

ENABLE DIGITALIZATION

OMNIX solution

Digitalize your supply chain

An industry trends to maximize sales channels

The way to build and maintain a strong, competitive business

INOSSEM

- **Single channel** refers to brands that sell their products to their customers through one (single) sales channel.
- **Multichannel sale** is where a business has both physical and online stores, but their operations are siloed. However, channels are operated separately instead of being integrated.
- **Cross-channel marketing** is the ability for brands to connect with their customers on an array of different communication channels, such as email, SMS, mobile apps, and more.
- **Omni-Channel commerce** takes cross-channel to the next level and is the ultimate in holistic marketing and it offers total channel integration. This includes traditional and digital channels, point-of-sale, and physical and online experiences.

An advanced Omni-Channel operation requires capabilities,



Channel integration

integrates with a range of ecommerce platforms, such as Amazon, eBay, and Shopify,manage and process orders to help businesses manage their sales channels more efficiently...



Order management

enables businesses to from multiple sales channels in one place.



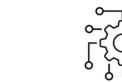
Shipping management

help businesses manage their fulfillment processes, from shipping to tracking.



Listing management

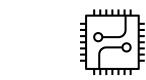
provides tools to help businesses manage their product listings across multiple sales channels, including updating prices, descriptions, and etc.



Automation Rules

automation tools to help businesses streamline their operations, including automated order routing, carrier determination, and inventory management.





Omnichannel fulfillment is a strategy of having a unified

approach to manage inventory and order processing from

a variety of sales channels.

CROSS CHANNEL

cross-systems

integrates with a range of systems, such as ERP, shipping providers, 3PL WMS to synchronize SKUs, inventory, orders, prices, fulfillment and shipping, customers and etc.

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INOSSEM Omni X Solution architecture



BEST BUY shopify Walmart 💢 amazon wayfair Marketplace **⊿∃I**CCOMMERCE **OMNI-Channel Insight** Dashboard Reporting Alert **Planning** Front-end **Exception Handler Shipping** Customization Sale **Inventory Purchase Balance and Move** Scheduling **Exchange Partner** Order workbench Order workbench Issue Workbench **Outbound Delivery Channel Listing** Schema **Inbound Delivery** Global tracking **Exception Analyze Transfer Order** Sales Billing Listing Listing Meta **Automation** Hyper automation – BPMN / RPA Bot 3rd Party Carrier **SAP ERP** Material Freight Order Sales Distribution EDI / ALE Management Operation **Execution Proof of Delivery Pricing Control**

Operate Omni-Channel business

with powerful engine







integrates with a range of ecommerce platforms via ProcessGo Plus, such as Amazon, eBay, and Shopify, to help businesses manage their sales channels more efficiently..



Listing

provides tools to help businesses manage their product listings across multiple sales channels, including updating prices, descriptions, and etc.



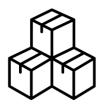
Sales

enables businesses to manage and process orders from multiple sales channels in one place. Meanwhile, synchronize outbound delivery and billing from ERP to trace order lifecycle.



Exception Handler

Easy to detect orders need to pay attention and take follow up action.



Inventory

provides a central database to manage your inventory, with realtime updates across ERP and all sales channels. Easy to monitor your physical inventory and realtime ATP.



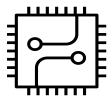
Shema

Schema tools to help customizing the rules and preset the order processing automation.



Purchase

help businesses manage their purchase process, synchronize purchase order, inbound delivery and invoice from ERP to get more accurate incoming inventory.



Integration with other systems

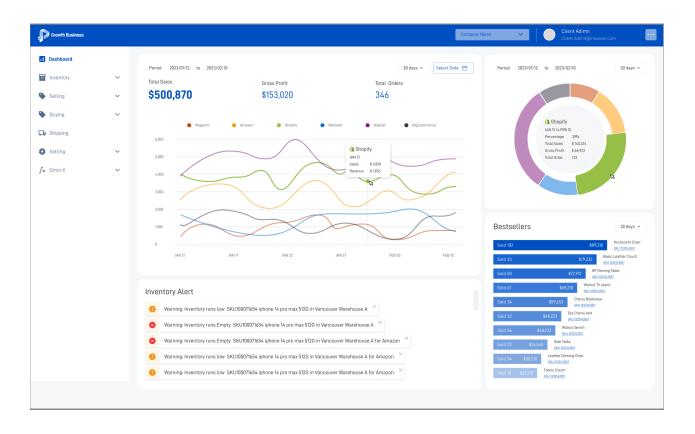
integrates with a range of other systems, such as ERP, shipping providers, 3PL WMS to synchronize SKUs, inventory, orders, prices, fulfillment and shipping, customers and etc.

