Aratum

Aratum Silo:
Warehouse Management System | Solutions Guide

Simplify, digitalize and automate your warehouse operations

Modern challenges

In this era of AI and machine learning, we are witnessing data-fed algorithms propelling our productivity unprecedentedly. Globally, the McKinsey researchers calculated that **49%** of time spent on work activities could be automated.

Traditional, disjointed tools can't provide the speed, scale and analytics capabilities needed to support modern digital business for real-time visibility, smart altering and rapid troubleshooting.

Why legacy warehouse management systems make your job harder:

• **Fragmented data.** Many warehouse management systems impose limitations on the structure of data they ingest. This creates critical visibility gaps both for users and analytic algorithms, resulting in missed detection of customer-impacting issues and longer issue resolution times. Most legacy platforms simply can't ingest anywhere near the full firehose of data that modern supply chain emits.

While you are struggling, your competitors make use of a holistic suite of tools to thrive in an ephemeral cloud-based environment.

• **Slow performance.** Slow is the new down. Supply chain is a complex web of interdependencies. Disruptions happen in a matter of seconds. Warehouse management system that weren't built to operate at this speed and scale or to quickly handle bursts in demand are simply ineffective.

• **Lack of intelligence.** Huge amounts of data are generated from each transaction. Most warehouse tools are spreadsheets that don't come with any built-in intelligence that add relevant context to the data. It takes too many people too long to figure out what the problems are.

• **Too many tools.** Multiple tools that weren't built for modern environments make life difficult. Businesses often must adopt several tools to gain insight into their operations, leading to tool sprawl, data poisoning, disjointed workflows and additional training and operation costs.

Key features

- Cloud/Multi-Cloud/Hybrid solutions available
- Integration with Internet of Things (IoT)
- Security with Identity Access Management (IAM)
- Automation with shipping rules
- Advanced shipping notifications
- Real-time shelf & storage visibility
- Out-of-the-box billing and invoicing
- One-click generation of pick-and-pack lists
- Customization of labels

2023
OFFICIAL MEMBER
Forbes
Business Council

OFFICIAL MEMBER
LSCM
Logistics and Supply Chain MultiTech R&D Centre
物流及供應鏈多元技術研發中心

100%
SERVICE
SATISFACTION

Aratum is the only solution provider in the market that offers **100%** Service Satisfaction Guarantee. We won't stop until it works.

Aratum

Aratum

How does Aratum Silo transform the life of different stakeholders?

Deliver products faster (Warehouse manager)
Accelerate your delivery process and time to market to meet business objectives more quickly

Seamless integration with API (CTO)
Aratum Silo is the only one seamless workflow that can streamline your whole life cycle of warehouse issues from prevention, discovery to resolution

Reduce unplanned work (Warehouse manager)
Proactively improve receival planning, inbound and outbound shipping with your resources allocation

Traceability of data from the start of collection (CEO, Warehouse manager)
Investigate and explore issues without learning a line of code

Improve operational efficiency (COO, CFO)
Enhance observability and control into cloud utilization and right-size your supply with demand

Save unnecessary steps (Warehouse operators)
Simplified work flow to save labor and digitize steps to prevent manual errors from happening

How does it work?

SUPPLIER — INBOUND → WAREHOUSE — OUTBOUND → CUSTOMER

DELIVERY

Receive ➤ Pick ➤ Pack ➤ Ship
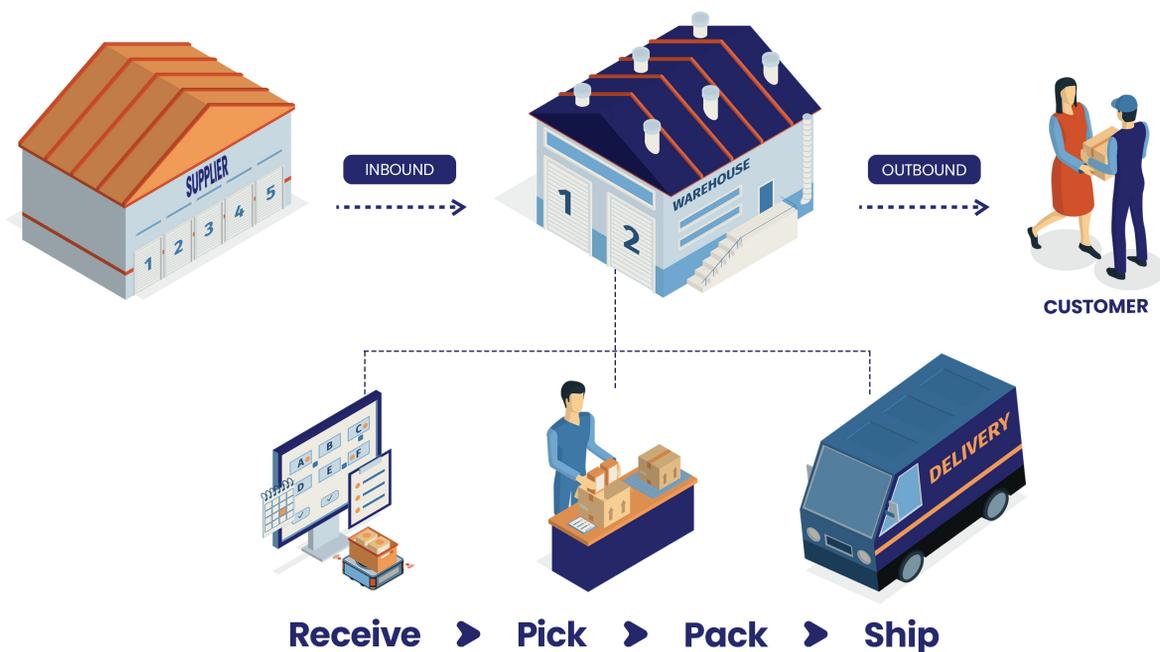
With Aratum Silo, you will:

