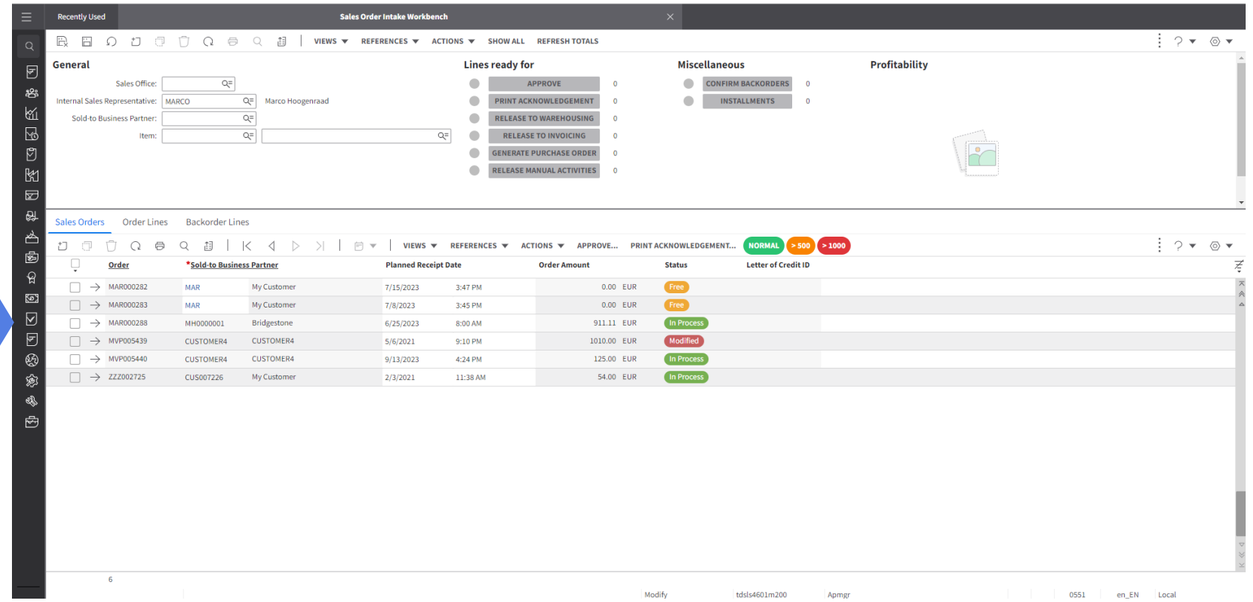
DISCRETE ENTERPRISE

Modernization operational screens 2023.10





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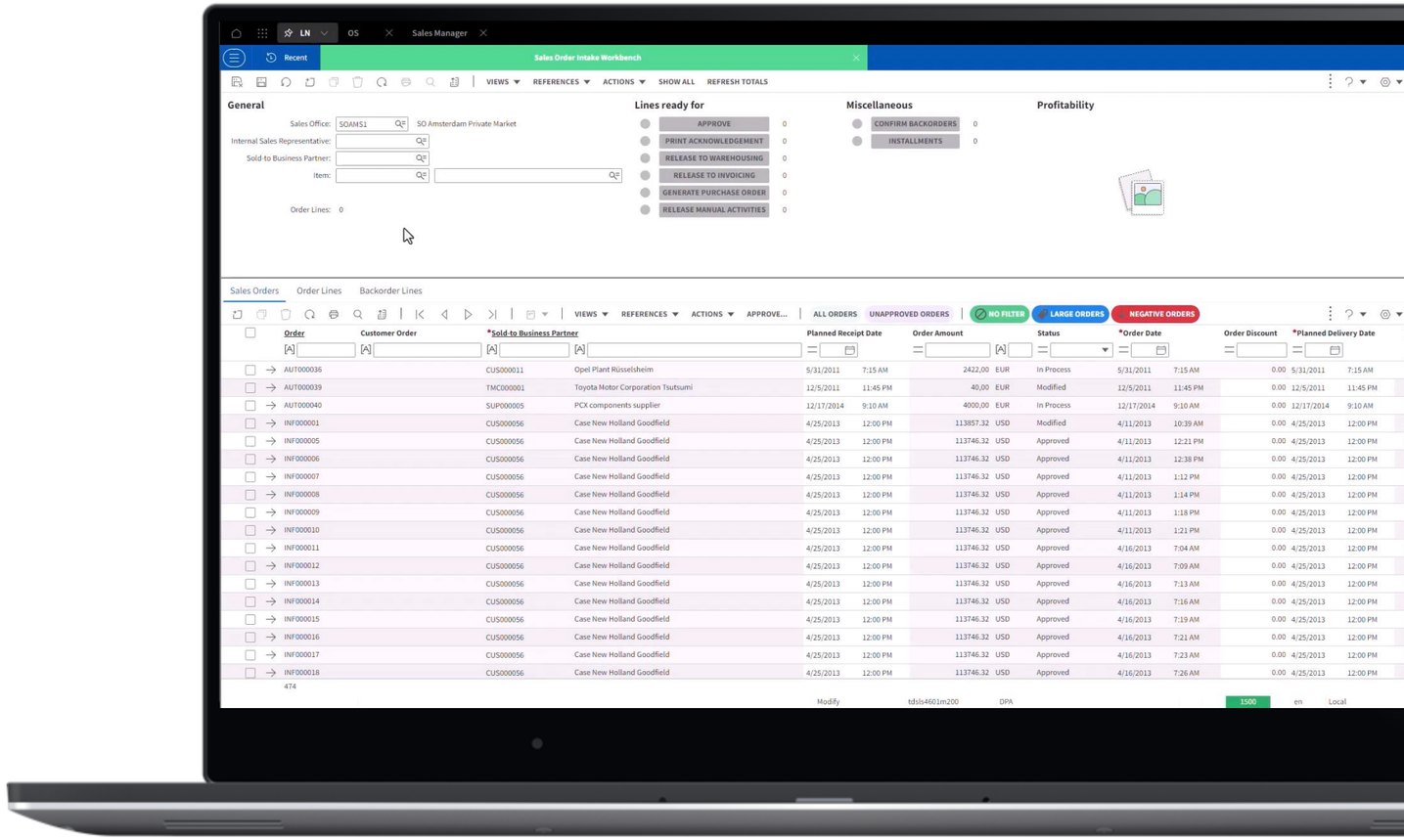
Discrete Enterprise CloudSuites

UX Productivity Boost – Filters and Selection

Video Demo (1’51 min)



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Flexible Integrations

REST API framework and content

Agility

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Workbench - Supply Network

Executive summary

Based on a review of the type of tools planners appreciate, the supply network is one such tool that we have built on base of the pegging relationships already in the system. By visualizing this on a time-line supply chain planners and production planners can review the impact of changes downstream and upstream and gain quick insights into a demand or supply scenario in the wider context of all pegged relations.

Solution overview

Requirement

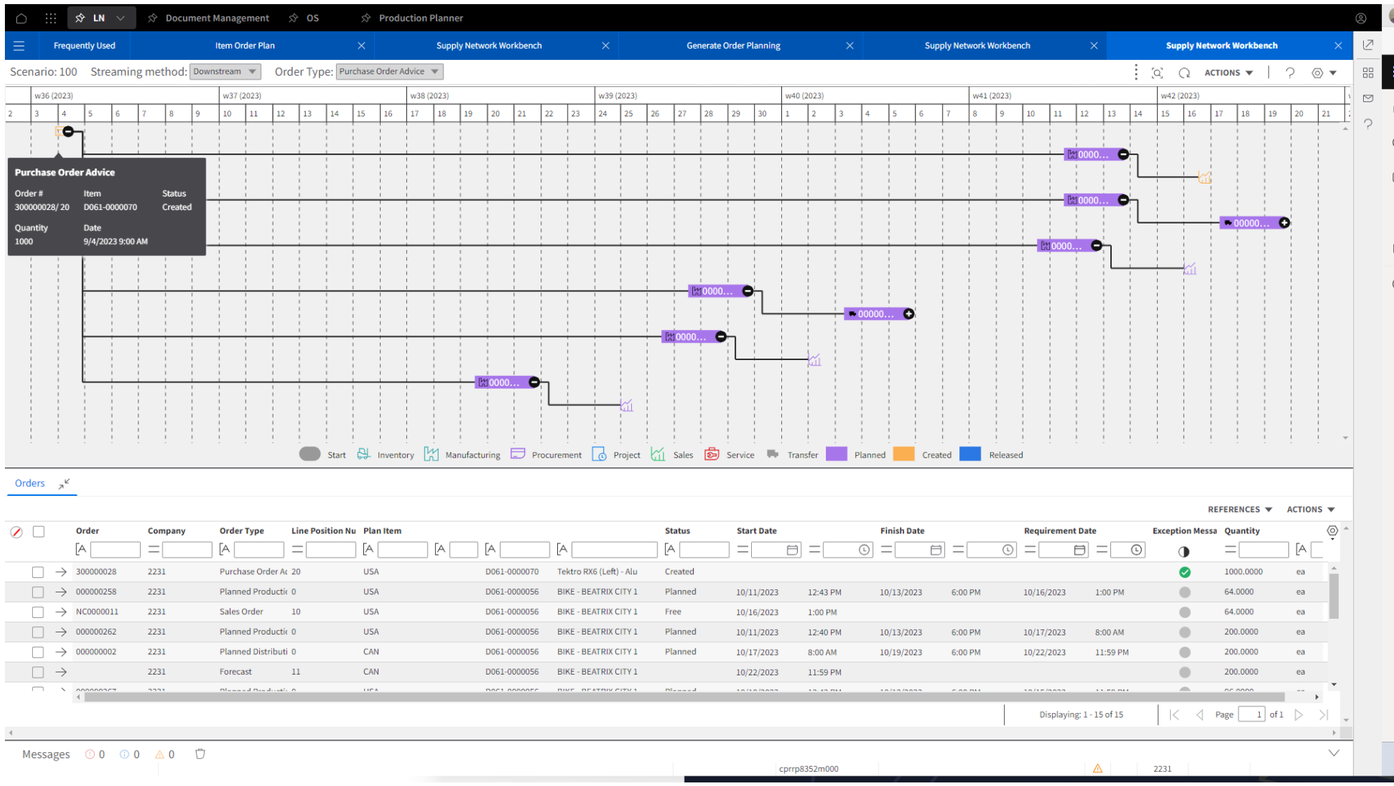
- A need for a graphical display of the supply network for a certain order (transaction)

Solution

- ✓ A supply network workbench is provided where a graphical display is given of the supply network based on the pegging relations (upstream and/or downstream) accessed via the Item Order Plan

Benefits

- ✓ This new feature improves the user experience.
- ✓ Effective: Most of the required information is available in one session to perform the operations.
- ✓ The Supply Network diagram offers a ‘time-line’ view of pegging relationships that should assist in this process. This benefits the planners as it provides an easier way to analyze how supply is used within the logistic chain as well understand which supplies are satisfying specific demands



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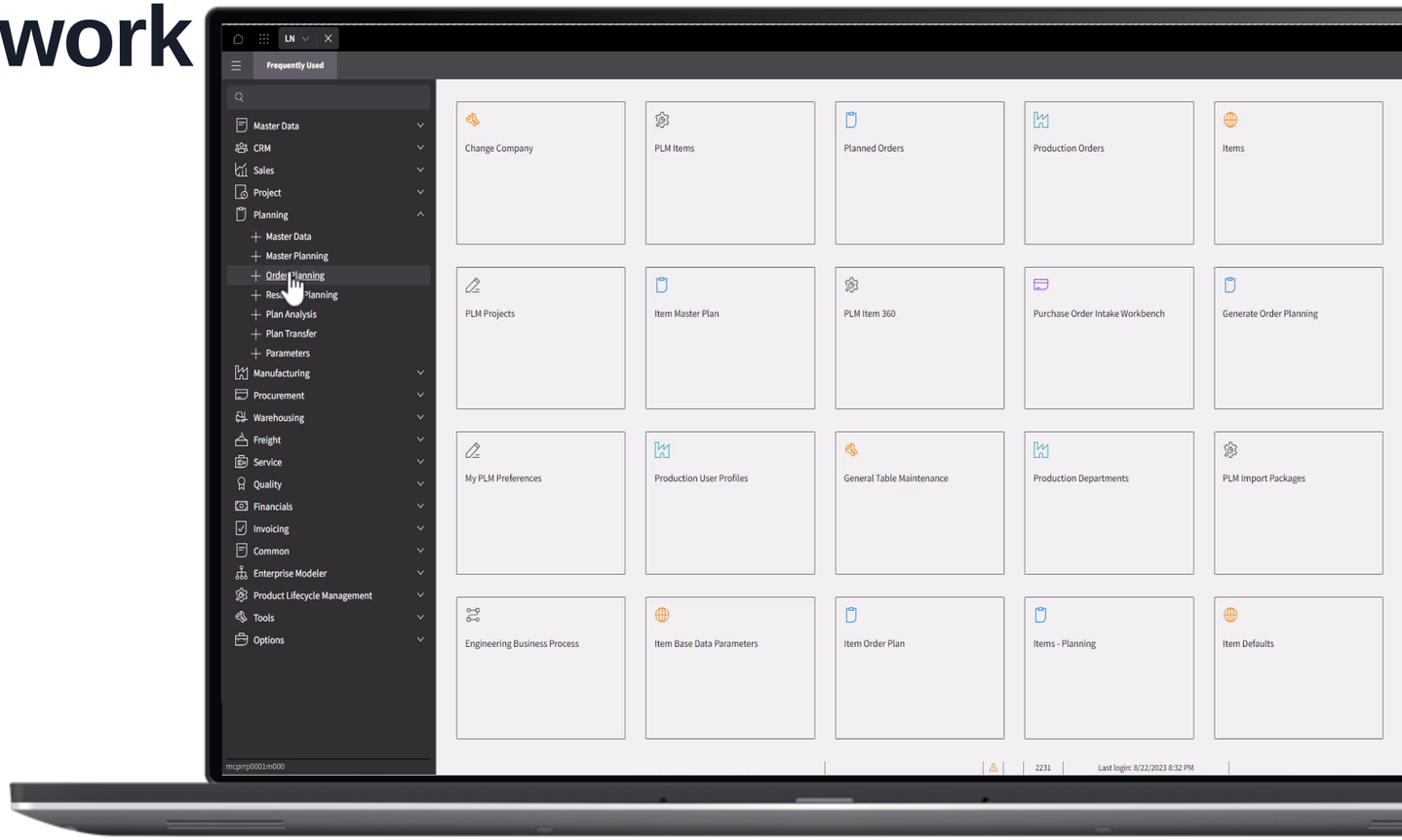
Discrete Enterprise CloudSuites

Workbench – Supply Network

Video Demo (2’18 min)



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Collaboration Portal for Services Procurement Order

Executive summary

Increased collaboration between main (LN Cloud customer) and subcontractor through the Enterprise Collaboration Portal

Solution overview

Requirement

- In project-centric industries, our customers rely heavily on subcontractors to deliver a scope of work to deliver their project
- Our customers are looking for an efficient way to handle the services procurement process and improve the collaboration with their subcontractors

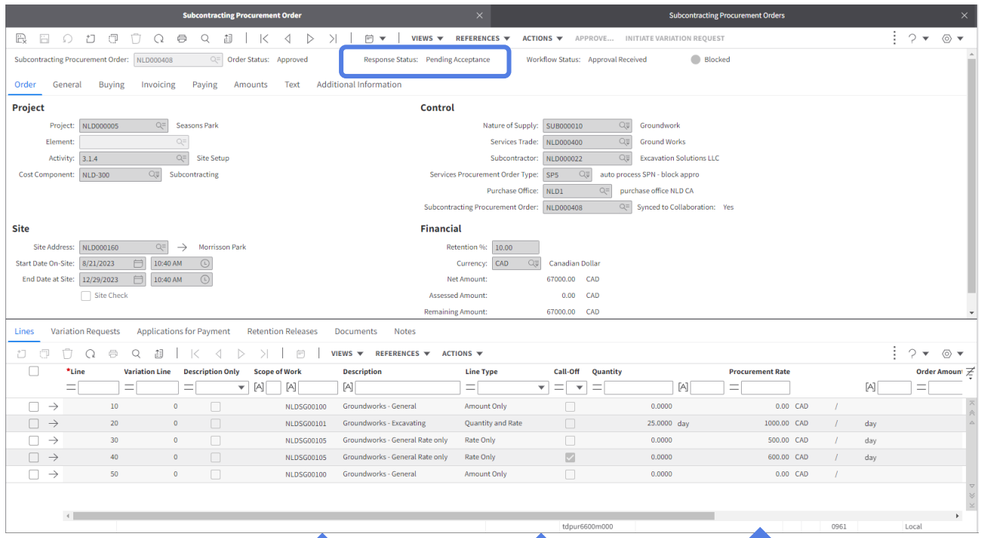
Solution

- Increased collaboration between main (LN Cloud customer) and subcontractor through the Enterprise Collaboration Portal to Review/Accept or Decline an Order (Subcontract Procurement Order).
- Allow subcontractors to accept/decline orders online (via the Portal), instead of email and telephone)
- Establish an online communication channel about orders for the main contractor and the subcontractor for asking questions and obtain clarifications

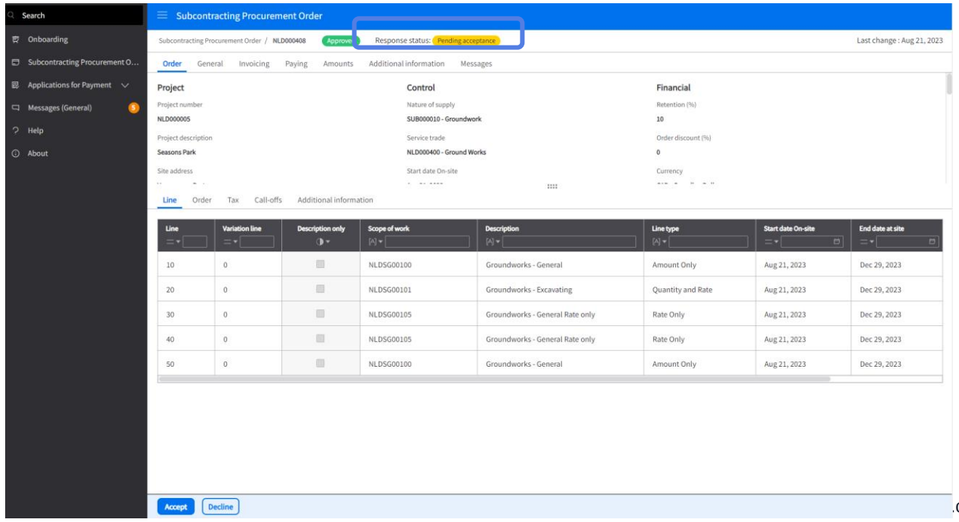
Benefits

✓ Improve the timeliness of Acceptance/Declining of an Order

✓ Ease of use for Engineering and Construction customers to work with their Subcontractors.