Establishing a Global Omni-Channel insight

Surveilling supply chain performance



Omni X Dashboard using cutting-edge BI tool to extracting real time information across systems and create interactive visualizations to share insights. It provides a different insight into your current sales, inventory and financial performance to help you manage current business and forecast future performance.



Where you can,

- Get a more accurate picture of your business results.
- Analyze the overall performance of your business, as well as each specific sales channel or SKU.
- Get instant alerts on sales channel potentially out-of-stocks.
- Compare the performance of individual SKUs or selling channels to get business insights.

Overall, it could help business analysts and sales managers to review sales data and make data-driven decisions, ultimately optimize sales processes, improve customer engagement, and increase revenue.

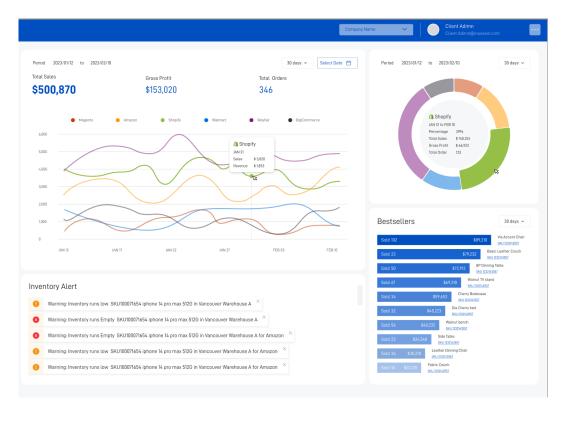
Establishing a Global Omni-Channel insight

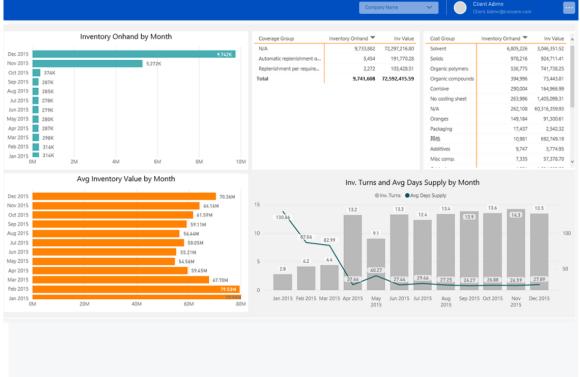
Primary insight and Drill-down layout



Primary Insight: designed to provide at a glance information about the current status of your business. Primary insight would be a best practice layout. Including Total Sales, channel sales percentage, bestsellers product and inventory alert.

Drill downs: Embedding most powerful BI component to connect directly to your cloud data, and those data can be retrieved and drill down across systems. **Customization** is available for dashboard and reports for better monitor operational data.





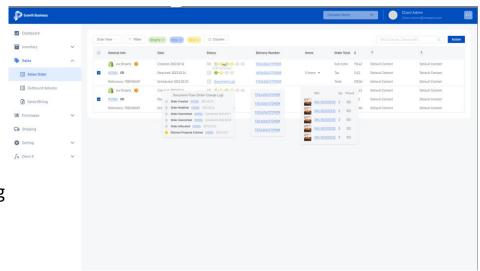
A central view for orders, deliveries and logistics across trading partners

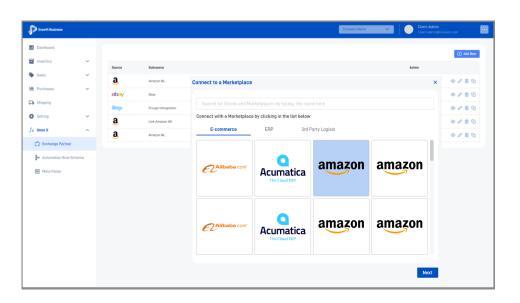


With fully integration, Omni X passes order data, shipment data, and inventory data between your order sources and your order destinations to accelerate your business. As well as simplify even the most complex of business processes and in turn save time and reduce human error.