Customer LN Cloud



Subcontractor Portal

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Collaboration Portal – Application for Payment

Executive summary

Increased collaboration between main (LN Cloud customer) and subcontractor through the Enterprise Collaboration Portal

Solution overview

Requirement

- In project-centric industries, our customers will pay their subcontractors through a regular assessment schedule, where they expect the subcontractor to put in a claim of work delivered
- Our customers are looking for an efficient way to handle the application process and communicate with the subcontractor on its outcome

Solution

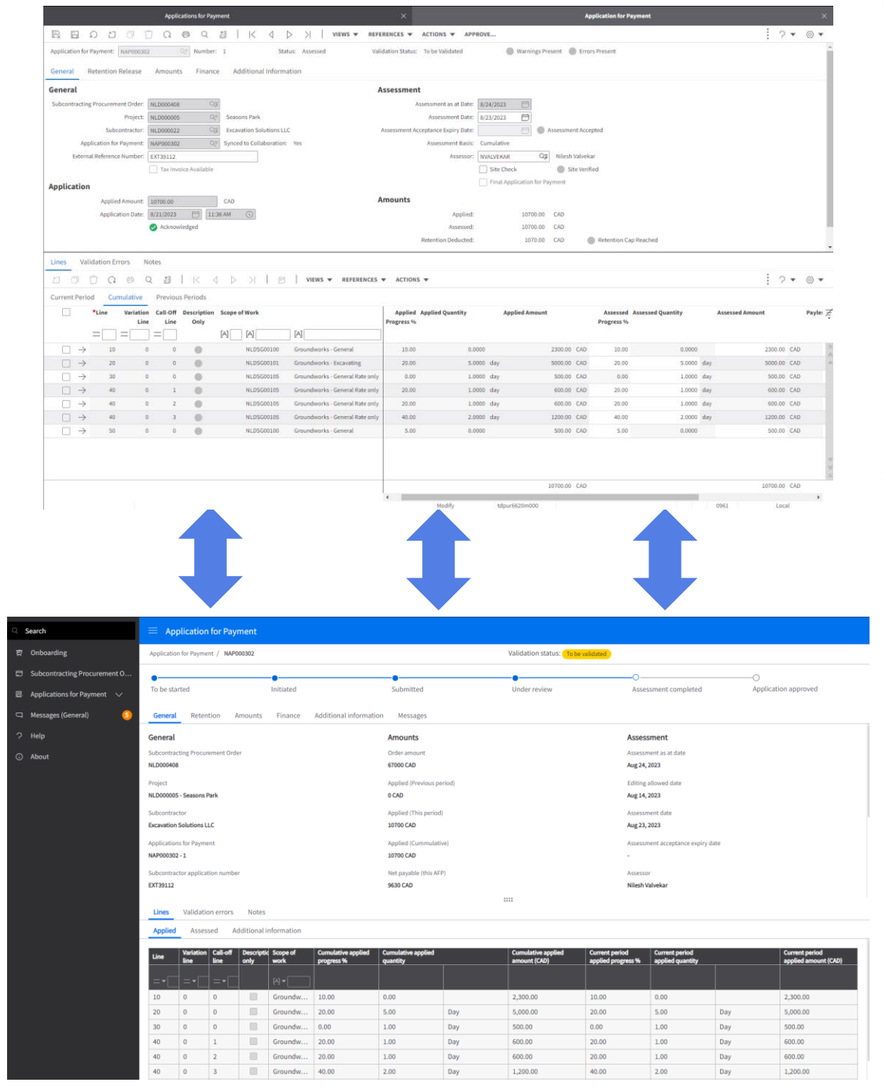
- Increased collaboration between main (LN Cloud customer) and subcontractor through the Enterprise Collaboration Portal on the payment process
- Allow subcontractors to apply online for their payment (via the Portal), instead of email and telephone
- Main contractor to review the final payment and inform subcontractor (including payless notice, if applicable)
- Establish an online communication channel about orders for the main contractor and the subcontractor for asking questions and obtain clarifications

Benefits

✓ Improve the timeliness of payment processing.

✓ Ease of use for Engineering and Construction customers to work with their Subcontractors.

✓ Full history of transactions of the assessment



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Equipment Collaboration Portal
Subcontract Procurement Order capabilities

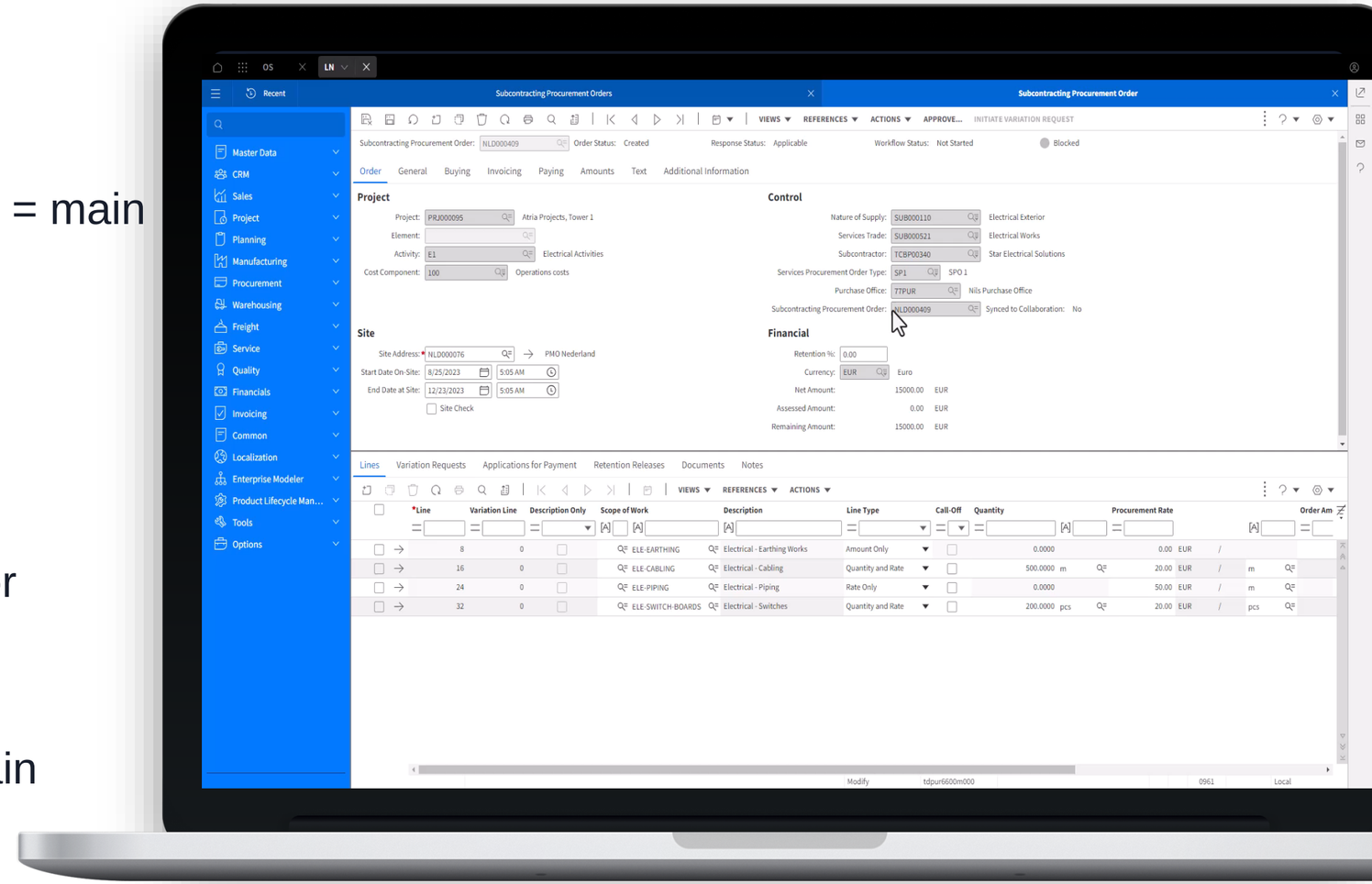
DEMO

1. Order acceptance workflow by customer = main contractor (LN Cloud)

2. Order acceptance by subcontractor (Collaboration Portal)

3. Application for Payment by subcontractor (Collaboration Portal)

4. Payment confirmation by customer = main contractor (LN Cloud)



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Discrete Enterprise

Release Highlights 2023.10

Improved UX

AI driven workspaces & operational screens

Supply chain

Network visibility

Procurement of Services

Collaboration Portal

Engineering

Deep integration of PLM

Industry depth

Engineering and Configuration to Production Execution

Intercompany

Internal rental of equipment

Global footprint

New Localizations

High volume

Flexible handling of shipment changes

Flexible Integrations

REST API framework and content

Agility

Data driven business decisions

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Discrete Enterprise

Release Highlights 2023.10 – CS IE and CS E&C

Engineering

Deep integration of PLM

- PLM for Discrete - Engineering Business Process Workbench
- PLM for Discrete - Customer Defined Fields (CDFs) in PLM workbenches
- PLM for Discrete - Support for use-up materials
- PLM for Discrete - adjustment of the BOM component view
- Integration to support project activities for PLM business processes
- PLM for Discrete - comparison of reference designators for PBOM or JSBOM
- PCS project code on PLM objects
- PLM for Discrete - electronic signature support on document

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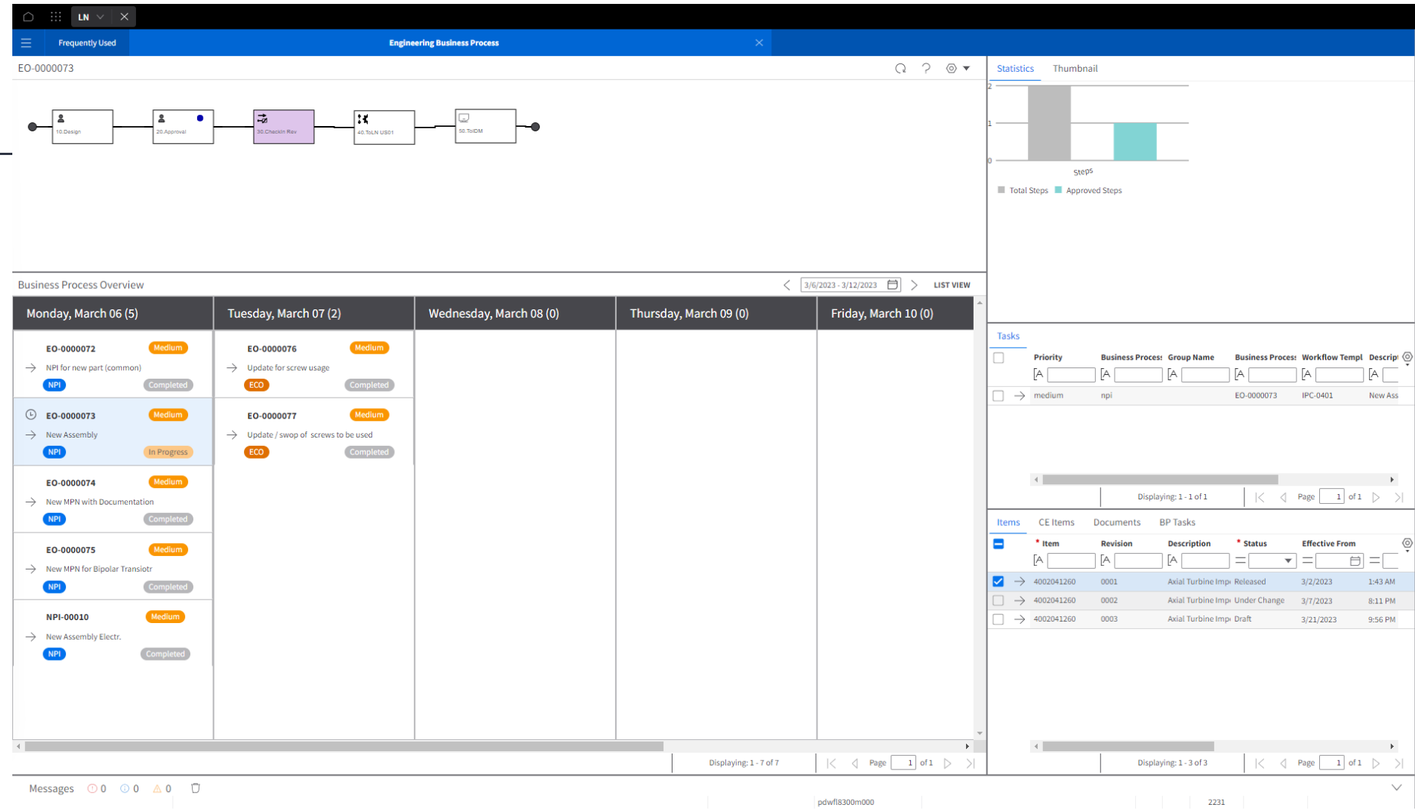
PLM for Discrete - Engineering Business Process Workbench

Executive summary

The development of this Workbench is based on both customer requirements asking for a way to manage PLM Business Processes more efficient, with less clicks and with director access to the relevant information relating to the business process.



Solution overview

Requirement

- It must be possible to see all the Business process and tasks related details in one session.

Solution

- ✓ The Engineering Business Process Workbench (pdwfl8300m000) session is added which displays all the business process and tasks related information for selected Business Process.
- ✓ The user can view the week wise details in “list view” and “card view”.

Benefits

- ✓ This new feature improves the user experience, reduced number of clicks.
- ✓ A more productive user experience: Most of the required information is available in one session to perform the operations.

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Discrete Enterprise CloudSuites

Integration to support project activities for PLM business processes

Executive summary

Capex Project and other Projects that require engineering components, can be have the engineering processes scheduled in TP-Projects and have the business processes launched (in time) by the program/project manager.

Solution overview

Requirement

- PLM-Business Process should be able to be associated to TP Project/Activity. The Concept here is that business processes under a PLM project that are associated/linked with a TP Project are visible to the TP Project.

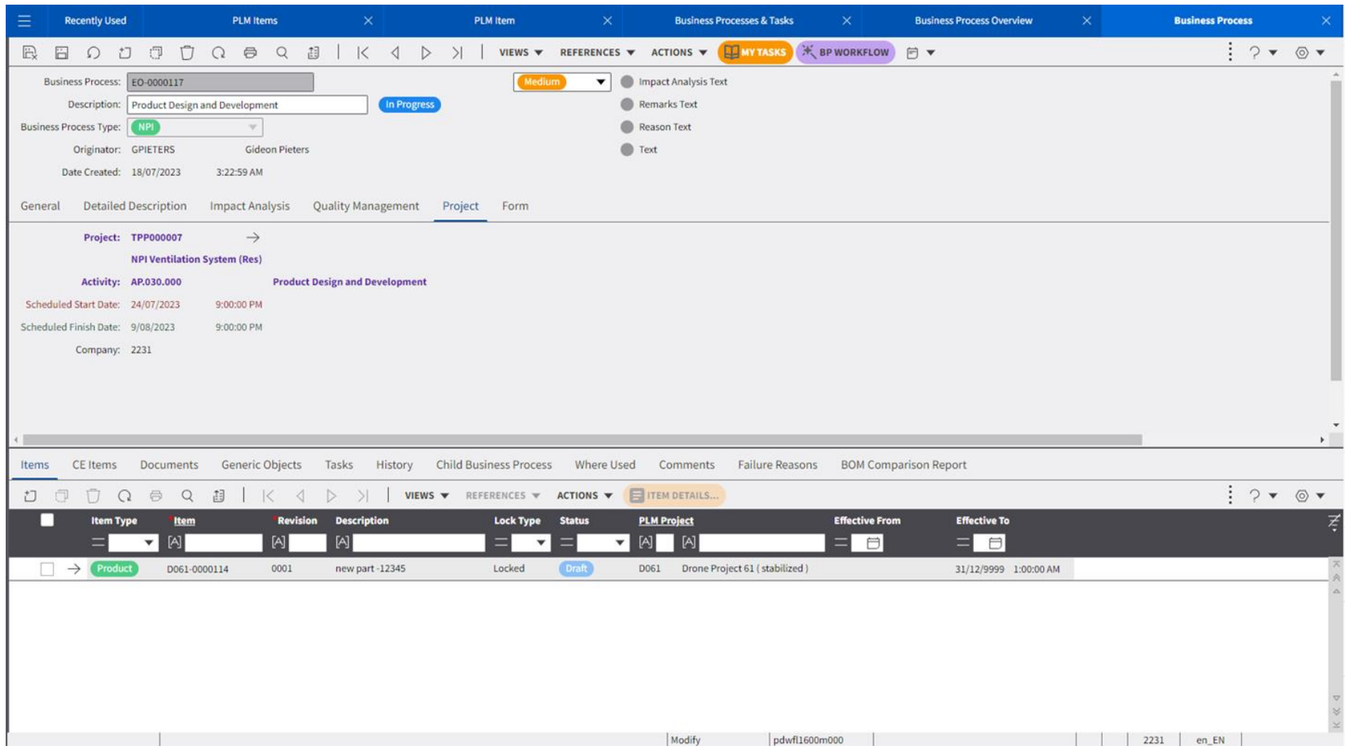
Solution

✓ Standard activities can be linked to PLM Workflow templates. This is done so that when using these activities on a Project Schedule, PLM Business Processes can be scheduled and Launched from TP-Projects

Benefits

✓ Integrated project planning across domains

✓ Vision driven enhancement: Full visibility to the Project Manager of Engineering Business Process as part of the overall Project.



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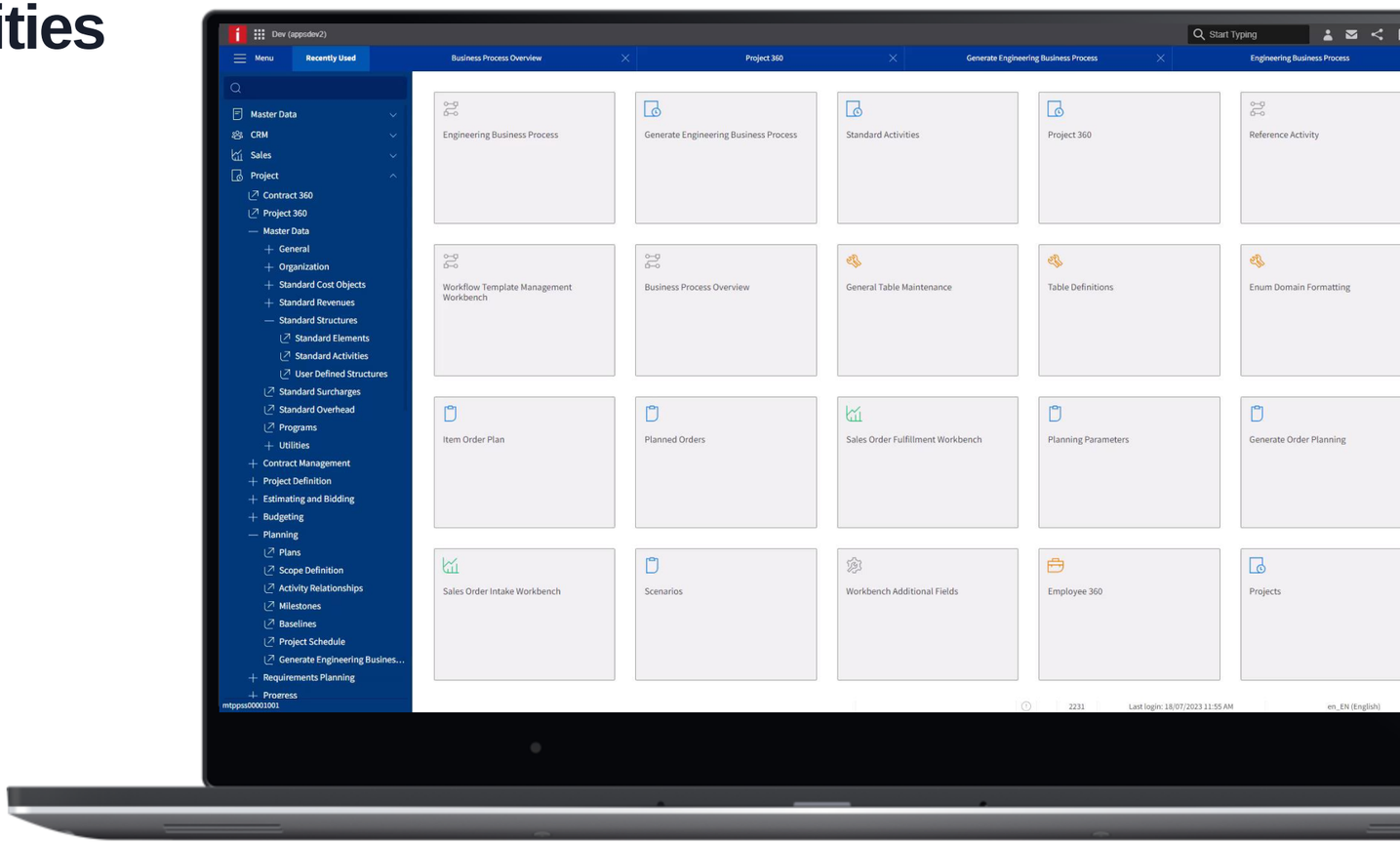
Integration to support project activities for PLM business processes
(vision driven enhancement)

Video Demo



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PLM for Discrete - comparison of reference designators for PBOM or JSBOM

Executive summary

It is important for engineer to compare design with current logistical structures. With this functional enrichment not only are the differences in the Bill of Materials between domains checked but also the reference designators.

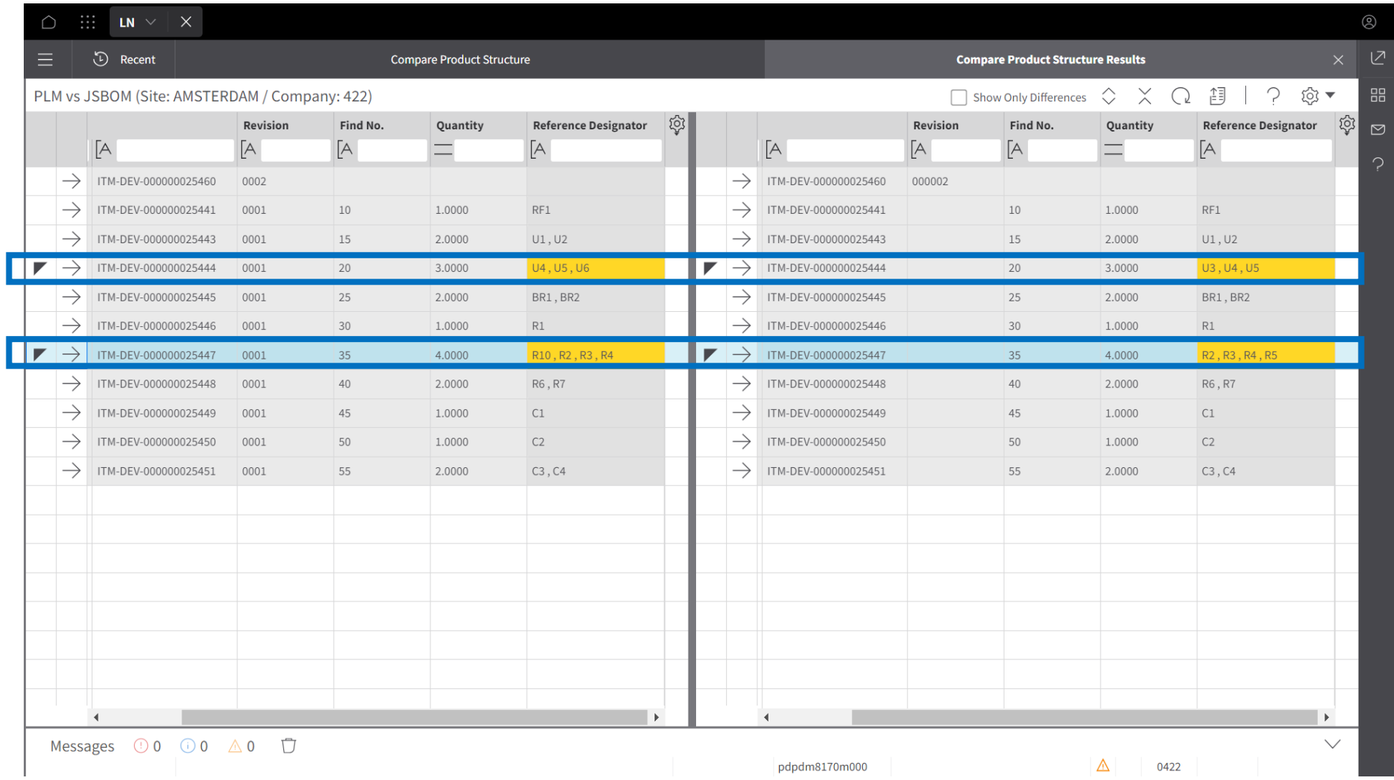
Solution overview

Requirement

- It must be possible to compare the reference designator of PLM BOM with PBOM or JS-BOM.

Solution

- ✓ Compare product structure functionality has been enhanced to compare the reference designator of PLM BOM with PBOM or JS-BOM.



Benefits

- ✓ The visual tool is an efficient way to detect differences.
- ✓ Using the Compare Product Structure functionality, user time will be saved.
- ✓ Potential error can be avoided using the Compare Product Structure.
- ✓ Improve productivity

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PLM for Discrete - electronic signature support on document

Executive summary

Whilst a business process can be subject to an electronically signed approval step (or steps). The drawings which are send to IDM as result of that process have no indication of the signatures to that process. A new audit report is made which – as part of the business process – can be merged with the PDF of the drawing indicating who has signed for the approval of the change process.

Solution overview

Requirement

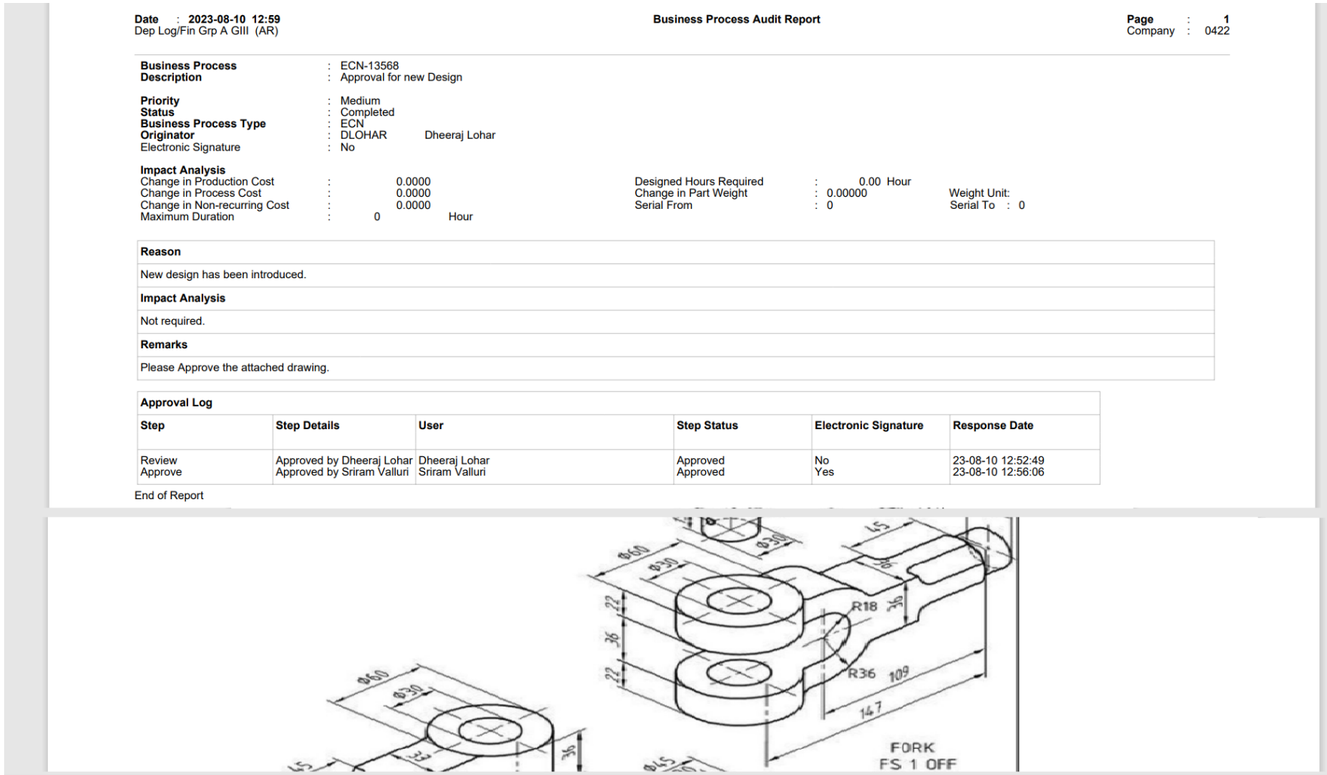
- It must be possible to add the business process approval information inside the PDF document that is sent to IDM.

Solution

- ✓ Through Document Output Management in LN, business process approval information can now be added to the PDF document, which is sent to IDM through the business process step.
- ✓ When the document is sent manually to IDM, business process information is not added to the PDF document

Benefits

- ✓ Electronic signature offers a modern way of confirming the signatory's identity.
- ✓ It is fast and cost effective.



Date : 2023-08-10 12:59
Dep Log/Fin Grp A GIII (AR)

Business Process Audit Report

Page : 1
Company : 0422

Business Process : ECN-13568
Description : Approval for new Design

Priority : Medium
Status : Completed
Business Process Type : ECN
Originator : DLOHAR Dheeraj Lohar
Electronic Signature : No

Impact Analysis
Change in Production Cost : 0.0000
Change in Process Cost : 0.0000
Change in Non-recurring Cost : 0.0000
Maximum Duration : 0 Hour
Designed Hours Required : 0.00 Hour
Change in Part Weight : 0.00000 Weight Unit:
Serial From : 0 Serial To : 0

Reason
New design has been introduced.
Impact Analysis
Not required.
Remarks
Please Approve the attached drawing.

Approval Log

Step	Step Details	User	Step Status	Electronic Signature	Response Date
Review	Approved by Dheeraj Lohar	Dheeraj Lohar	Approved	No	23-08-10 12:52:49
Approve	Approved by Sriram Valluri	Sriram Valluri	Approved	Yes	23-08-10 12:56:06

End of Report

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Discrete Enterprise

Release Highlights 2023.10

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AI driven workspaces & operational screens

Supply chain

Network visibility

Procurement of Services

Collaboration Portal

Engineering

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Intercompany

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New Localizations

High volume

Flexible handling of shipment changes

Flexible Integrations

REST API framework and content

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Data driven business decisions

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Discrete Enterprise

Release Highlights 2023.10 – CS IE and CS E&C

Industry depth

Engineering and Configuration to Production Execution

- CPQ: Enhaned CPQ – LN Integration
- CPQ: Multicompany Support for Large Enterprise Organizations
- CPQ: Import/Export Functionality in the Configuration Designer
- CPQ: User Path Enhancements
- CPQ: New OS Portal: Homepage Widgets

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CPQ: Enhanced CPQ – LN Integration

Executive summary

Infor LN user access to CPQ has been simplified to provide streamlined quote and order user experience. Additionally, management of LN user access to CPQ has been extended to LN system administrators.

Infor LN Administrators can now manage LN-user access to CPQ environments.

Solution overview

Requirement

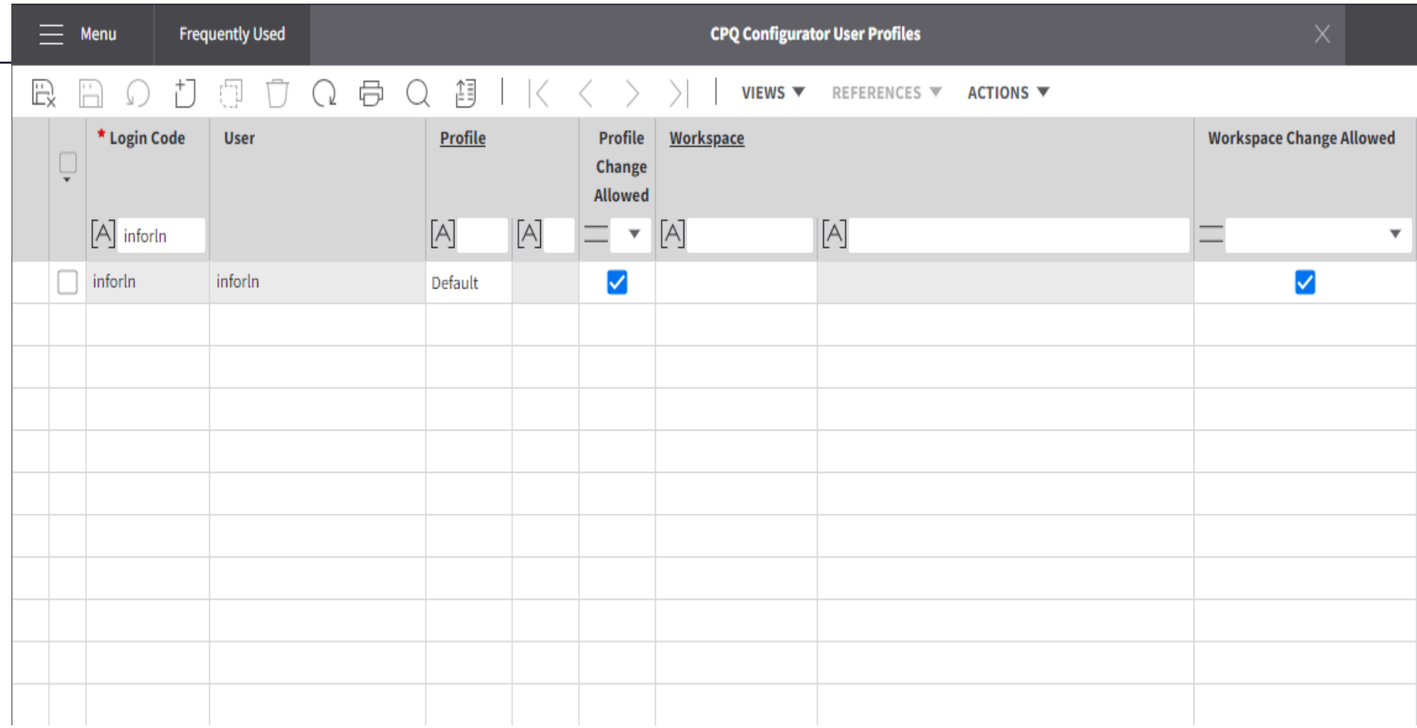
- Allow LN-users to switch between CPQ environments, i.e. Test, QA, Production.

Solution

- ✓ Newly created Publish Security Roles page to assign user profile to either one or multiple workspaces by default.
- ✓ Allow user to navigate between two companies as per job requirement, if access granted.

Benefits

- ✓ Access to CPQ can be aligned with the user's business function, i.e. Create quotes and orders.
- ✓ is controlled by an administrator only per job specific needs and privileges.
- ✓ High level of data security and integrity due to limited access to need to know only information.
- ✓ Easy modification of user's workspaces as per job requirements ensures no loss of productivity and ease of navigation.
- ✓ Ensures accurate auditing and bypasses user having full access to the workspaces.



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CPQ: Multicompany Support

Executive summary

CPQ has made it faster and easier to define, publish and maintain configurable products to reflect business requirements such as multiple divisions, product lines, brands, etc.

Solution overview

Requirement

- Organize groups of products to reflect business needs like product lines, brands, divisions, company(s), etc.
- Provide a security model to assign configuration modelers to product groups.

Solution

- ✓ Introducing “Company” to organize and manage groups of products like product lines, brands, divisions, company(s), etc.
- ✓ Creation of a Company Admin Role to manage access to different product groups.

Benefits

- ✓ Simplified configuration management using focused product groupings instead of a single monolithic group containing all products.
- ✓ A single CPQ deployment supporting "any" company structure.
- ✓ Define, publish and manage configurable products at the pace that supports the business strategies.

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Discrete Enterprise

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User Group meeting - Oslo

Production Execution - Factory Track and Infor MES

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Discrete Enterprise

Release Highlights 2023.10

Industry depth

Engineering and Configuration to Production Execution

Factory Track

- Support for Multi-Site
- Support for Depot Orders
- Micro-routing and Process Variables (Tests)
- Android App for Time Track

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Support for Multi-site

Executive summary

Expands LN's concept of multi-site structure to Factory Track, allowing more precise management and segregation of data based on geographical locations (sites).

Solution overview

Requirement

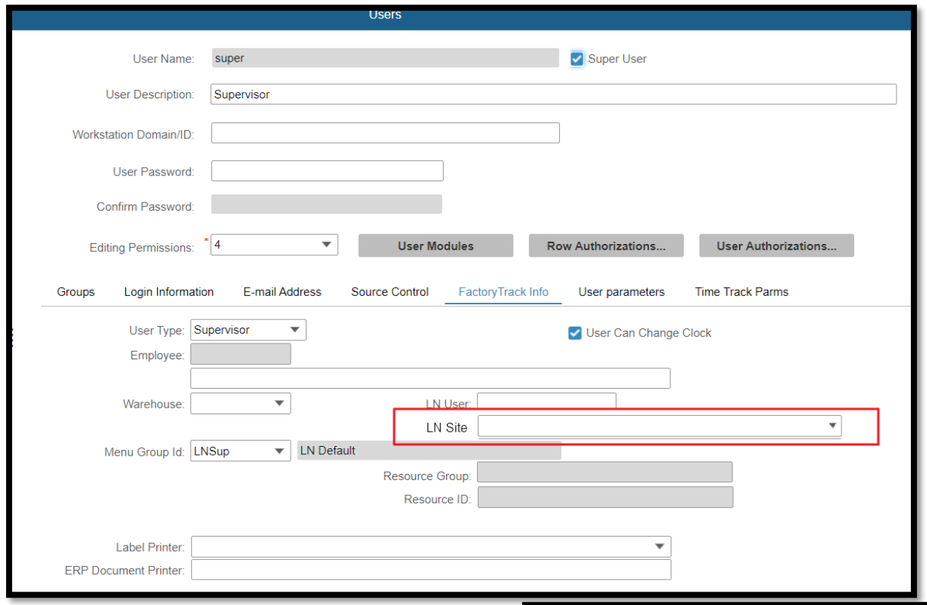
- More effectively manage and retrieve information at site-specific levels for logistic companies across multiple geographical locations, ensuring data relevancy and refined data access

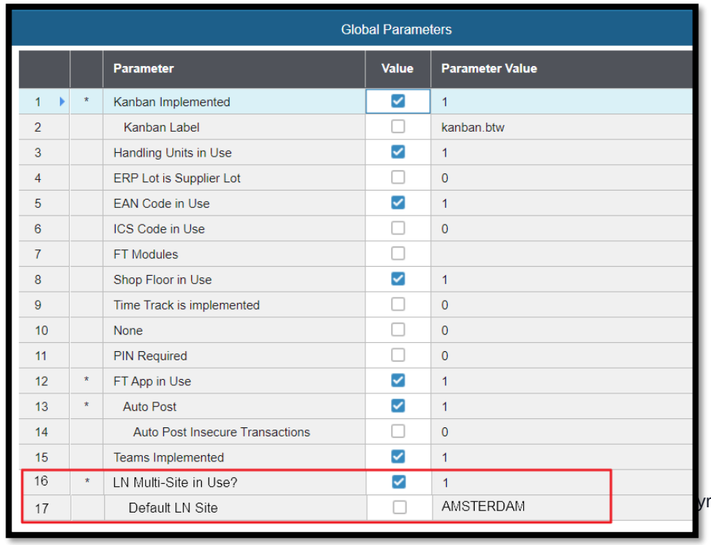
Solution

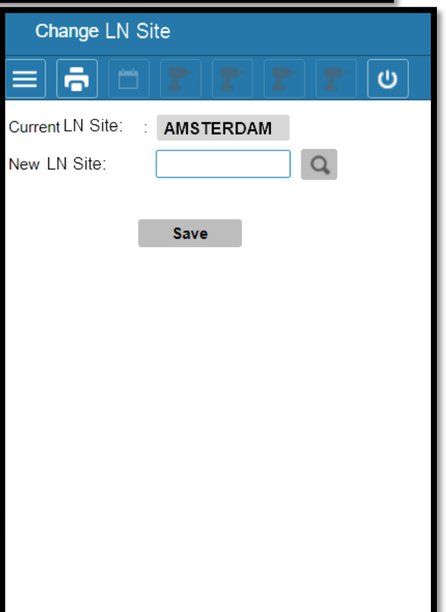
- By Implementing the LN Multi-site concept in Factory Track, users are linked to specific sites. Ensuring data relevancy to operators and allowing the possibility of changing sites when necessary.

Benefits

- ✓ Data visibility will be site-specific, increasing efficiency and reducing the possibility of errors.
- ✓ While users are primarily associated with a specific site, the option to switch sites is available, ensuring flexibility for special cases and exceptions.







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Support for Depot Orders

Executive summary

Allows an operator to view the details of the activity in Shop Floor and allows quantities to be reported and activities to be called complete from within Shop Floor.