Where you can seamlessly connect with,

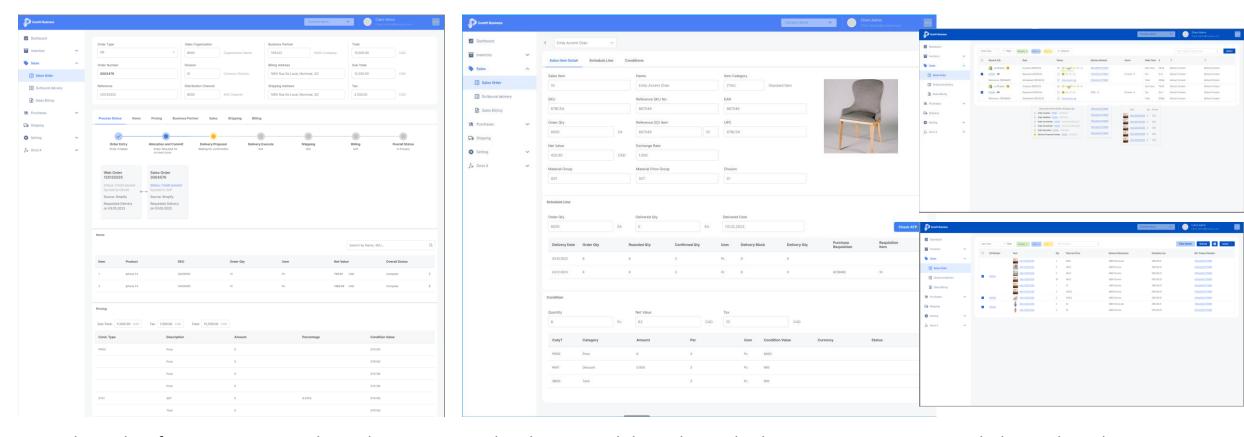
- Sales Channel Automates Sales Order flow from start to finish, allowing for the seamless integration of multiple ecommerce platforms and marketplaces.
- Warehouse and fulfillment center Delivery Proposal are standardized and directed to your fulfillment center or warehouse management system—automatically.
- Shipping Carrier: After orders have shipped, Shipping information is retrieved and tracked to their original order source.
- Vendor: passes Purchase Order with your venders for accurate information exchange.
- Freight Forwarder: Easily get ETA.ETD,ATA,ATD to optimize your supply chain management for more precise shipping Advanced Notice





Manage sales order with 360-degrees cockpit view





Sales orders from e-commerce channels are integrated and processed through standard EDI or API into OmniX, including order splitting, order routing, dynamic ATP, logic enhancement (Shema),etc.

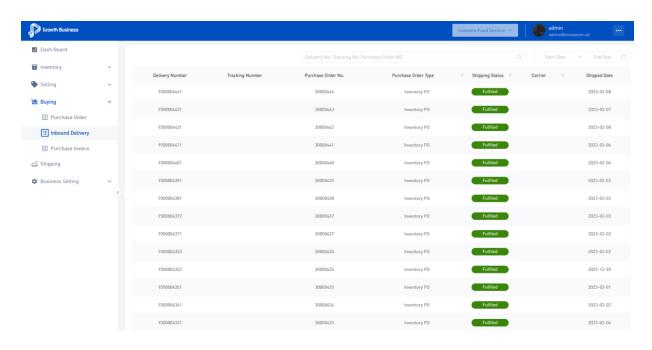
- User could switch order list view between order header and order item.
- User could define list layout by column selection and save as variant within login account.
- It is easy to filter and sort orders by different selection criteria.

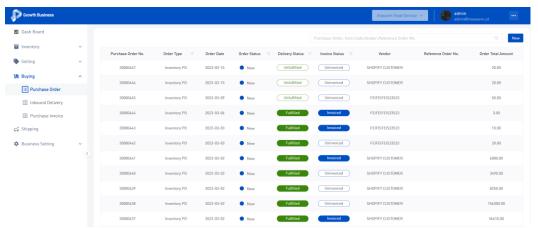
Order hub for your procurement business



Purchase Order is synchronized to OmniX via EDI. Since purchase order and inbound delivery are the source of incoming inventory used by ATP report, those information should be recorded in Omnix, even for future use.

Meanwhile, OmniX could also remind users to double confirm the ETA on inbound delivery. If the ETA could not meet, all influenced sales order will be throwed into exception handler, and schedule line will be redetermined.





Sales order journey for lifecycle traceability



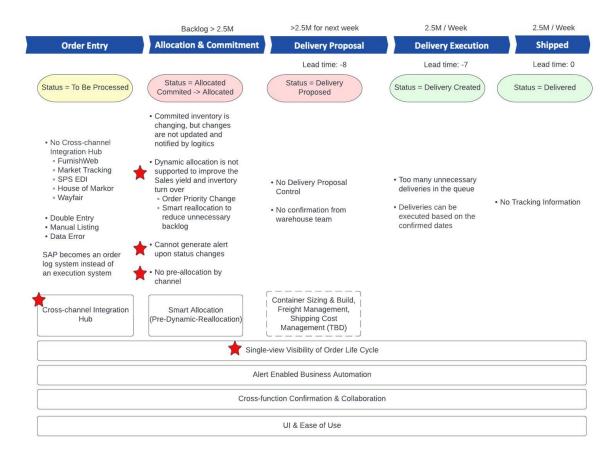
An order normally moves through different stages of its life cycle. Omnix provides a set of tools to make sure you can control, manage, and complete each stage of an order journey.