Solution overview

Requirement

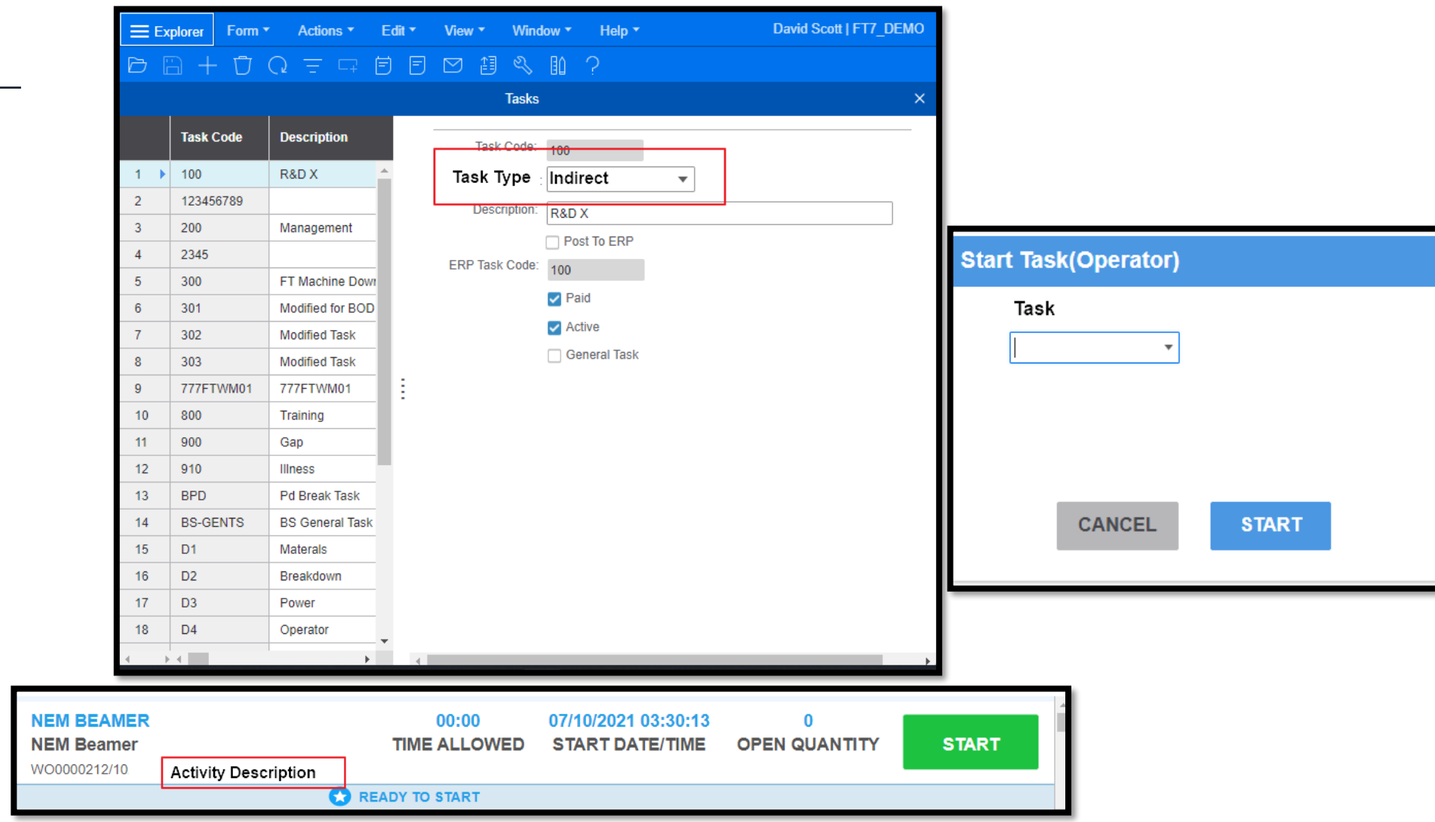
- The Factory Track Depot Order capture process needs to integrate with the LN Depot Order labor reporting processes

Solution

- Improvements to the Shop Floor module will ensure Depot Orders are handled more efficiently, leading to better management and tracking of service tasks and activities.

Benefits

- ✓ Operators will experience a more intuitive and efficient way to report quantities and complete activities
- ✓ A new Task Details form will provide operators with an enhanced overview of an activity, including associated tasks, routing, resources, materials, and documents.



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Micro-routing and Process Variables (Tests)

Executive summary

Provides production operators the ability to view operation steps, detailed instructions, and the ability to enter critical process variable information within the task details form.

Solution overview

Requirement

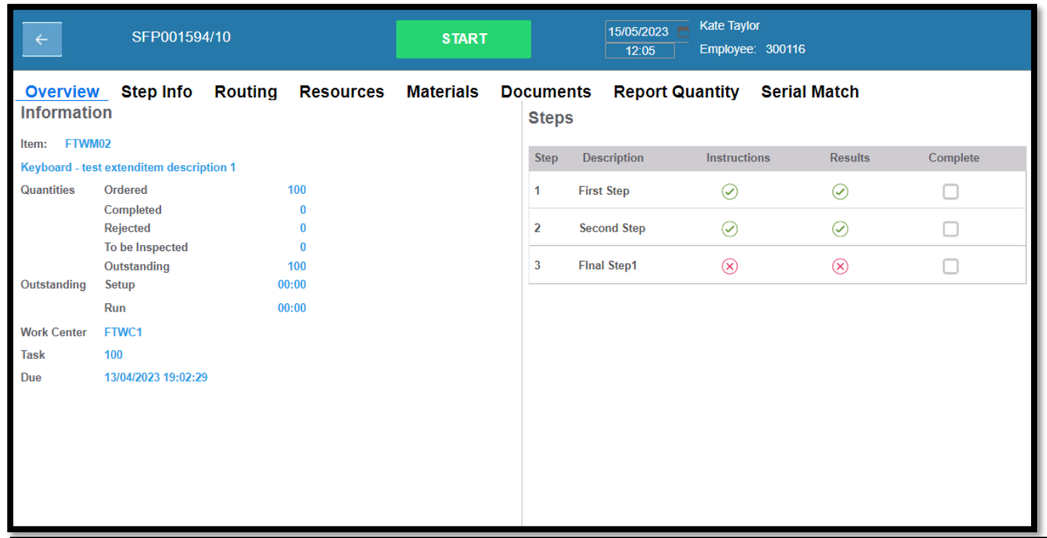
- Factory Track Shop Floor needs to integrate with LN Micro-routing and Process variables to allow production operators to see their operations at a more detailed step level and provide the ability to report process information

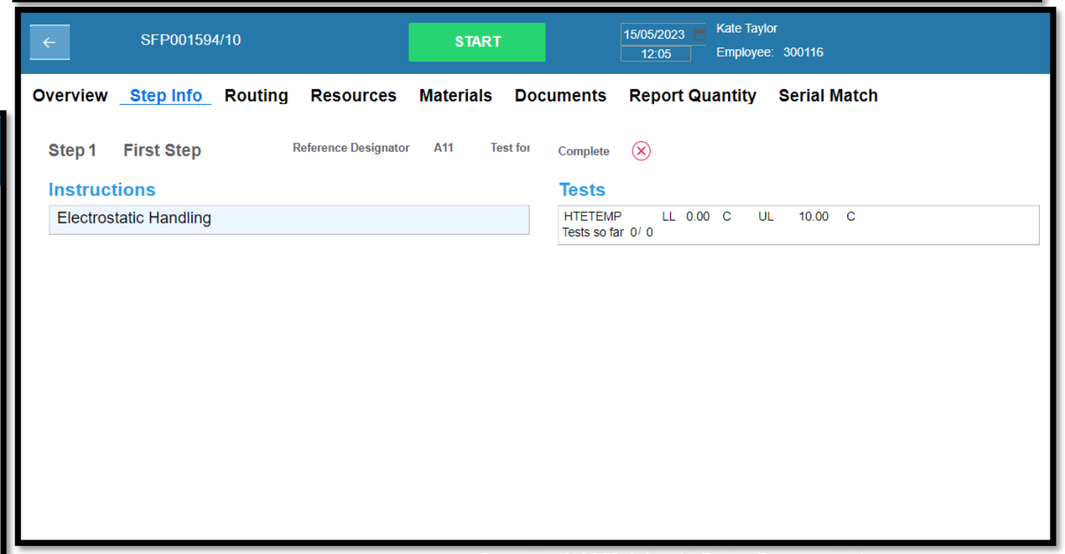
Solution

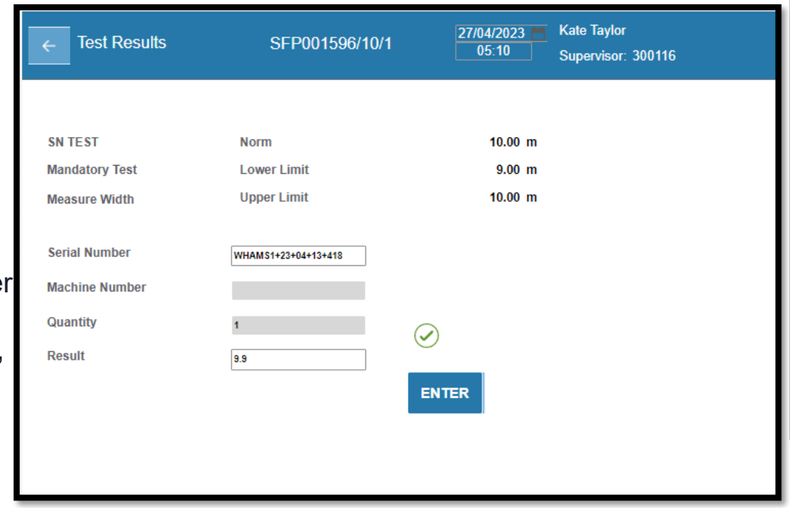
- Improvements to Shop Floor will ensure operators using micro-routing and process variables are able to perform their production activities at a more detailed step level with access to associated instructions and process variable tests. Resulting in more granular and detailed reporting capabilities.

Benefits

- ✓ Micro-routing allows operators the ability to see their operations at a more detailed step level.
- ✓ Tests allow operators to collect important step-level process information, whether it's a lower or upper limit, of various process variables like temperatures, dimensions, or pressures.







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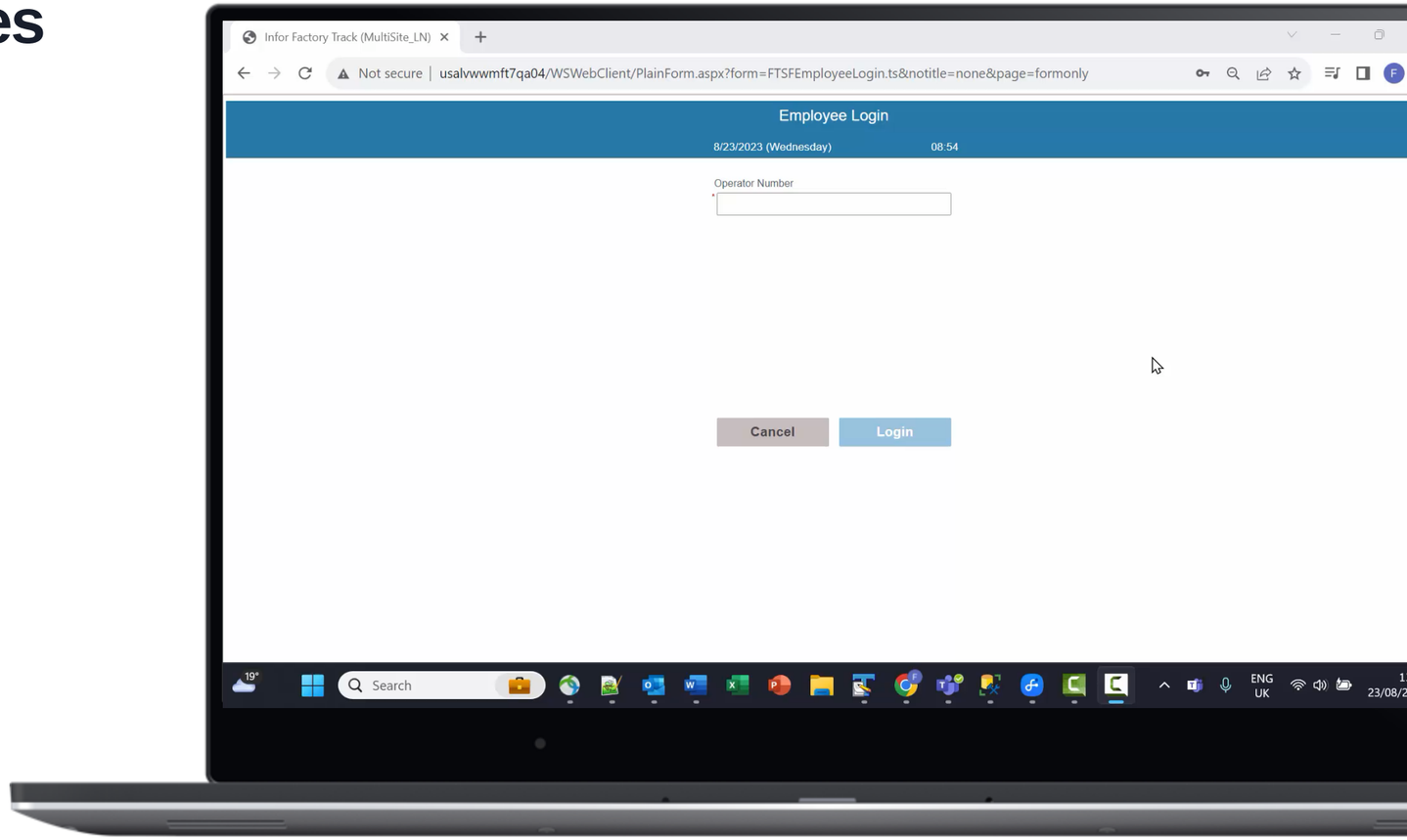
Discrete Enterprise CloudSuites

Micro-routing and Process Variables (Tests)

Video Demo



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Android App for Time Track

Executive summary

The new App for Time Track revamps the current time and attendance terminal/kiosk experience offering with a native android experience that is more responsive and performant.

Solution overview

Requirement

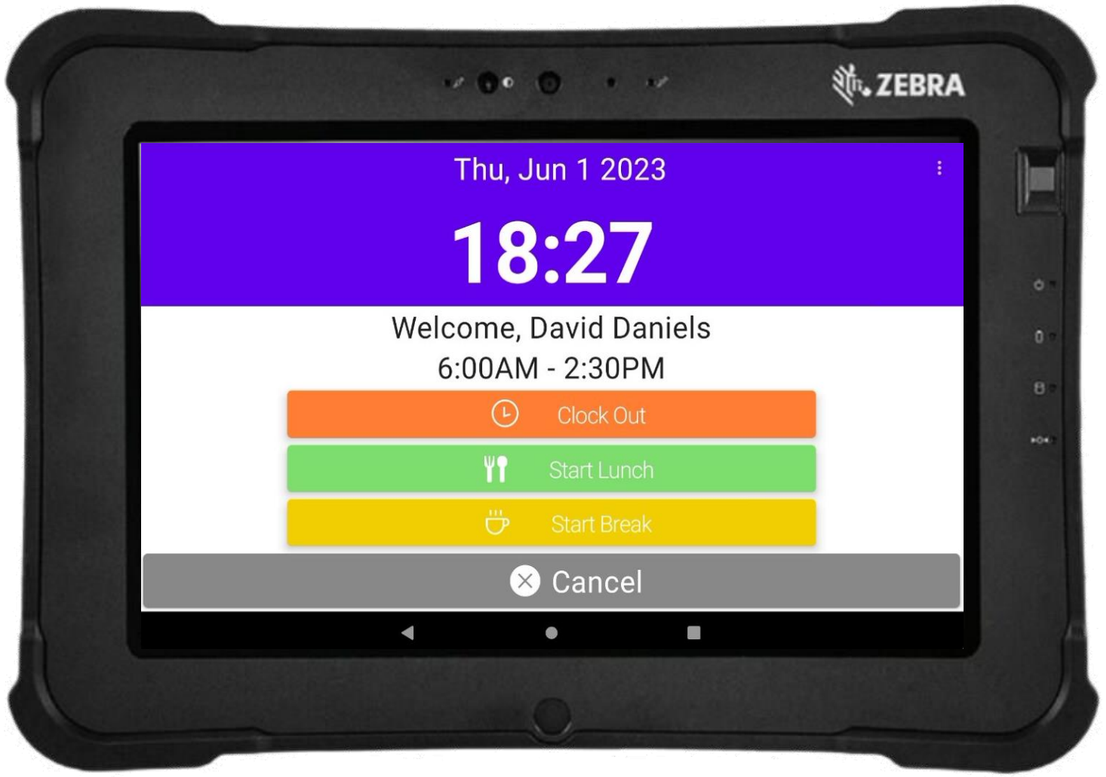
- Operators and plant floor personnel often perform time and attendance transactions at set times. Whether it's clocking in for the day or going to lunch. These set times lead to operators queuing to perform time and attendance transactions.

Solution

- By using the Native Time Track app, operators will experience an improved touchscreen experience with an improved responsive touch and quicker transaction times.

Benefits

- ✓ Improved dynamic resizing and touch responsiveness allows for smooth navigation
- ✓ Optimized for performance with an elimination of the need to restart or re-login during MT maintenance windows



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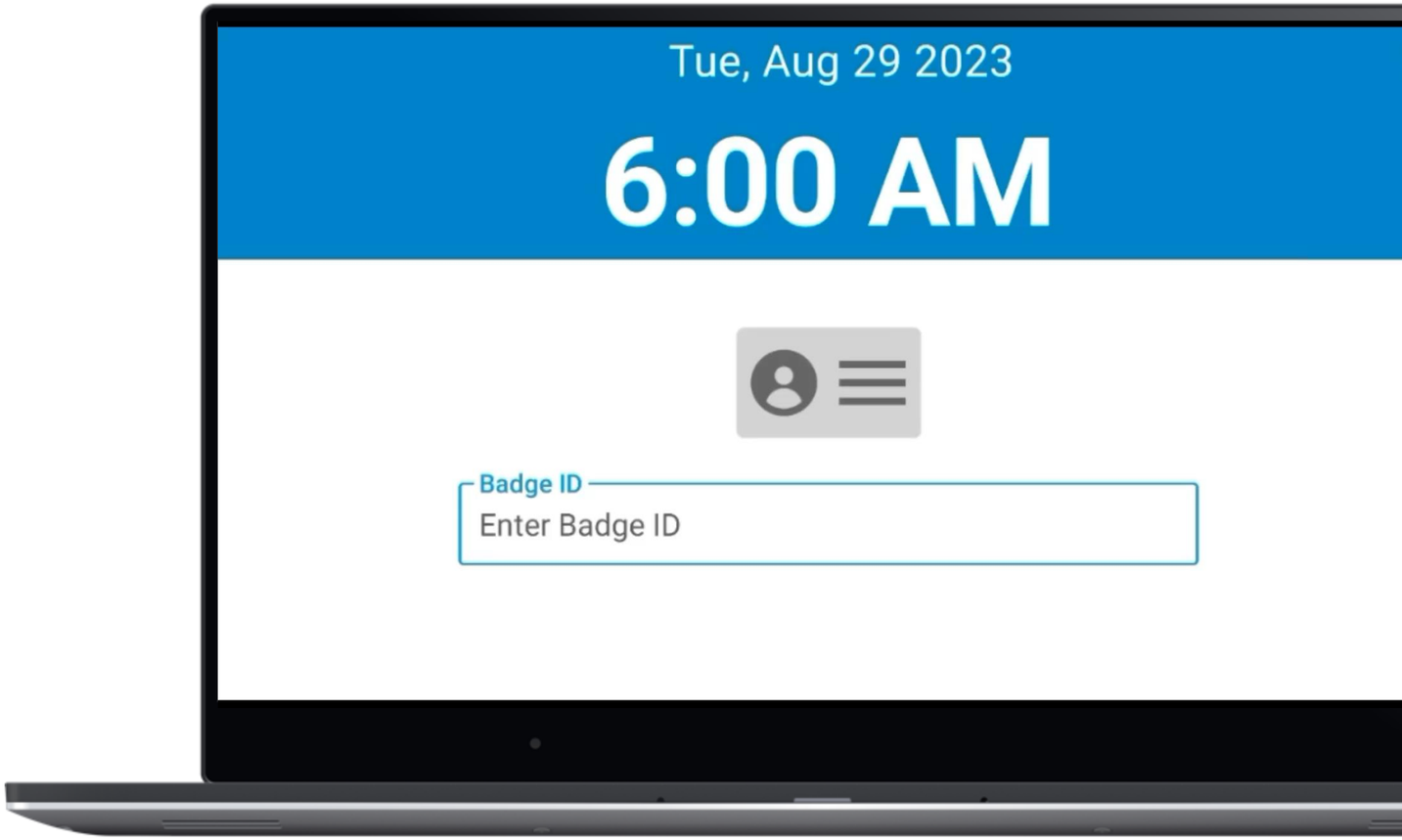
Discrete Enterprise CloudSuites

Android App for Time Track

Video Demo



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User Group meeting - Oslo

Production Execution - Factory Track and Infor MES

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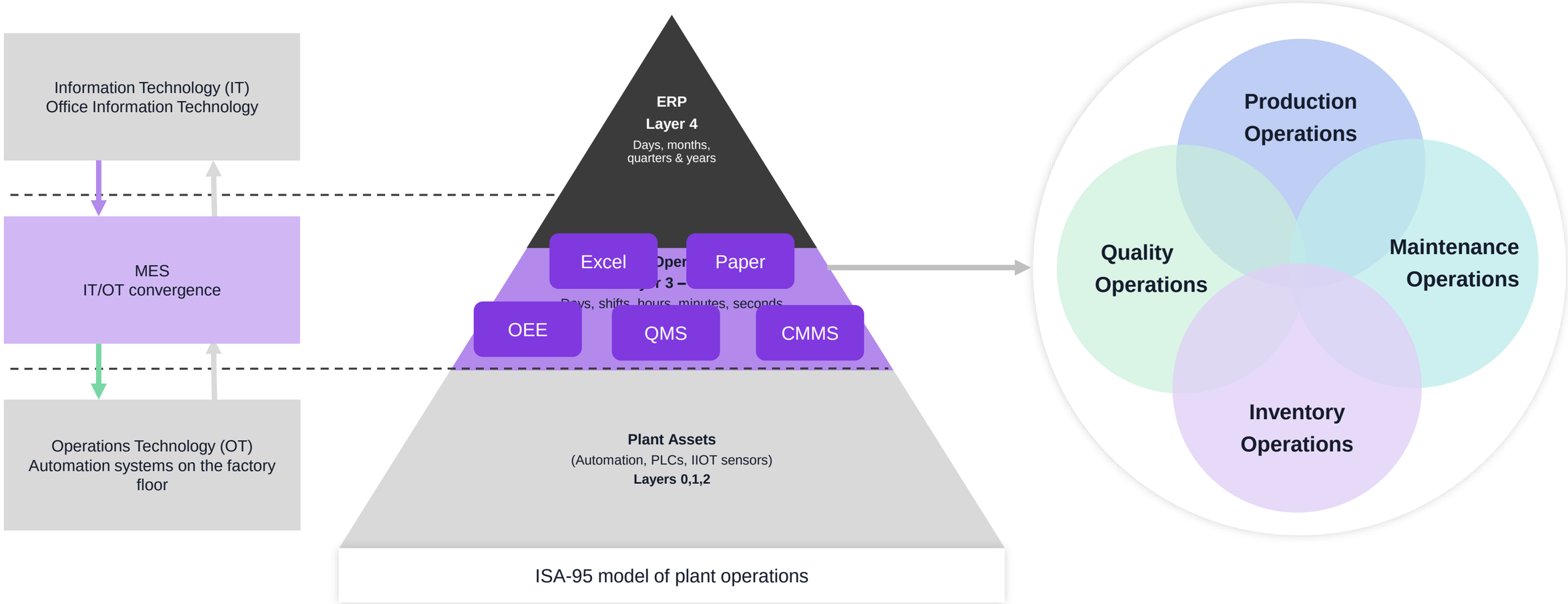
ISA 95

What is MES?