We offer e.g. an order in 5 stages

- Order Entry
- Allocation and Commitment
- Delivery Proposal
- Delivery Execution
- Shipment

Omnix provides order stages configuration in system setting. Each company could define it own process stage by order type.

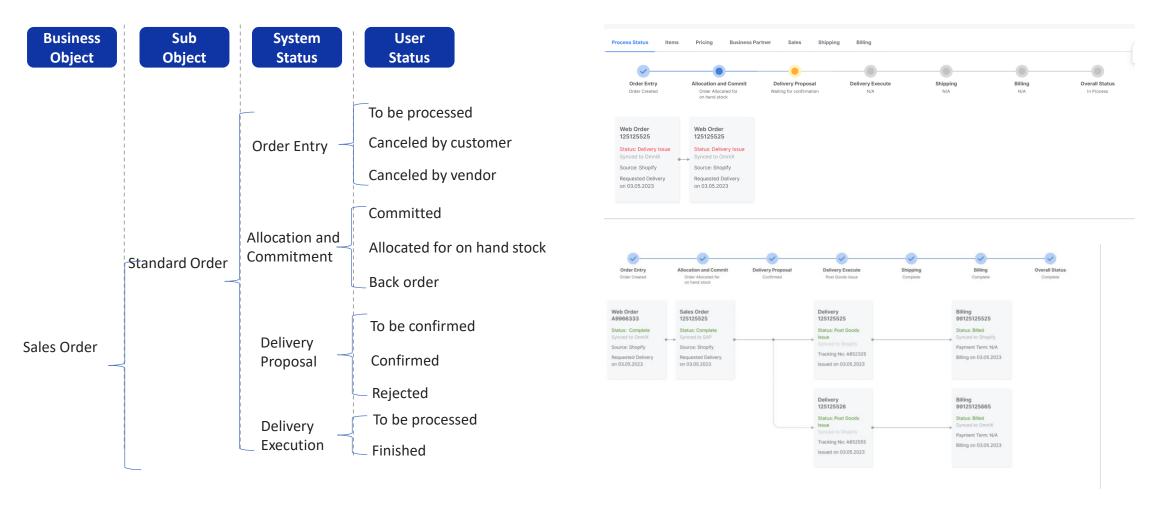
Company	Business Object	Sub - Object	Sequence	System Status
8000	Sales order	Standard Order	1	Order Entry
8000	Sales order	Standard Order	2	Allocation and Commitment
8000	Sales order	Standard Order	3	Delivery Proposal
8000	Sales order	Standard Order	4	Delivery Execution
8000	Sales order	Standard Order	5	Shipment
8000	Sales order	Drop ship Order	1	Order Entry



Better categorize business processes



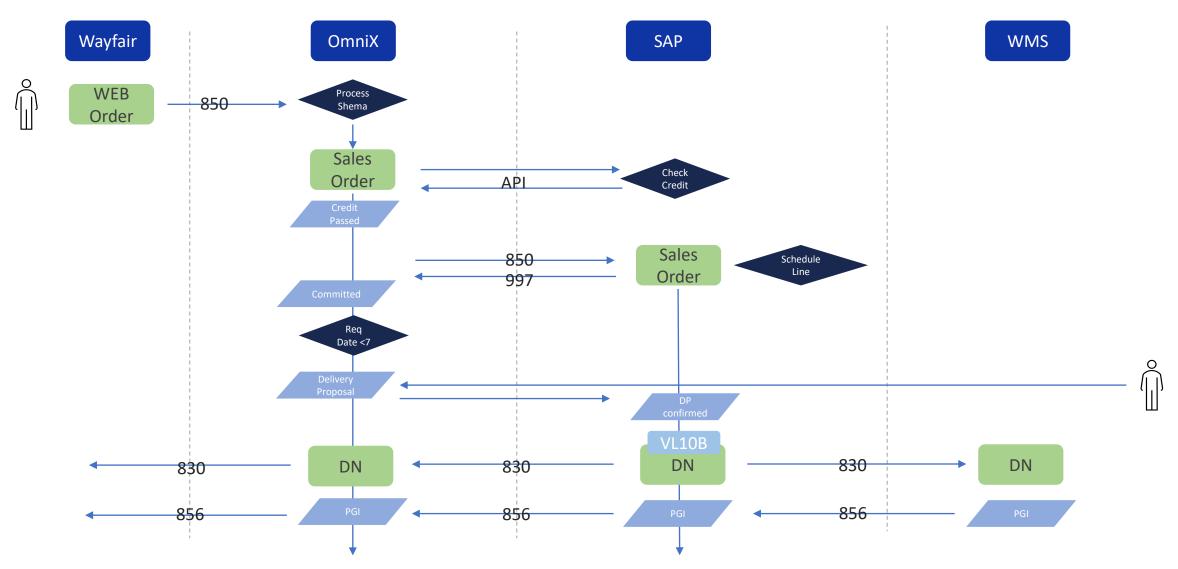
OmniX offer to categorize the business processes from web order, sales order, outbound delivery, billing, purchase order, inbound delivery, invoice and shipment. Subcategory can be customized like order type, process status and status based business rules etc.