ISA-95 model of plant operations

ERP is retracting back to core functions.
MES can take some of the complexities out of ERP, simplifying the process model.

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Why is MES important?

How does this benefit our customers?

MES supports our customers on their DX journey

- MES is the foundation of smart manufacturing.
- MES removes legacy applications, and paper, coordinating and controlling the manufacturing process.
- Puts operations in control, through visibility and a wealth of data at their fingertips.

MES complements our composable ERP strategy

- MES removes the need for ERP extensions on the shop floor.
- MES integrates with manufacturing systems, equipment, and metrology.
- Integrates with ERP/CloudSuite.
- Rich data source for Infor OS.

Infor MES is designed for operations

- Empowering the operator.
- Systematizes business processes.
- Real-time visibility of operations.
- Across all manufacturing modes.

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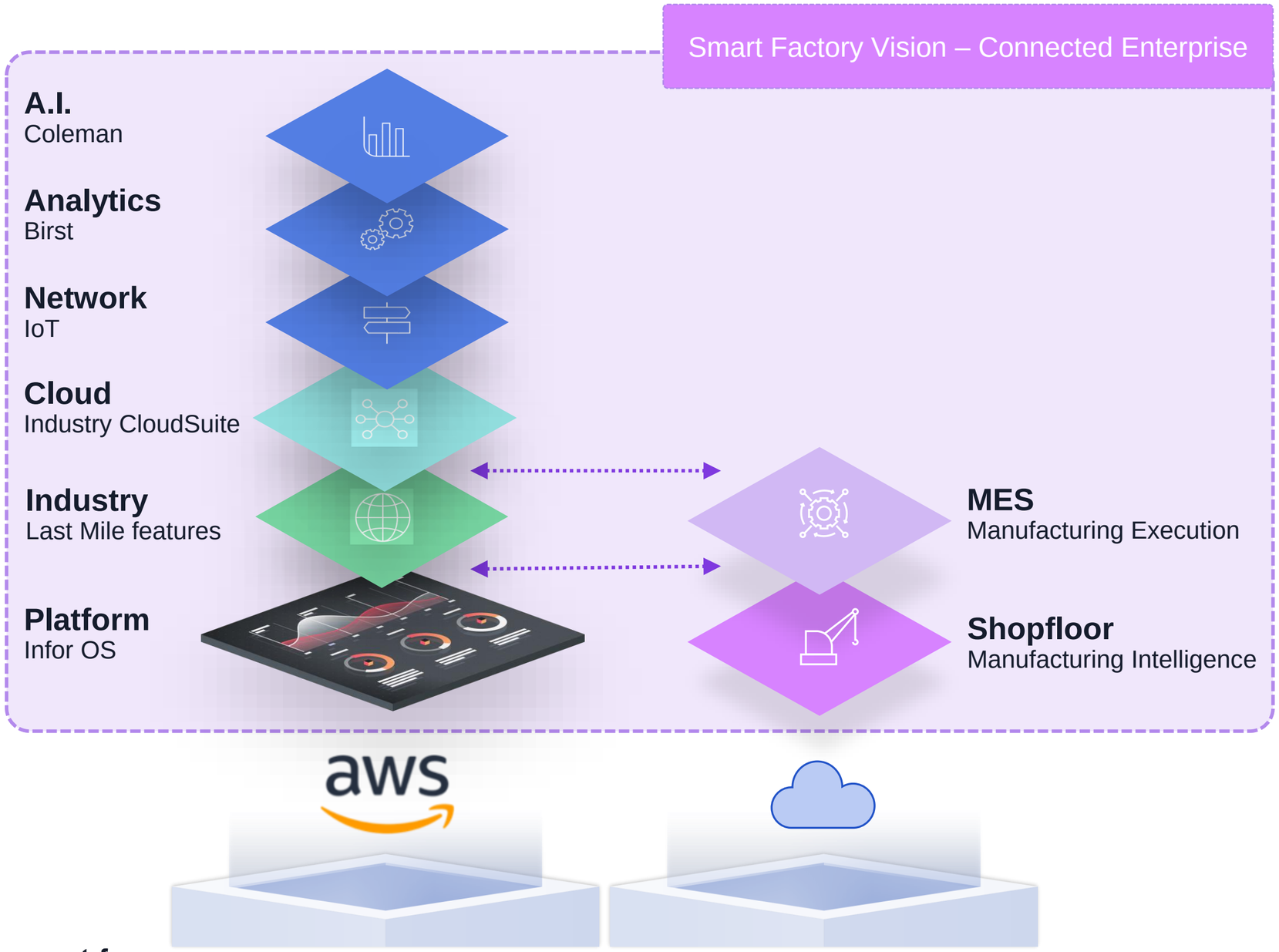

- **One Connected Intelligent Solution:** Manufacturing Operations Management integrated with Infor ERP & PLM, enriched with Infor AI/ML & Analytics
- **Real-time automatic data capture:** Automatic shopfloor data capture direct from plant equipment, sensors, metrology equipment, and 3rd party systems.
- **Enterprise MES:** Connecting your manufacturing landscape globally for standardization, benchmarking. Helping you to define a global standard.
- **Decoupled from CloudSuite:** 24x7 resilience and low-latency on your mission-critical MES
- **Remove complexity from ERP:** MES is designed for manufacturing operations, leverage its capabilities to remove complexity from ERP.

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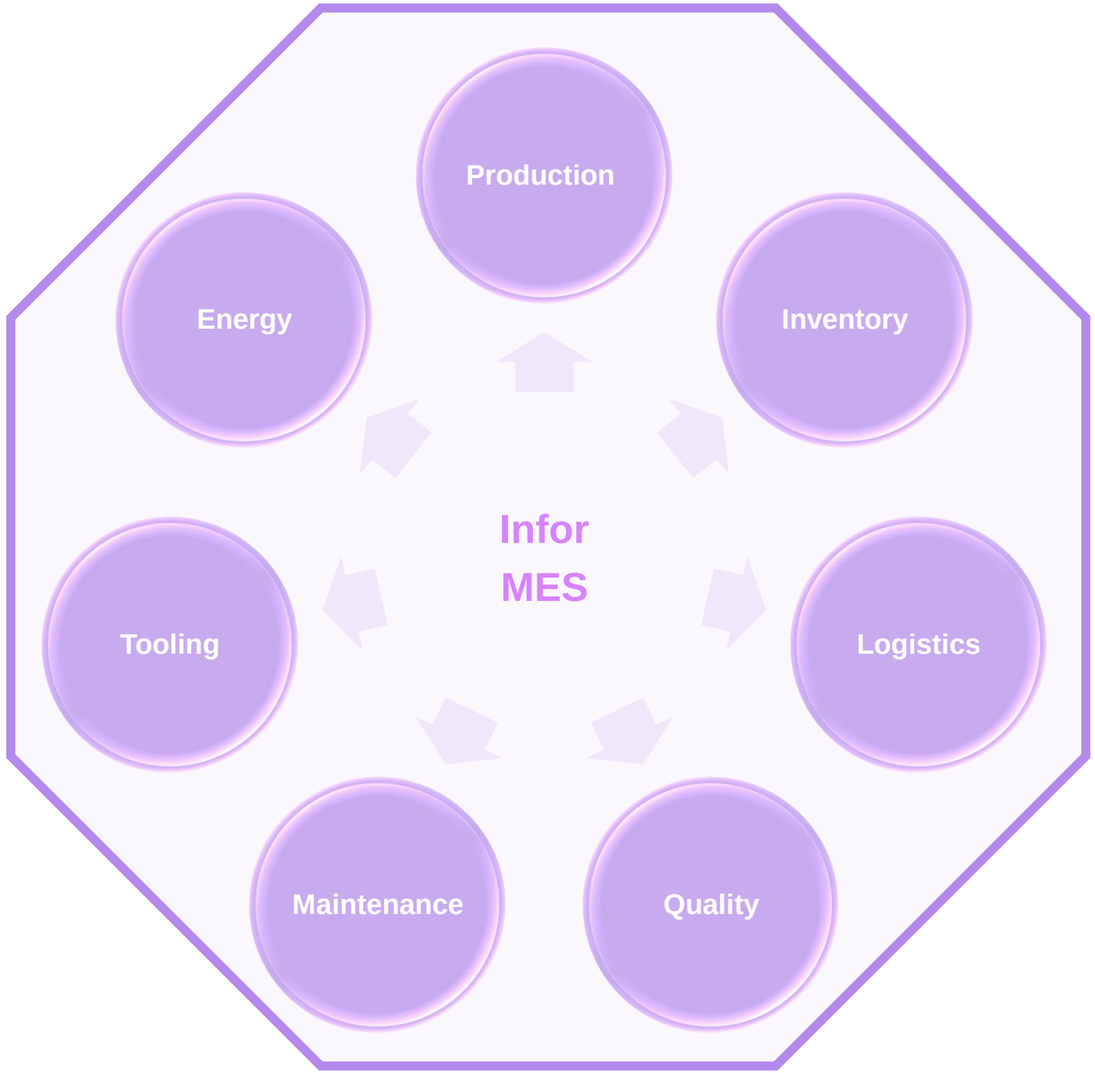
A single application for all operational needs



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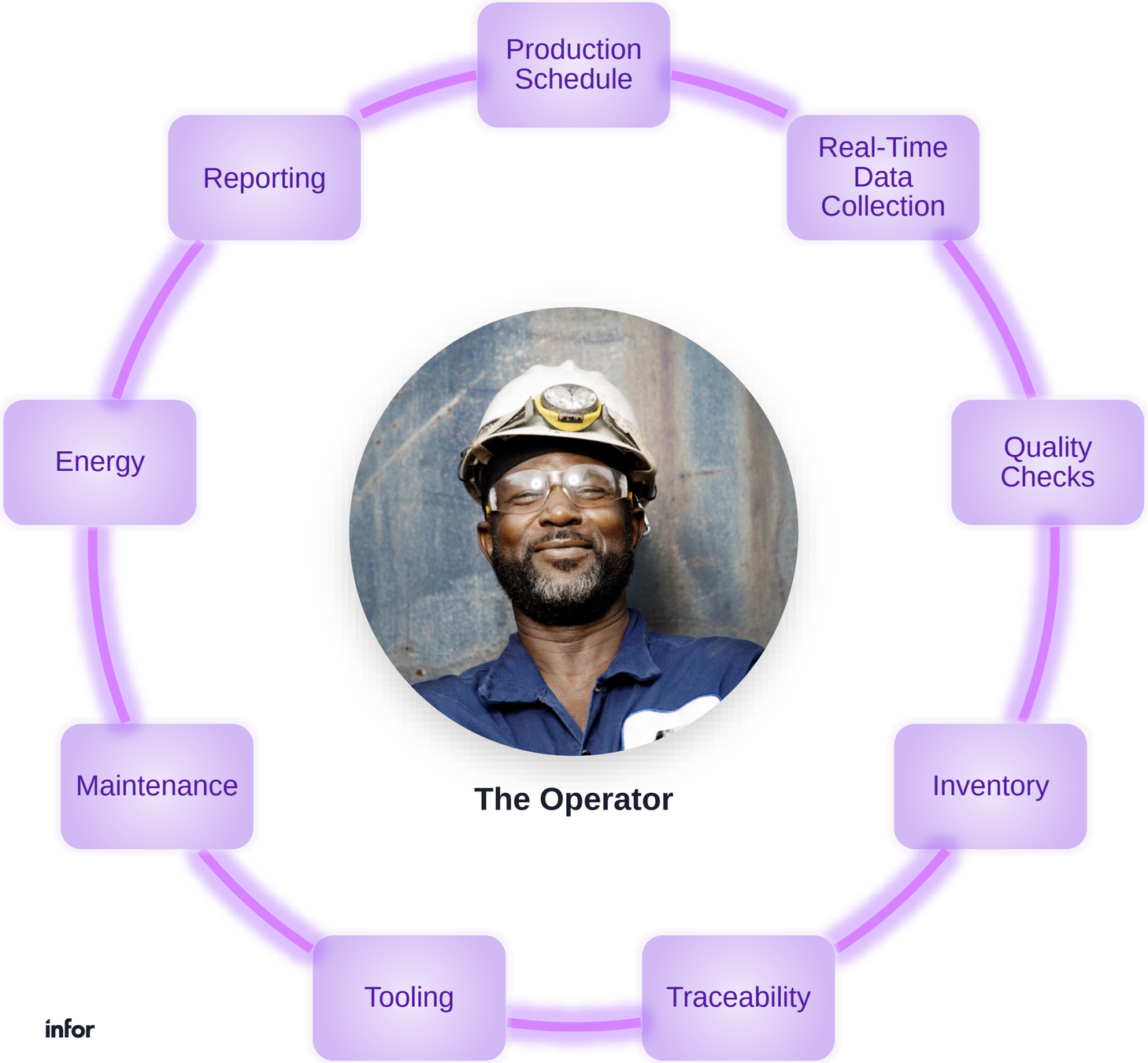

Operators are the heart of manufacturing operations

- Increasingly they are responsible for:
  - Meeting the schedule
  - Production volumes
  - Production performance
  - Product Quality
  - Asset care
- Historically this has been non-existent or fragmented.
- Infor MES provides everything they need on 1 screen.
- In a single connected application.
- Empowering operators
- Increasing productivity

PC, Touchscreen, Tablet, Mobile, Scanner

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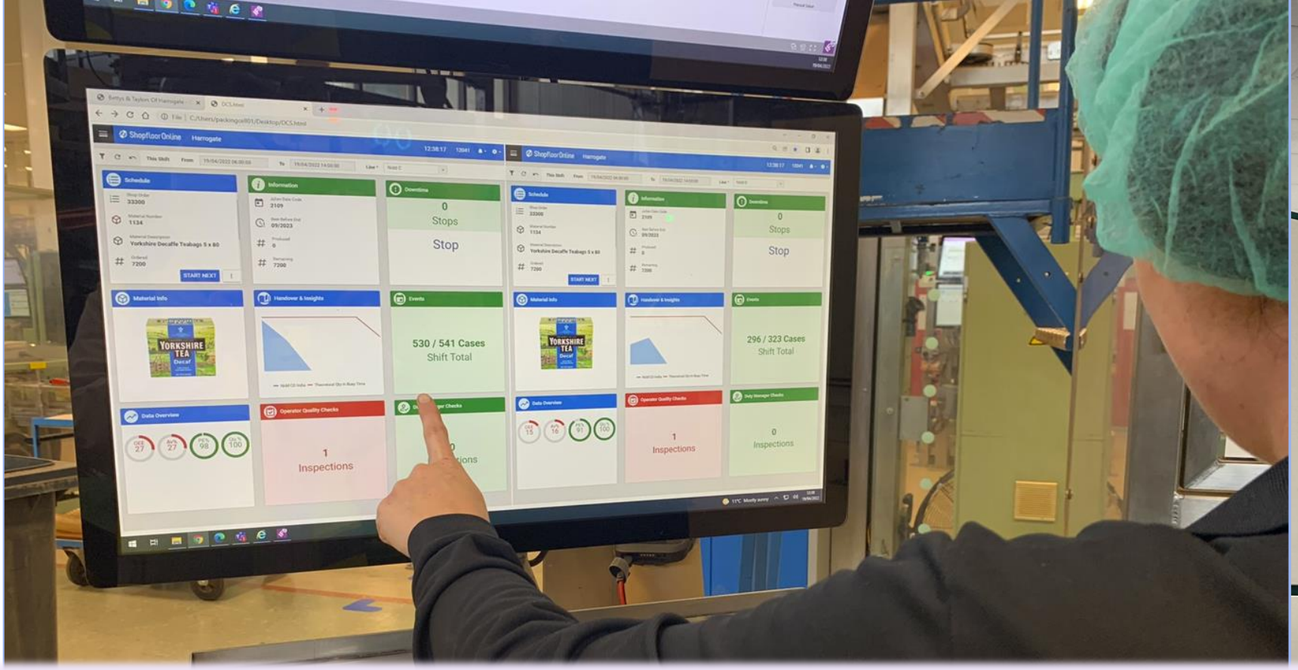
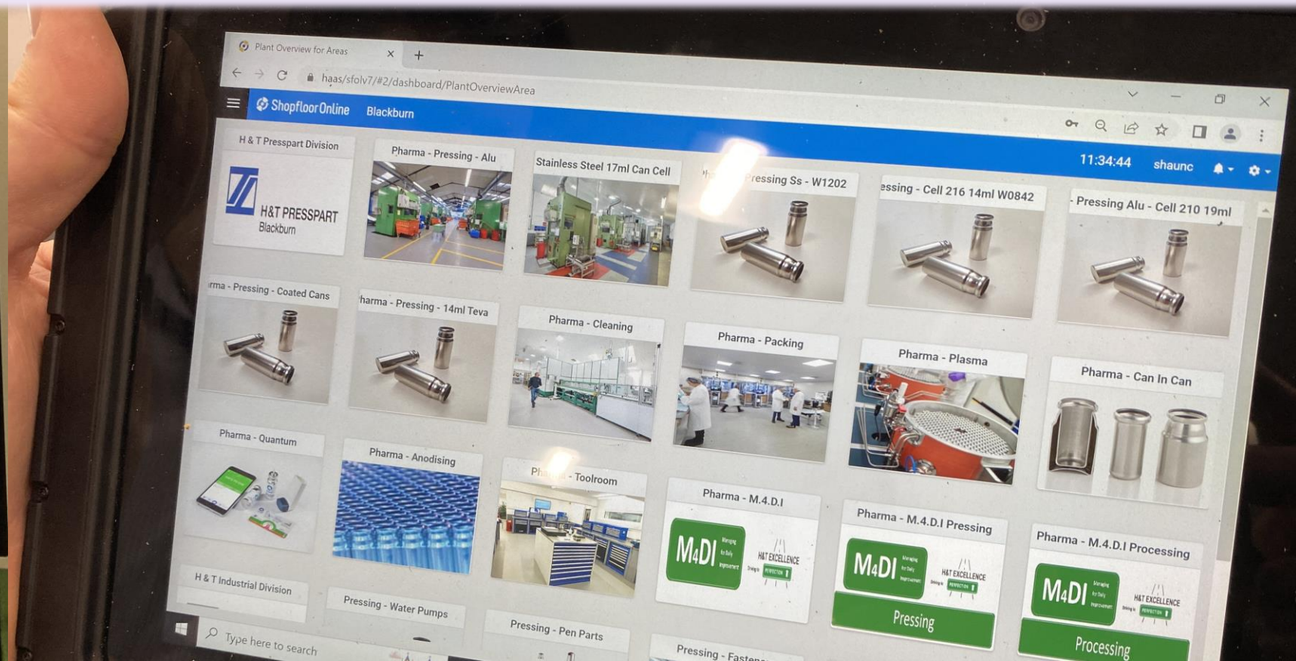
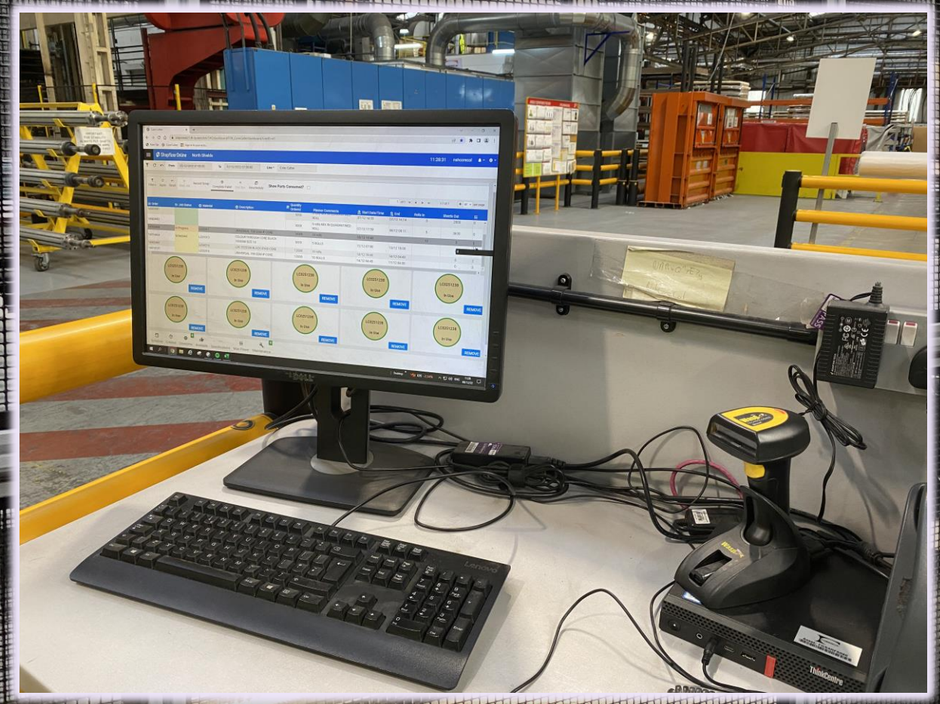


The Paperless Shop Floor



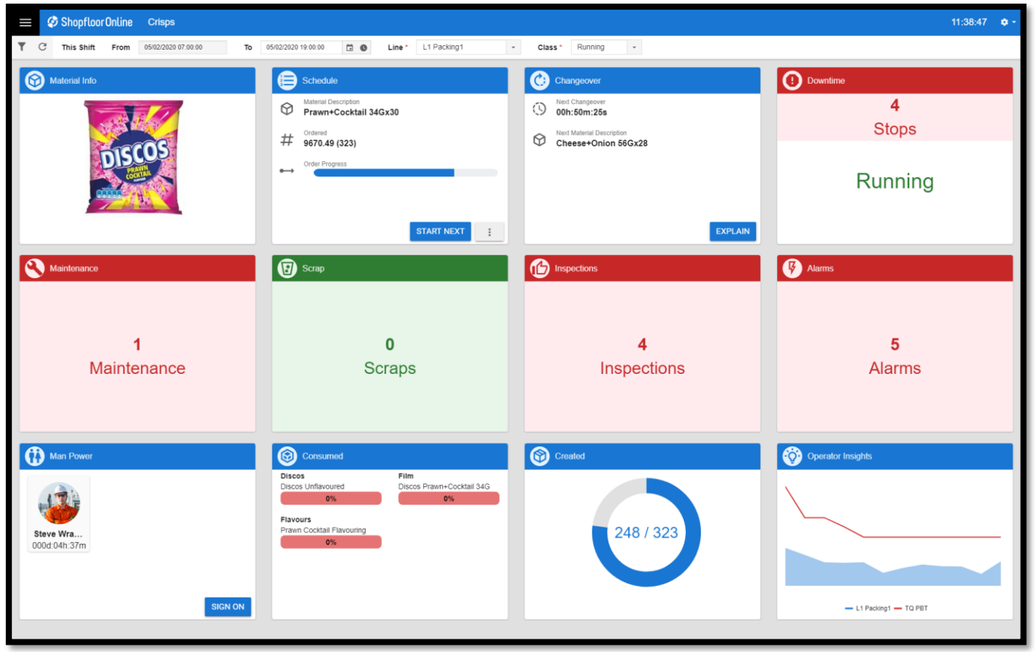


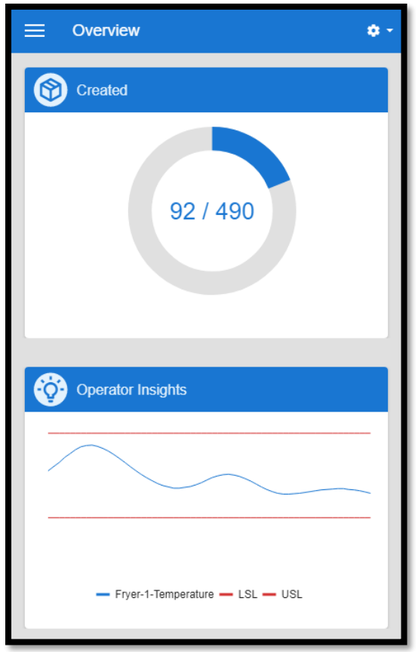
Process operations
All shop floor execution and material transactions managed in Infor MES and updated to the ERP for costing and shipments

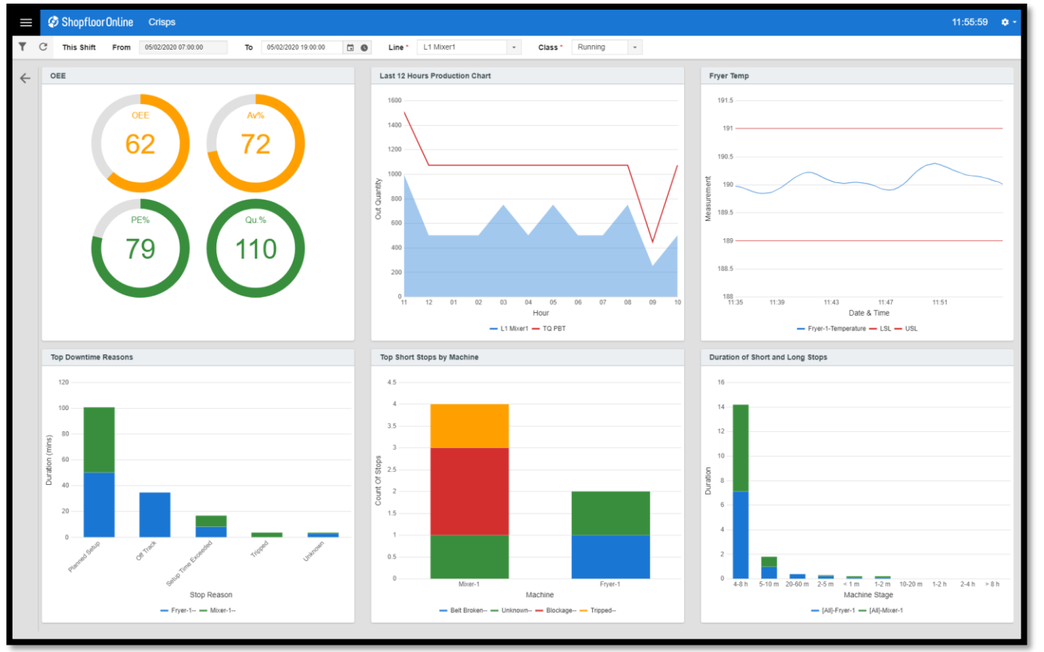
BRUTE.

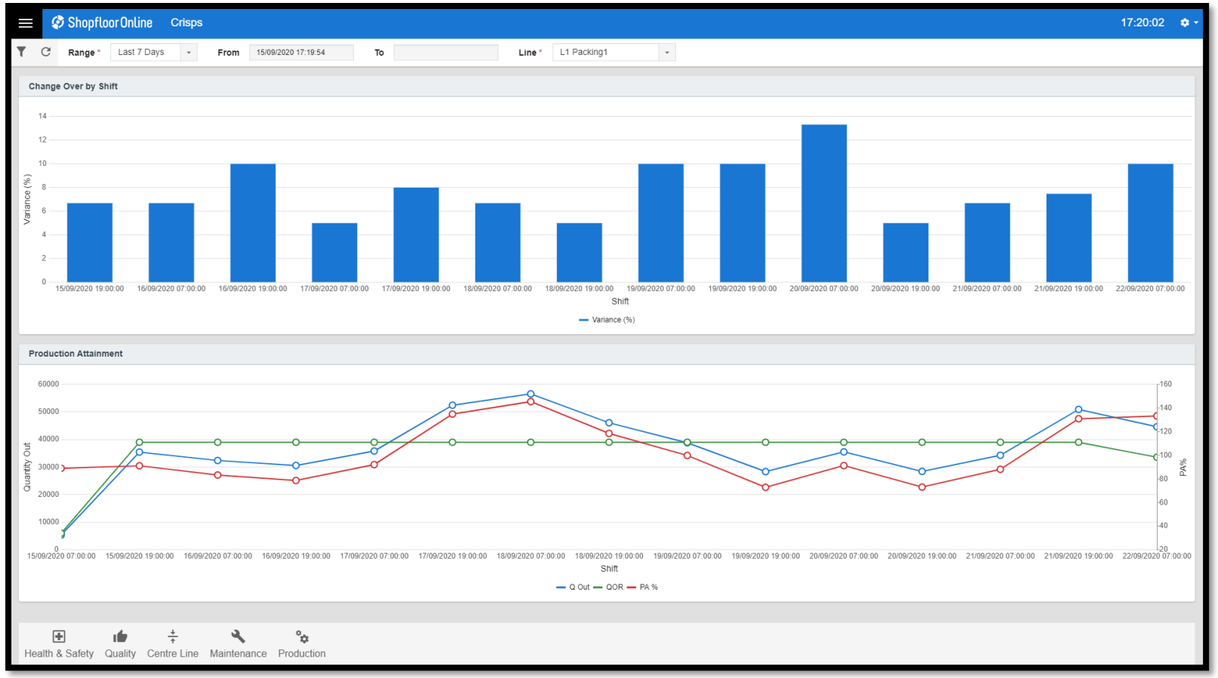
Maintenance Tasks
ZEBRA

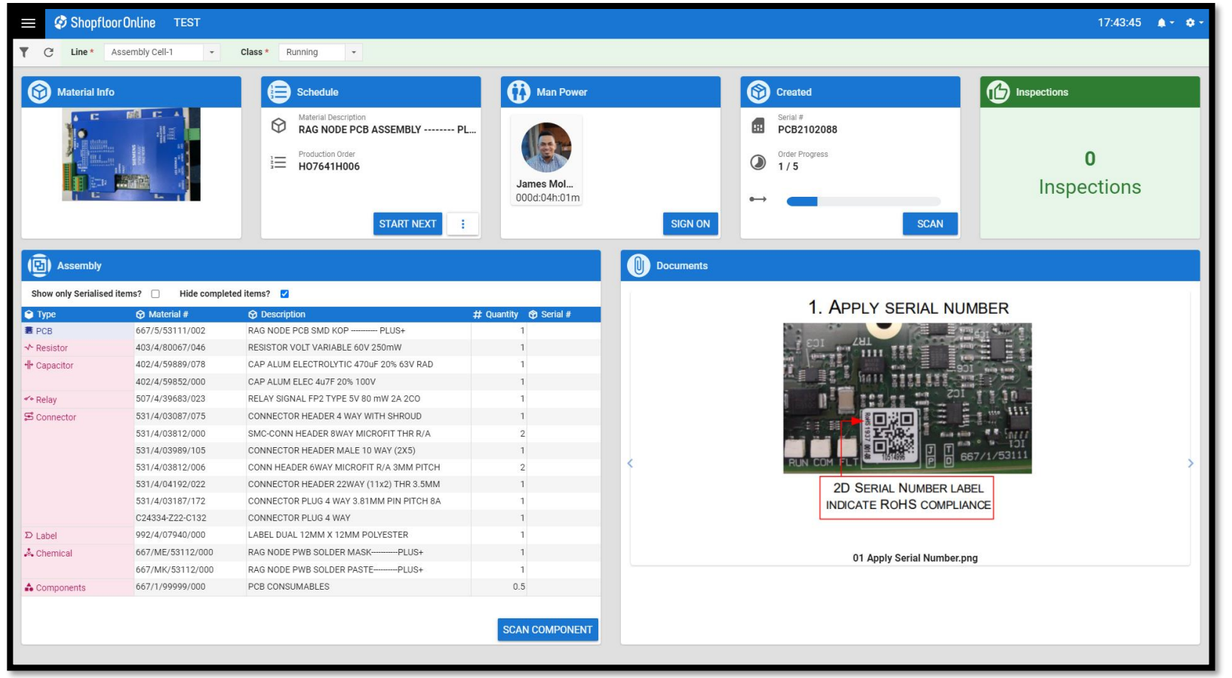
Tool management

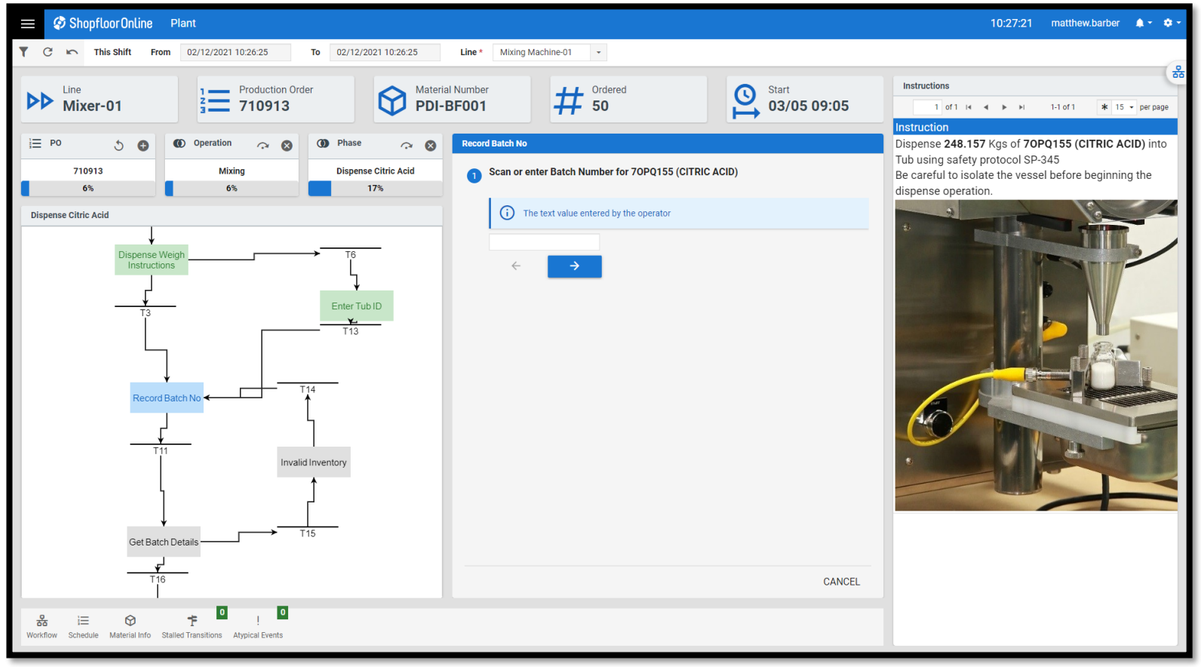

Shopfloor Online
Crisps
11:38:47
Material Info
Schedule
Material Description
Prawn+Cocktail 34Gx30
Ordered
9670.49 (323)
Order Progress
START NEXT
Changeover
Next Changeover
00h:50m:25s
Next Material Description
Cheese+Onion 56Gx28
EXPLAIN
Downtime
4
Stops
Running
Maintenance
1
Maintenance
Scrap
0
Scraps
Inspections
4
Inspections
Alarms
5
Alarms
Man Power
Steve Wra...
000d:04h:37m
SIGN ON
Consumed
Discos
Discos Unflavoured
0%
Film
Discos Prawn+Cocktail 34G
0%
Flavours
Prawn Cocktail Flavouring
0%
Created
248 / 323
Operator Insights
L1 Packing1
TQ PBT

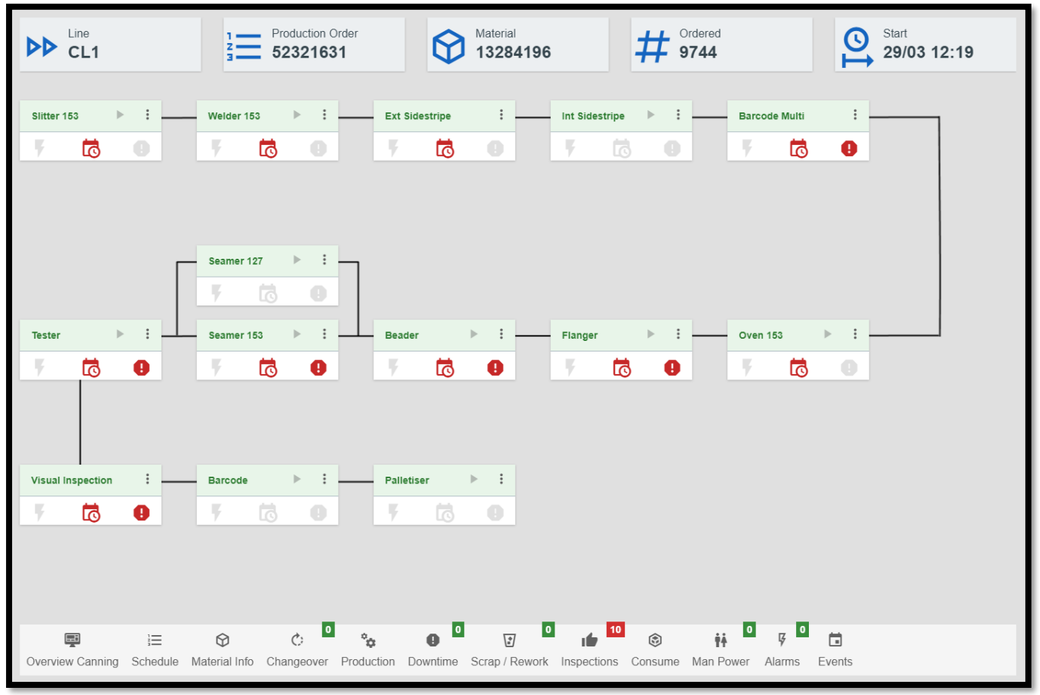

Overview
Created
92 / 490
Operator Insights
Fryer-1-Temperature
LSL
USL

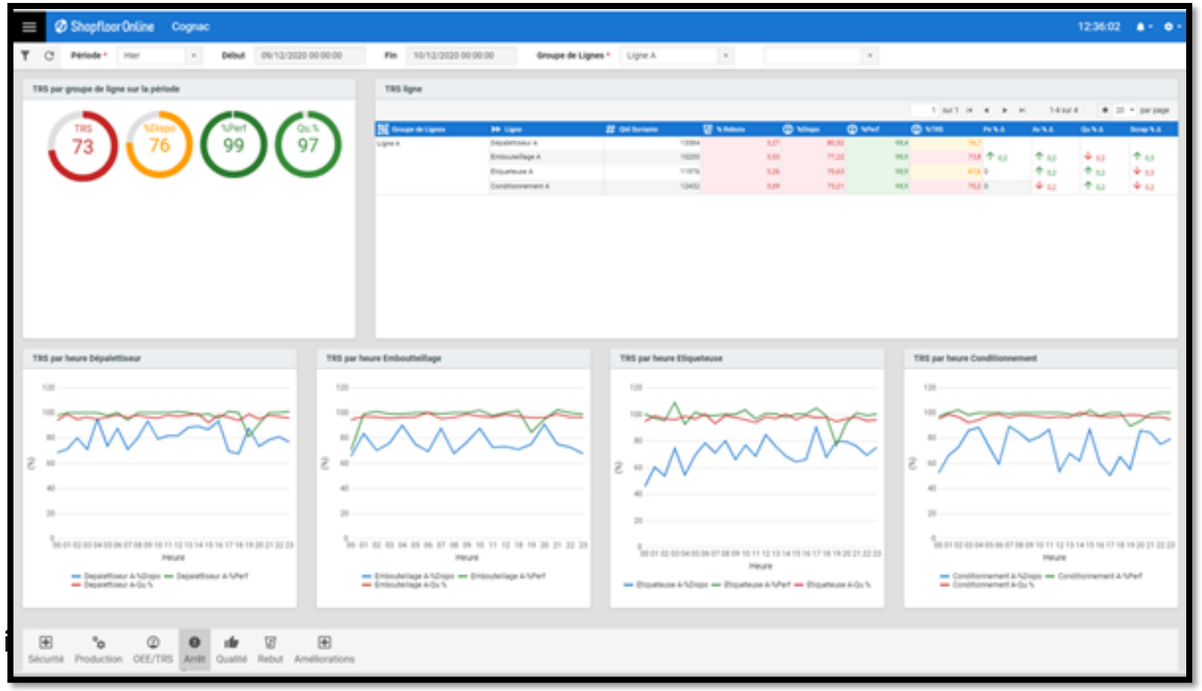

Shopfloor Online
Crisps
11:55:59
OEE
62
Av%
72
PE%
79
Qu%
110
Last 12 Hours Production Chart
Out Quantity
Hour
L1 Mixer1
TQ PBT
Fryer Temp
Measurement
Date & Time
Fryer-1-Temperature
LSL
USL
Top Downtime Reasons
Duration (mins)
Stop Reason
Top Short Stops by Machine
Count Of Stops
Machine
Duration of Short and Long Stops
Duration
Machine Stage