Order fulfillment across systems

Walk EDI through order to delivery

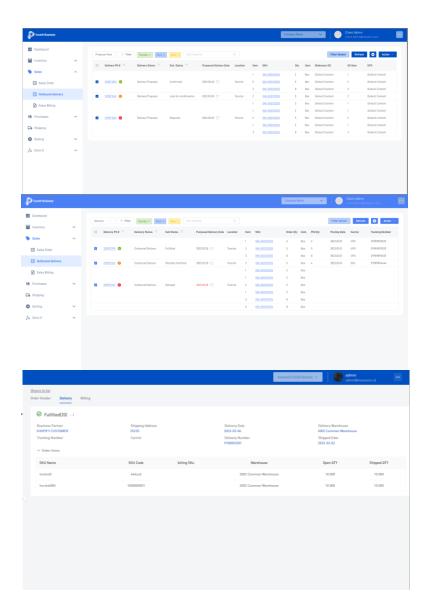




Order fulfillment across systems

Working joint, delivery proposal to warehouse operation





After get schedule line from SAP, Omnix will automatically generate **delivery proposal** based on schedule line (For example, 7 days before proposed delivery date). Warehouse administrator will log in to Omnix to confirm or modified the proposal.

- If the proposal is confirmed, a trigger will be sent to SAP, and the background job VL10B will only create DN with that signal.
- If the proposal is modified by delivery date, the updated delivery date will be sent to SAP, but not influence the original schedule line(which means the inventory is still allocated for this order), only influence the planned GI date on DN.
- If the proposal is rejected (For example, inventory is insufficient in reality, but available in system), the sales order will be throwed to the exception handler module.

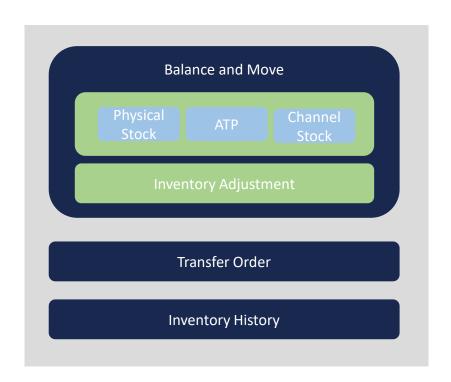
Outbound delivery is generated from SAP background job, and synchronized to OmniX. User could check DN status and get more visualized statistics by BI report. After PGI, OmniX will also trigger EDI 856 to E-commerce channel with tracking number if applicable.

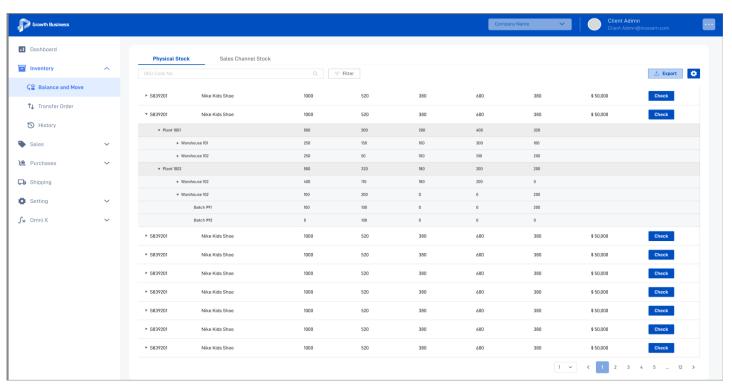
Multi-Channel Inventory

Know all about your inventory across systems



OmniX Inventory is real time synchronized with 3rd system e.g. SAP, the features which it could offer working mechanic with external system from features like balance and movement, transfer order and inventory history etc.





Physical Stock Report provide real-time access to inventory data and allow users to view stock levels, movement, and availability in a warehouse or storage location. It provides a more detailed view of a material's stock situation. It allows users to view inventory in different stock types, such as unrestricted, quality inspection, or blocked stock. Users can also view a material's current stock level and status across different plants and storage locations, even batches if applicable.