Shopfloor Online
Crisps
17:20:02
Range
Last 7 Days
From
15/09/2020 17:19:54
To
Line
L1 Packing1
Change Over by Shift
Variance (%)
Shift
Production Attainment
Quantity Out
PA%
Q Out
QOR
PA %
Health & Safety
Quality
Centre Line
Maintenance
Production


Shopfloor Online
TEST
17:43:45
Line
Assembly Cell-1
Class
Running
Material Info
Schedule
Material Description
RAG NODE PCB ASSEMBLY -------- PL...
Production Order
H07641H006
START NEXT
Man Power
James Mol...
000d:04h:01m
SIGN ON
Created
Serial #
PCB2102088
Order Progress
1 / 5
SCAN
Inspections
0
Inspections
Assembly
Show only Serialised items?
Hide completed items?
Type
Material #
Description
Quantity
Serial #
PCB
667/5/53111/002
RAG NODE PCB SMD KOP ---------- PLUS+
Resistor
403/4/80067/046
RESISTOR VOLT VARIABLE 60V 250mW
Capacitor
402/4/59889/078
CAP ALUM ELECTROLYTIC 470uF 20% 63V RAD
402/4/59852/000
CAP ALUM ELEC 4u7F 20% 100V
Relay
507/4/39683/023
RELAY SIGNAL FP2 TYPE 5V 80 mW 2A 2CO
Connector
531/4/03087/075
CONNECTOR HEADER 4 WAY WITH SHROUD
531/4/03812/000
SMC-CONN HEADER 8WAY MICROFIT THR R/A
531/4/03989/105
CONNECTOR HEADER MALE 10 WAY (2X5)
531/4/03812/006
CONN HEADER 6WAY MICROFIT R/A 3MM PITCH
531/4/04192/022
CONNECTOR HEADER 22WAY (11x2) THR 3.5MM
531/4/03187/172
CONNECTOR PLUG 4 WAY 3.81MM PIN PITCH 8A
C24334-Z22-C132
CONNECTOR PLUG 4 WAY
Label
992/4/07940/000
LABEL DUAL 12MM X 12MM POLYESTER
Chemical
667/ME/53112/000
RAG NODE PWB SOLDER MASK----------PLUS+
667/MK/53112/000
RAG NODE PWB SOLDER PASTE----------PLUS+
Components
667/1/99999/000
PCB CONSUMABLES
0.5
SCAN COMPONENT
Documents
1. APPLY SERIAL NUMBER
2D SERIAL NUMBER LABEL INDICATE ROHS COMPLIANCE
01 Apply Serial Number.png







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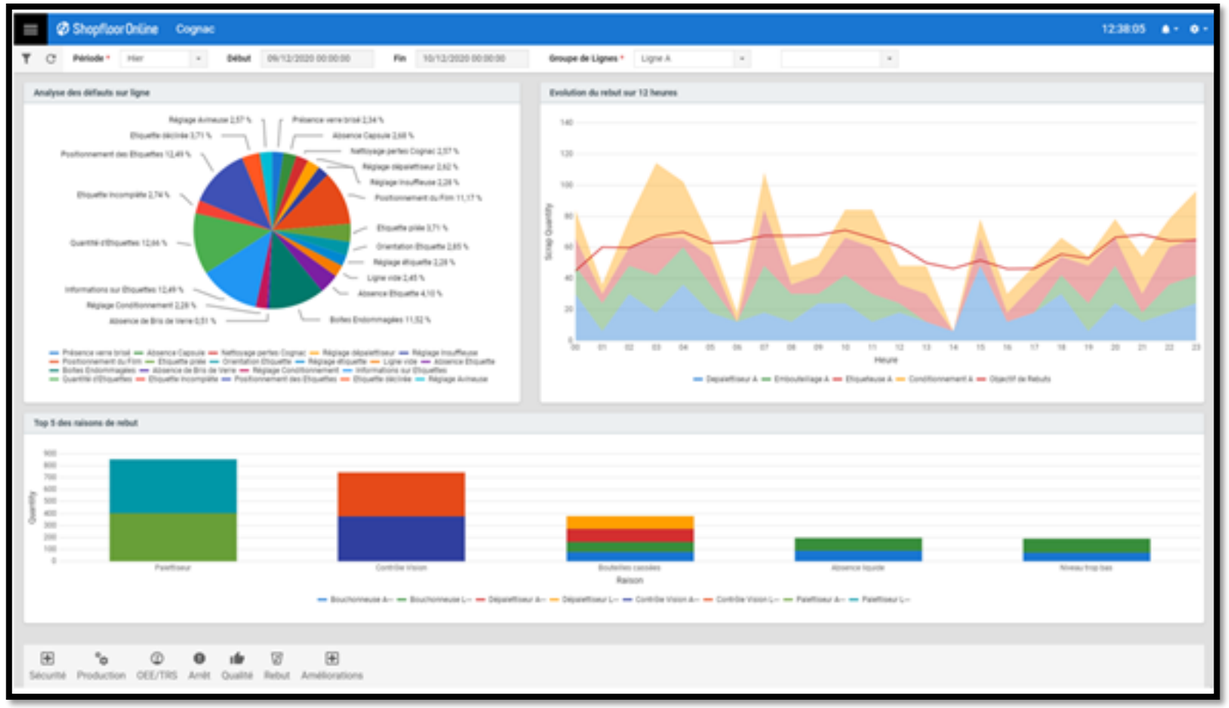
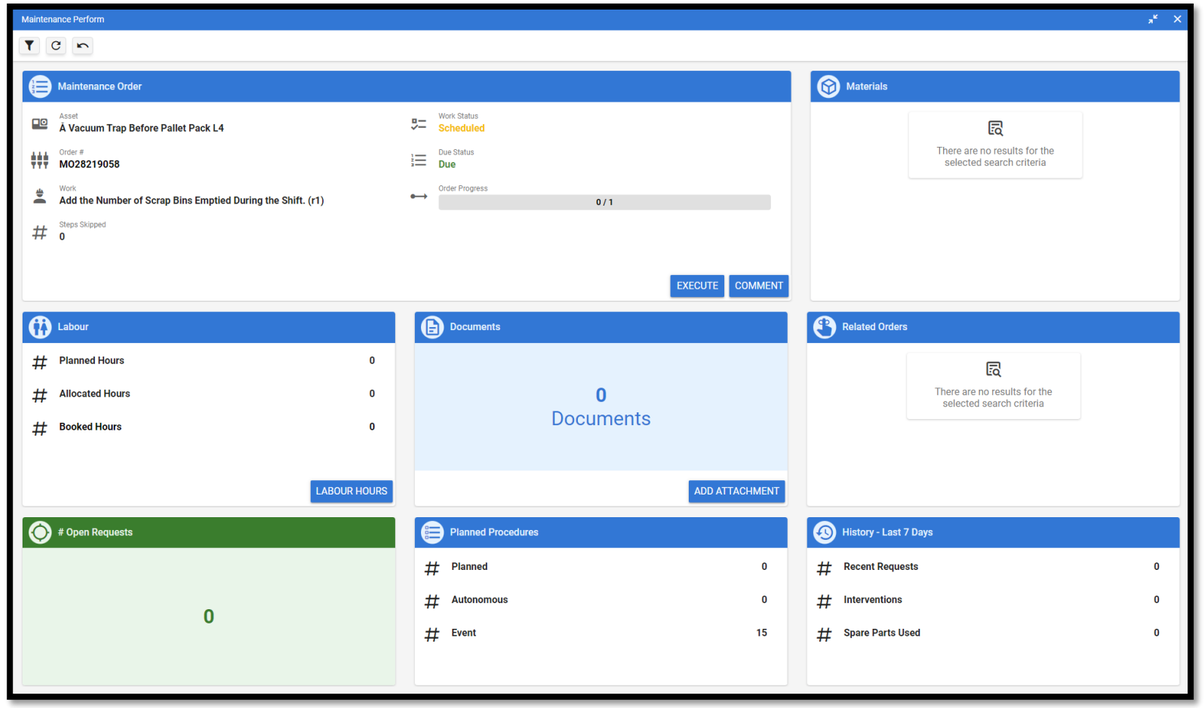
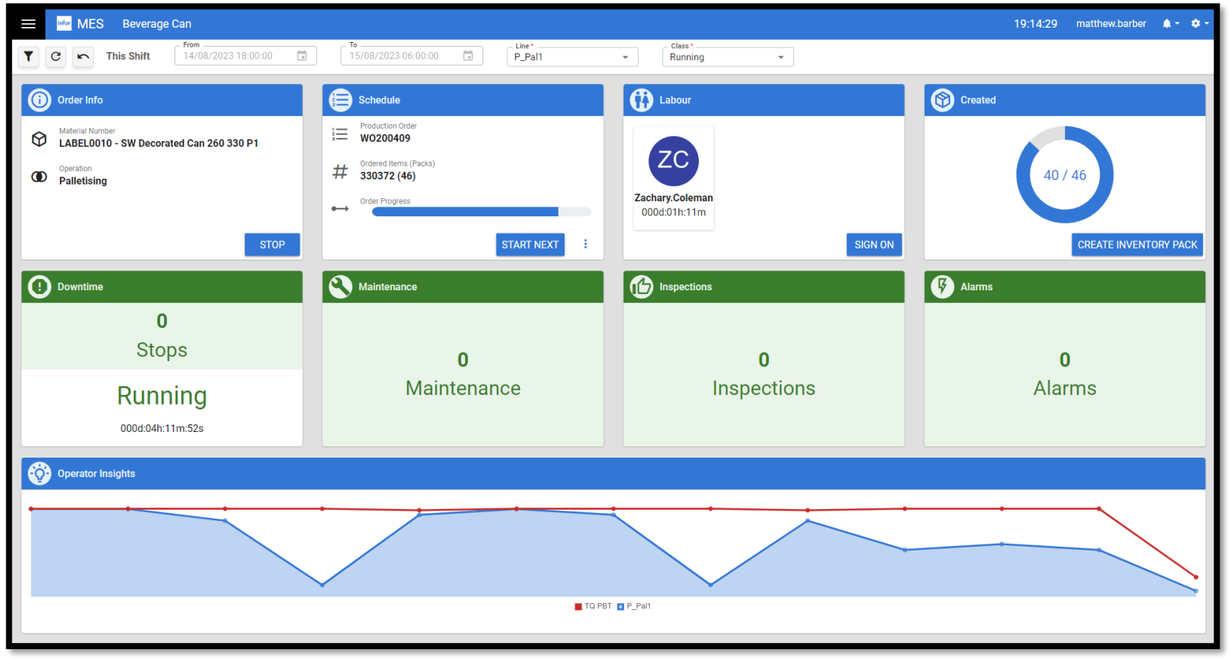
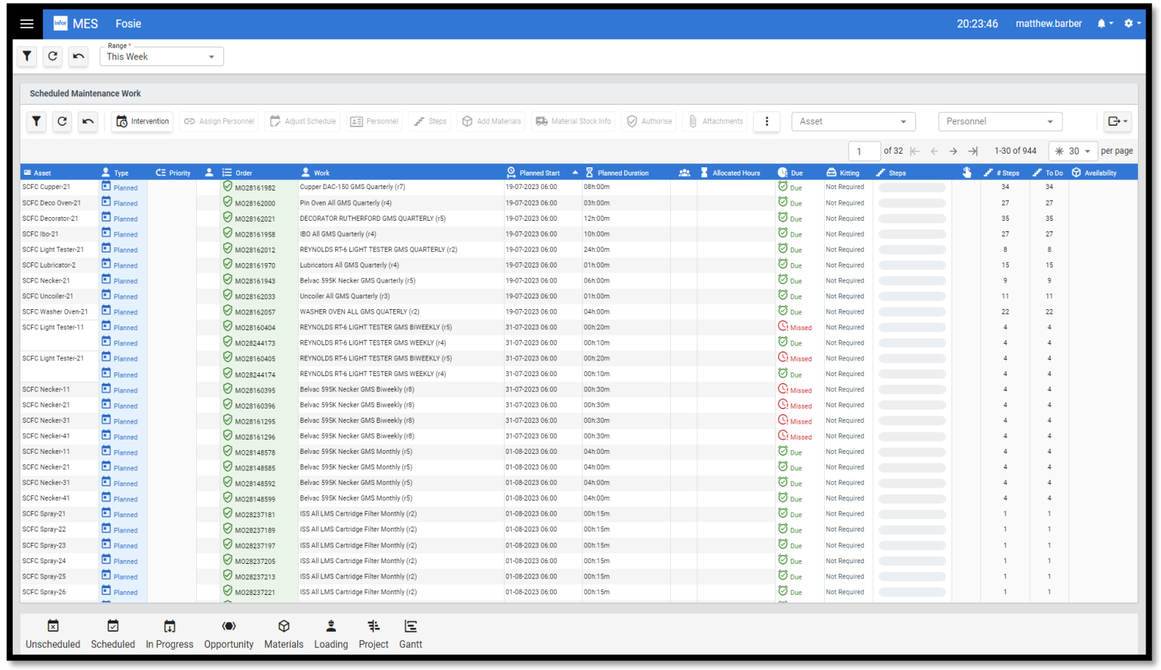

Shopfloor OnLine
Cognac
12:38:05
Analyse des défauts sur ligne
Evolution du rebut sur 12 heures
Top 5 des raisons de rebut
Sécurité
Production
OEE/TRS
Arrêt
Qualité
Rebut
Améliorations


Maintenance Perform
Maintenance Order
Asset
A Vacuum Trap Before Pallet Pack L4
Work Status
Scheduled
Order #
MO28219058
Due Status
Due
Work
Add the Number of Scrap Bins Emptied During the Shift. (r1)
Order Progress
0 / 1
Steps Skipped
0
EXECUTE
COMMENT
Materials
There are no results for the selected search criteria
Labour
Planned Hours 0
Allocated Hours 0
Booked Hours 0
LABOUR HOURS
Documents
0
Documents
ADD ATTACHMENT
Related Orders
There are no results for the selected search criteria
Open Requests
0
Planned Procedures
Planned 0
Autonomous 0
Event 15
History - Last 7 Days
Recent Requests 0
Interventions 0
Spare Parts Used 0


MES
Beverage Can
19:14:29
matthew.barber
This Shift
14/08/2023 18:00:00
15/08/2023 06:00:00
P_Pal1
Running
Order Info
Material Number
LABEL0010 - SW Decorated Can 260 330 P1
Operation
Palletising
STOP
Schedule
Production Order
WO200409
Ordered Items (Packs)
330372 (46)
Order Progress
START NEXT
Labour
ZC
Zachary.Coleman
000d:01h:11m
SIGN ON
Created
40 / 46
CREATE INVENTORY PACK
Downtime
0
Stops
Running
000d:04h:11m:52s
Maintenance
0
Maintenance
Inspections
0
Inspections
Alarms
0
Alarms
Operator Insights
TQ PBT
P_Pal1


MES
Fosie
20:23:46
matthew.barber
Range
This Week
Scheduled Maintenance Work
Intervention
Assign Personnel
Adjust Schedule
Personnel
Steps
Add Materials
Material Stock Info
Authorise
Attachments
Asset
Personnel
1 of 32
1-30 of 944
30
per page
Asset
Type
Priority
Order
Work
Planned Start
Planned Duration
Allocated Hours
Due
Kitting
Steps
Steps
To Do
Availability
Unscheduled
Scheduled
In Progress
Opportunity
Materials
Loading
Project
Gantt

Discrete Enterprise

Release Highlights 2023.10

Improved UX

AI driven workspaces & operational screens

Supply chain

Network visibility

Procurement of Services

Collaboration Portal

Engineering

Deep integration of PLM

Industry depth

Engineering and Configuration to Production Execution

Intercompany

Internal rental of equipment

Global footprint

New Localizations

High volume

Flexible handling of shipment changes

Flexible Integrations

REST API framework and content

Agility

Data driven business decisions

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Discrete Enterprise

Release Highlights 2023.10 – CS IE and CS E&C

Intercompany

Internal rental of equipment

- Project-based intercompany trade on service transactions
- Project-based internal rental of equipment for intercompany trade

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Adoption of project-based intercompany trade

internal equipment dpt – automatic background financial bookings

Project A1
Project cost
Crane 90 days
Operator 90 days
Fuel 1500 liters

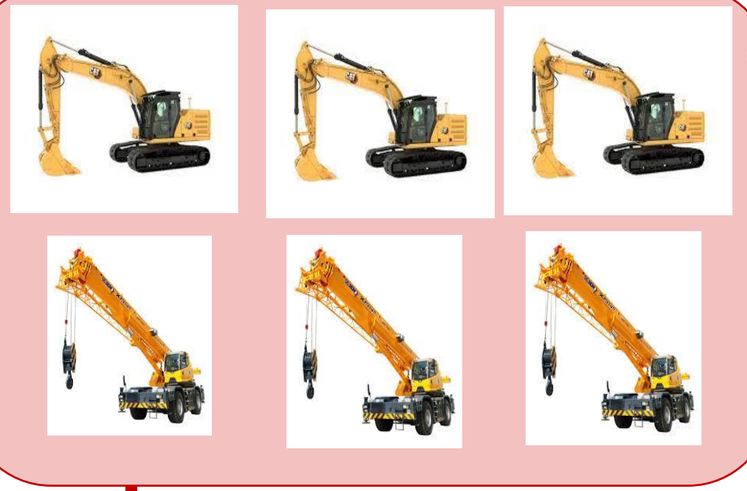
Internal charge

Contract A

Physical delivery of Equipment

Customer A
Project Building
Prj Mgt Office A1

Physical delivery of Equipment



Customer B
Project Groundwork
Prj Mgt Office B1

Customer A
Project
Machine installation
Prj Mgt Office A2

Contract B

Project B
Project cost
Excavator 30 days
Operator 30 days
Fuel 500 liters

Equipment dpt.