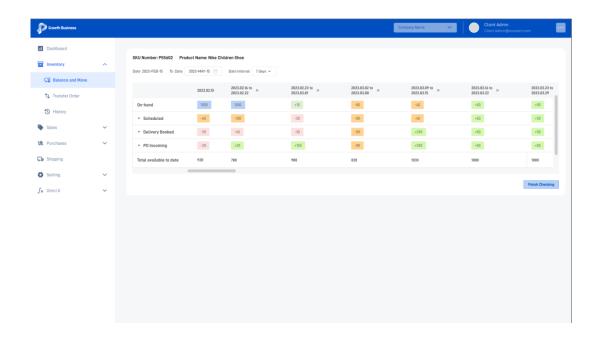
Extensive ATP (available to Promise)

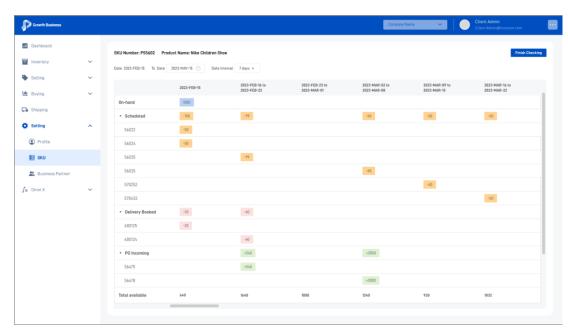
Make flexibility to the order commitment



Omni X Extensive ATP provides accurate and reliable order promise dates considering the relevant stock in real-time, while protecting companies' business priorities and profitability goals. Within a visualized ATP list based on scaled time slot, it is easily to posit your stock quantity where it is on-hand in stock, scheduled for delivery, incoming from purchase, or booked for delivery.

You could also go into your current inventory to different levels in one single layout, such as to company, to plant, to warehouse even to batch if needed.





Extensive ATP helps you,

- Promise what you can deliver and avoid over-confirmation
- Manage multi-channel order fulfillment process
- Ensure right supply assignment to right orders
- Reduce shortage situations

Multi-Channel Inventory

Synchronize the stock strategy touchless and real-time



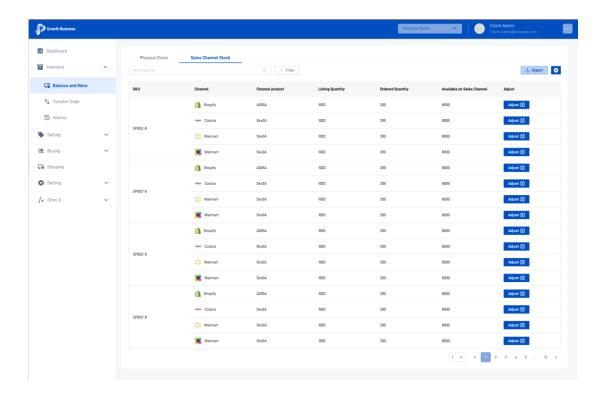
Multichannel listing refers to the practice of selling products or services through multiple online sales channels, such as e-commerce platforms, marketplaces, and other websites. Listing updates across channels involve a lot of manual labors and mistakes. With leverage of powerful integration and optimization features, these could be reduced and improve business efficiency via Omni X Channel Listing features.

You could facilely update your,

- SKUs
- Available stock
- Listing price

via a centralized and visualized workbench to all your channels.

Meanwhile, you could also get instant alerts on sales channel which is potentially out-of-stocks, in order to take quick action. This can help you stand out in a crowded market and improve the overall customer experience and increase customer satisfaction.



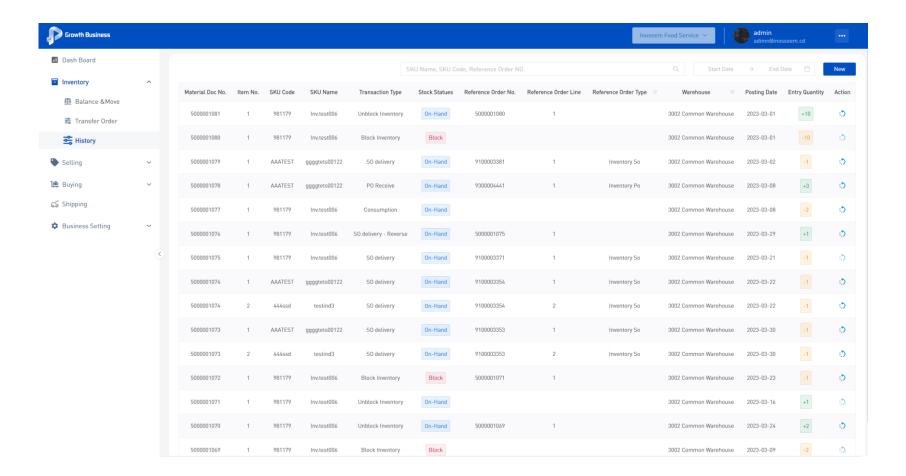
Multi-Channel Inventory

Know all about your inventory movement



It provides an overview of all material documents, such as goods receipts, goods issues, and transfer postings, that have been created in the system.

User could view material documents based on various selection criteria, such as material number, movement type, document date, and posting date.



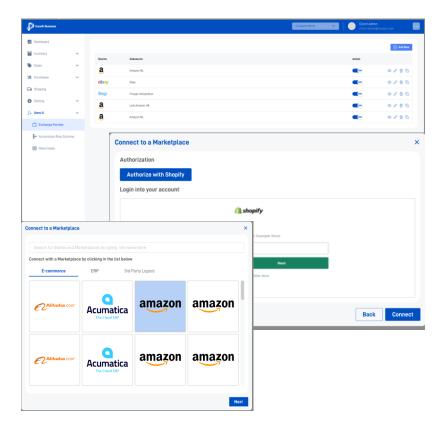
Logistic Execution Hub

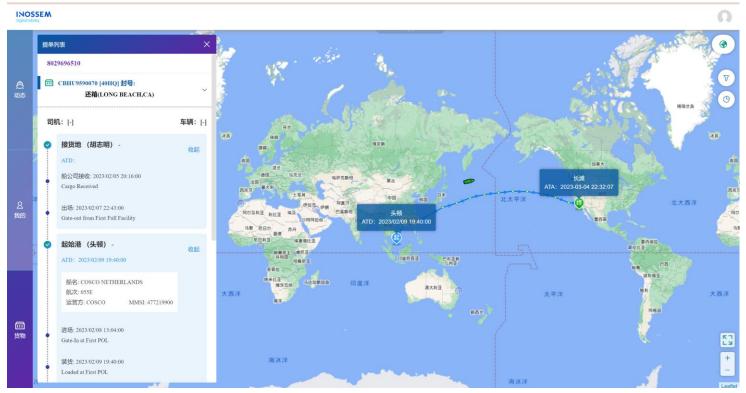
Working joint, Shipping to arrival



OmniX shipping will be focus on inbound and outbound shipping integration

- For inbound shipping, integrate with container info provider to get more accurate ETA and ETD. Inossem has several partner could provide those information and API. In that case, ETA and ETD will up to date and make the overall supply chain more accurate.
- For outbound shipping, integrate with carrier provider such as DHL, UPS and track companies. Inossem also has rich experience integration with Shipstation to get final delivered time to customer door.





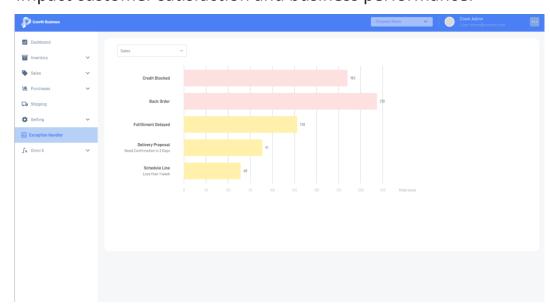
Exception Handler

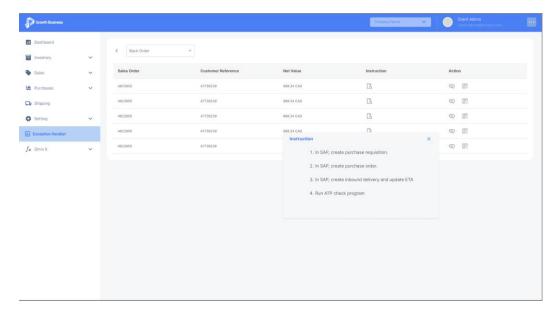


Manage business exception, maloperation, cancellation, rush order etc.

Order exception used to manage exceptions that occur during the order management process. Exceptions refer to situations where orders deviate from normal processing due to errors, delays, or other issues. The exception handler is responsible for identifying, prioritizing, and resolving these exceptions to ensure that the order management process runs smoothly.

During the entire order management process from order entry to order fulfillment, when an exception occurs, the exception handler is notified, and it evaluates the exception to determine its severity and impact on the order management process. It plays a critical role in ensuring that orders are processed efficiently and effectively, and helps to minimize delays and errors that can impact customer satisfaction and business performance.





Based on the various business object in Omnix, exception handler has two major views: sales exception and purchase exception. Exception are identified as critical (red) and adverb (yellow) level. Each view summarize the exception by different reasons, and the reasons could be customized in OmniX configuration.

Build the decision Engine for your Omni-business Easy to customize the rules and preset the flowing automation



There are different business rules and processing logic in the business process.