Internal charge

Project A2
Project cost
Crane 10 days,
Crane operator 10 days
Installation crew 20 days
Hotel crew 20 days
Fuel 500 liters

Internal charge

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Adoption of project-based intercompany trade

service office – automatic background financial bookings

Project A1
Project cost
Crane 90 days
Operator 90 days
Fuel 1500 liters

Customer A
Project Building
Prj Mgt Office A1

Customer A
Project
Machine installation
Prj Mgt Office A2

Project A2
Project cost
Crane 10 days,
Crane operator 10 days
Installation crew 20 days
Hotel crew 20 days
Fuel 500 liters

Contract A

Installation crew, sleeping in hotel

Internal charge

Service office

Customer B
Project Groundwork
Prj Mgt Office B1

Contract B

Project B
Project cost
Excavator 30 days
Operator 30 days
Fuel 500 liters

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Project-based intercompany trade on service transactions

Executive summary

Customers want to have the cost created by services transactions, charged by the service office to the project, that requires the service transactions. The project cost should be represented as accurate as possible, with an efficient way of charging the cost.

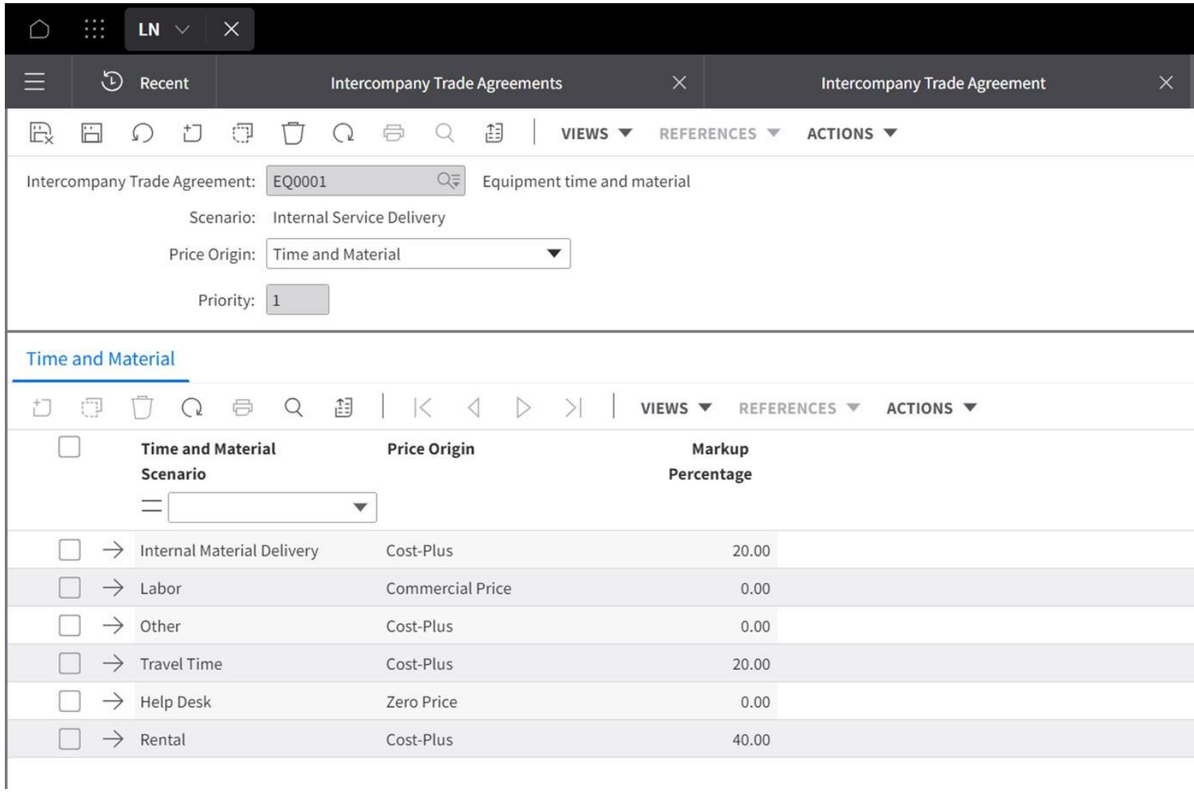
Solution overview

Requirement

- In project-centric industries, project delivery may require service transactions, e.g., for installation or maintenance, which is delivered by a service office
- The cost of the service transaction (including other costs such as material or travel) are made on a service or depot order, and will be charged to the project
- The project collects all cost that is being made to deliver the project, allowing the customer to have detailed insight in the cost of the project

Solution

- Intercompany trade has adopted the support of an intercompany trade order between a service office and a project management office.
- The specification of different transfer prices for different type of costs, e.g., commercial prices or prices based on actual costs is possible
- Customers will have a full overview of the internal transactions



Benefits

✓ The service office can charge the project management office for the services delivered on the project.

✓ When the offices are part of different legal entities, this solution offers legal compliancy

✓ Proper management accounting, when the offices are part of different business units

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Project-based internal rental of equipment for intercompany trade

Executive summary

Customers want to have the rental cost of renting internal equipment, charged by the rental office to a project, that requires the equipment to fulfil project delivery. The project cost should be represented as accurate as possible, with an efficient way of charging the cost.

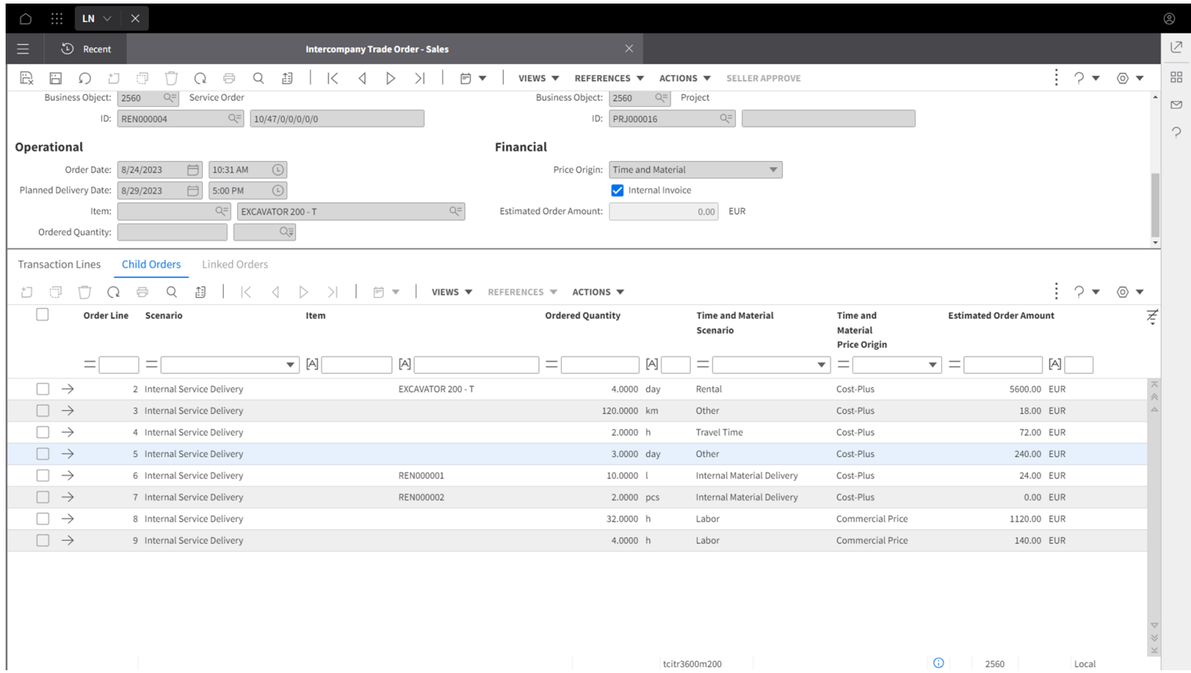
Solution overview

Requirement

- In project-centric industries, project delivery may require the usage of equipment, which is rented-in internally by the Equipment department.
- The rental cost (including other costs as consumables and labor) is made on the rental agreement and will be charged to the project.
- The project collects all cost that is being made to deliver the project, allowing the customer to have detailed insight in the cost of the project

Solution

- Intercompany trade has adopted the support of an intercompany trade order between a rental office and a project management office.
- The specification of different transfer prices for different types of costs, e.g., commercial prices or prices based on actual costs is possible
- Customers will have a full overview of the internal transactions



Benefits

- ✓ The rental office can charge the project management office for the internal rental of equipment delivered on the project.
- ✓ When the offices are part of different legal entities, this solution offers legal compliancy
- ✓ Proper management accounting, when the offices are part of different business units

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Discrete Enterprise

Release Highlights 2023.10

Improved UX

AI driven workspaces & operational screens

Supply chain

Network visibility

Procurement of Services

Collaboration Portal

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High volume

Flexible handling of shipment changes

Flexible Integrations

REST API framework and content

Agility

Data driven business decisions

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Country Support LN CE 2023.10

Part of LN CE standard

Part of LN CE licensed

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Discrete Enterprise

Release Highlights 2023.10 – CS Automotive & Infor MES

High volume

Flexible handling of shipment changes

- Alerts for sales schedule process
- Flexible default value to avoid shipment changes
- Enhancements for shipment planning deviations
- Workbench - Shipment Planning - backlog display
- Alternative packaging for shipment planning
- Workbench - Shipment Execution - options to generate outbound advice
- Integration with Automotive Exchange - external supplier number by business process
- Automotive invoice report for DIN4991
- Repetitive Manufacturing - archiving of production schedules and deletion of costing documents

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LN Technology
API Cloud Platform for Discrete Enterprise solutions

Executive summary

The API Cloud Platform is based on AWS. Via this platform new industry functionality of the Discrete Enterprise solutions is provided as OData and REST API based services. This platform also provides similar services from other Infor cloud solutions, or certified solutions from Infor partners, to Discrete Enterprise customers.

Solution overview

Requirement

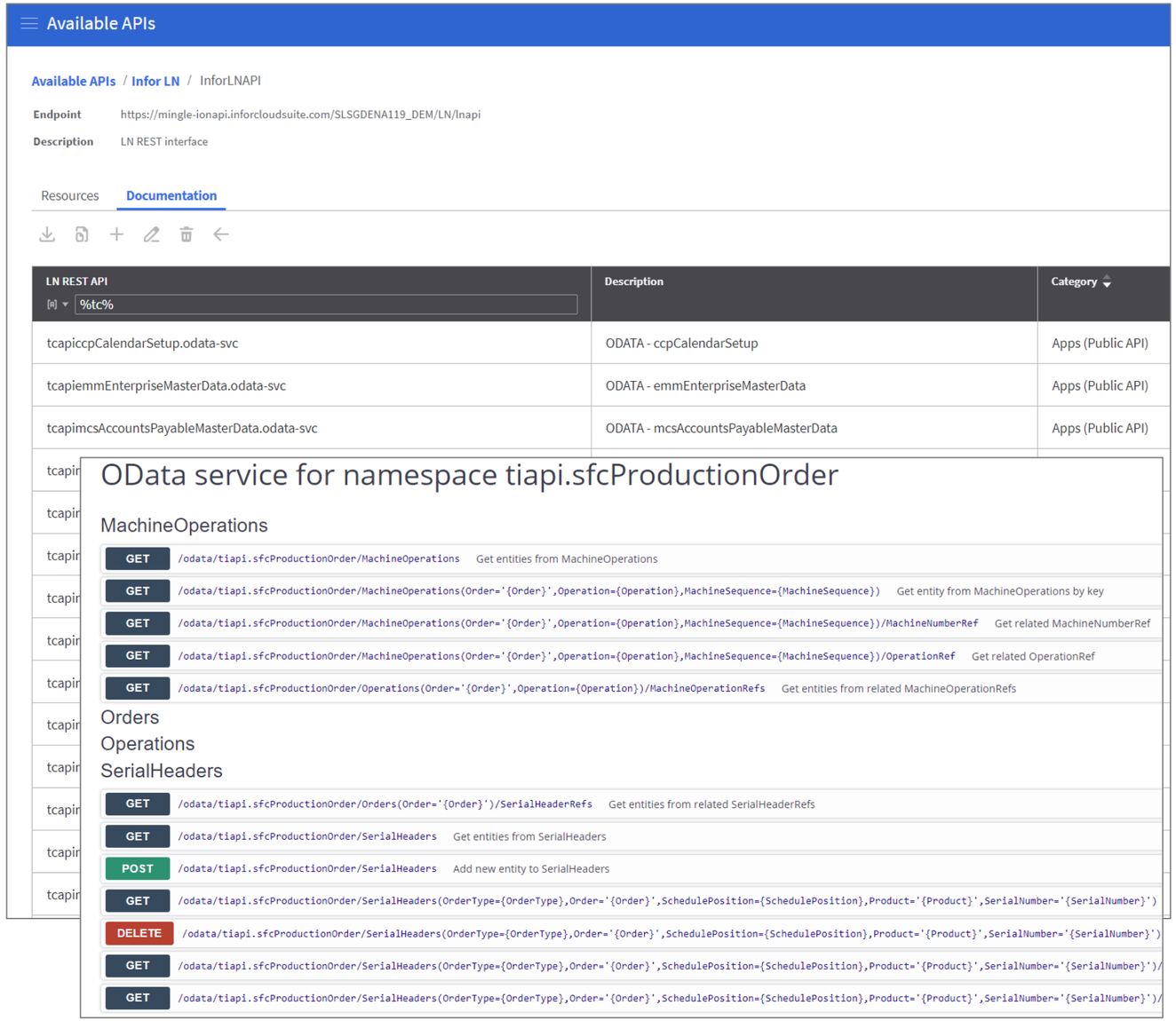
- ✓ Connect Discrete Enterprise solutions with cloud-based solutions from Infor, partners, non-Infor or extensions from the cloud customer.
- ✓ Services must be auto-scalable, secured and accessible on demand.

Solution

- ✓ This platform provides Discrete Enterprise customers a means to innovate their business.

Benefits

- ✓ Discrete Enterprise customers can modernize their business by investing in the latest Infor solutions that are delivered via this platform.



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LN Technology
API Content for LN Cloud customers

Executive summary

The API Cloud Platform fulfills on demand cloud services to our LN Cloud customers. All services are based on a REST API and/or OData based approach.

Solution overview

Requirement

- ✓ Current requirements are driven by Infor's UX strategy (persona driven Workspace content) to deliver REST APIs to satisty their requirements
- ✓ Also, commonly used integrations require REST API based services

Solution

- ✓ 120+ Public APIs for LN Cloud customers
- ✓ Fair use policy applied by Infor. Needs upfront content from LN Cloud customer before actual use.

Benefits

- ✓ LN Cloud customers can keep up with the latest innovations that require these OData APIs provide to modernize their business.
- ✓ Use OS App Designer to model widgets based on LNs OData data services

Current OData Services		
Attendance	UnitOfMeasure	AssemblyKit
Payroll	ItemPurchase	LabelLayout
PLMDataservice	ItemPurchase	ShippingMaterialAccount
ProjectManager	ProcurementUserProfile	StorageCondition
CalendarSetup	PurchaseContract	ValidationRule
Contact	PurchaseOrder	
ConvertAmount	PurchaseRequisition	
CurrencySystem	RequestForQuote	
EnterpriseMasterData	SalesOrder	
AccountsPayableMasterData	ItemCosting	
AccountsReceivableMasterData	JobShopLayout	
Address	ProductionOrder	
BusinessPartnerClassification	ForecastMethod	
CurrencyMasterData	ValuationMethod	
FinancialsMasterData	CrossDockPriorityDefinition	
InvoicingMasterData	CrossDockRestriction	
ItemClassification	WarehouseSupplyStructure	
ItemMasterData	WarehousingOrder	
LogisticMasterData	WarehousingOrderType	
PricingMasterData	ItemIssuesByPeriod	
TransportMasterData	Lot	

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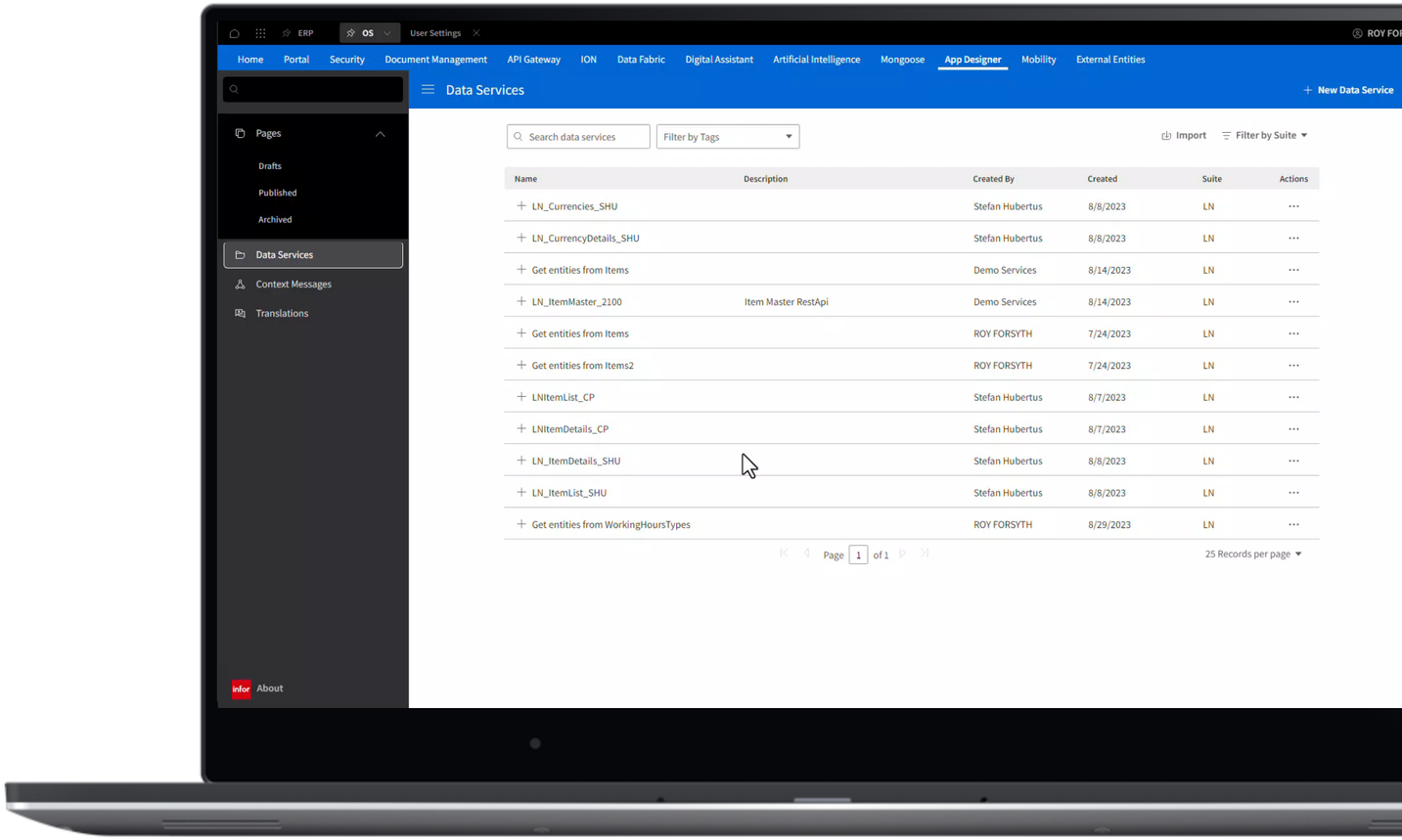
Discrete Enterprise CloudSuites

OAD using LNs OData services

Video Demo (2'22 min)



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AI integrated into key business processes improves revenues and customer service

5%	93%	30
increase in sales win rate	faster vendor selection	days time to value

- 5% increase in win rate translates to $10-15M in revenue
- Improved capacity planning to meet demand and revenue/profit goals
- Management creates optimal supply chain plan and allocates the right capital decisions for growth
- Vendor selection process has gone from 30 to 2 minutes
- Improve customer satisfaction with increased on time delivery
- Deliver better quality products at a lower cost with better negotiating power

CAMATIC SEATING

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User Group meeting - Oslo

Themes for roadmap 2024

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Themes for roadmap 2024

Preconfigured

Configurations & Localizations

Improved UX

Persona Driven & Modernization

Connectivity

Extensions REST API library

Portals

Supplier collaboration

Carbon footprint

Sustainability

Supply Chain

Advanced planning

High volume

Assembly based production

EaaS

Handling of Rental items

Steel & Paper

Dimensional inventory

AI

Modeling of

Industry specific cases

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QUESTIONS?

User Group meeting - Oslo

Thank you

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