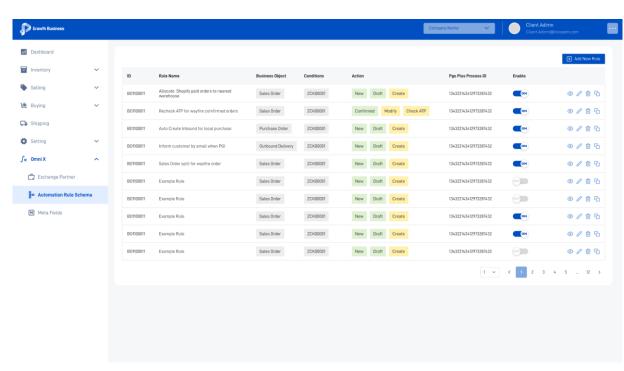
Example:

All Shopify paid sales order needs to be confirmed and allocated in 48 hours, and order value more than 99 dollars should use UPS express shipping, meanwhile call UPS API to get tracking number in advance)

Automation Rule Schema can abstract business scenarios into code blocks through simple configuration and low code. When a corresponding event is triggered, match the corresponding condition and logic from the code base for processing. At the same time, if the process has an external system call, the transfer of business objects and information between systems is executed by triggering the process id of BPMN.

Advantages of implementing decision engine

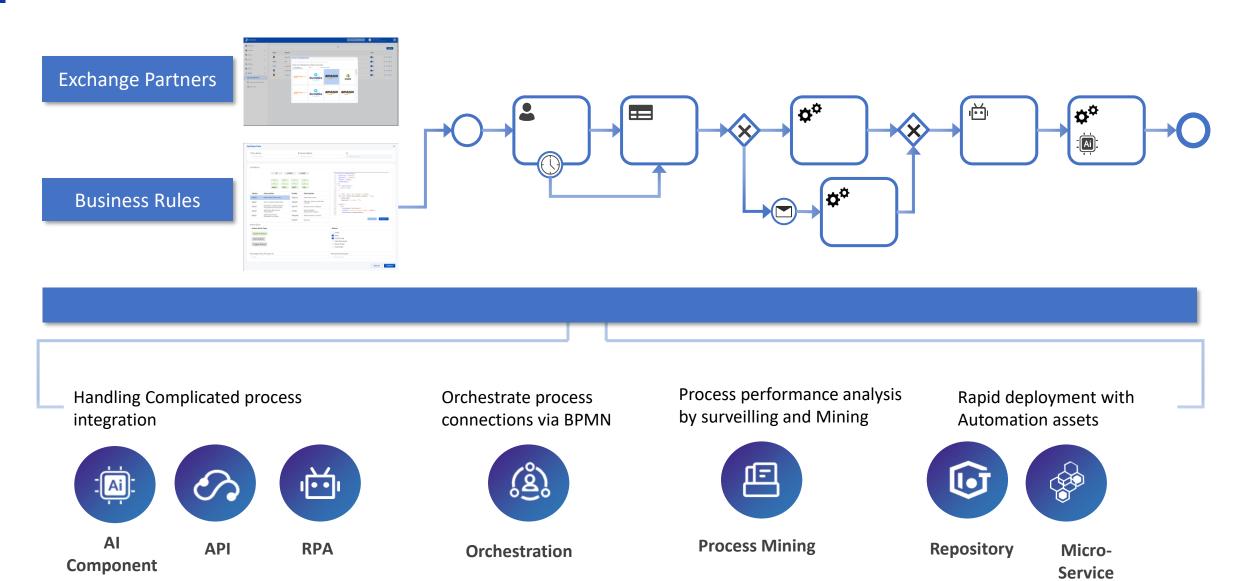
- Impact free on standard source code
- Impact free on software upgrades
- Flexible definition of business rules and logic
- Operating automation across system landscape



Managing integration with Hyper Automation technology

A synchronization to powerful BPMN (Business Process Management Notation) INOSSEM





Roadmap of Co-innovation

10 months copilot



01

02

03

04

Product Design

Feb 15 to April 15

Design software architecture
Design database schema
Design the user interface.

Implementation S1

May 01 to Aug 31

Implement features include: Primary insight

Sales workbench

Purchase workbench

Inventory

Schema and coding block

Exchange partner set up

Major business scenario integration

Implementation S2

Sep 15 to Oct 30

Implement features includes:

BI dashboard

Exception Handler

Follow on business scenario

integration

Implementation S3

Nov 15 to Dec 15

Implement features includes:

Shipment

Shipping integration



THANKS FOR YOUR ATTENTION

INOSSEM

INNOVATION | NETWORKING | OWNERSHIP