• Receive status updates on inbound and outbound shipment (ASN)
Ensure that warehouse spaces and workers are with sufficient capacities to take in orders, transfers, and do pick-and-packs.

• Fully control how you organize the materials in stock
Increasing warehouse visibility makes the overall organization much more easier to track. Set up work flow that utilizes first-in-first-out (FIFO) method in Silo – especially useful if you are selling perishable products. Kitting and bundling is also a setting at your fingertips.

You can tailor for festive demands and promotions easily.

• Manage employee's productivity and warehouse wellness
An efficient warehouse environment ensures that workers are thriving in a range of clarified activities. Schedule processes with feasible task allocation to control quality of distribution. Silo's user-friendly interface means your staff can be trained to use this without a frustrating learning curve.
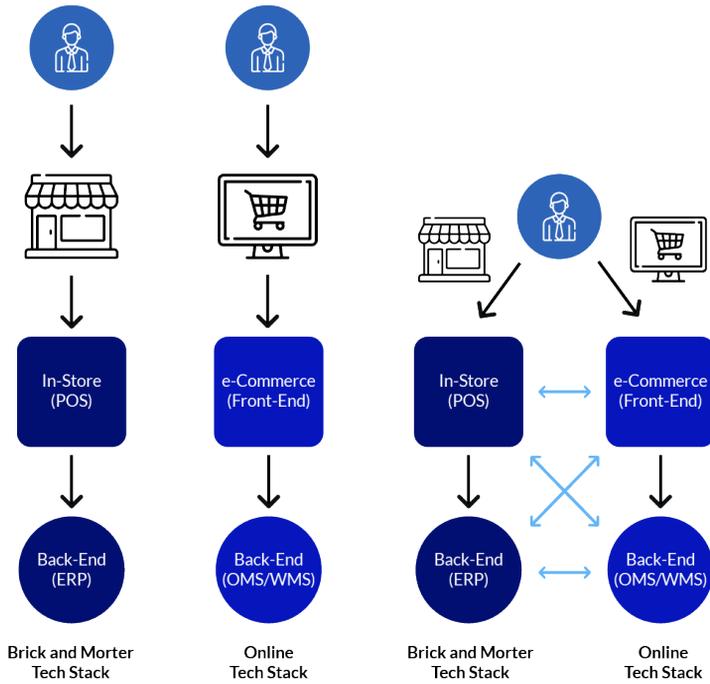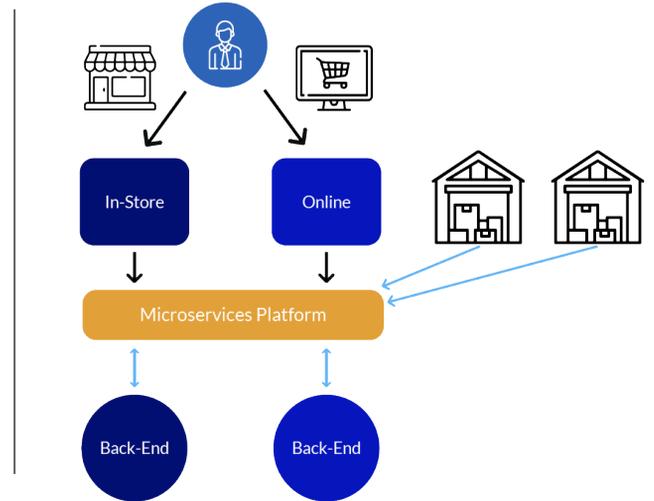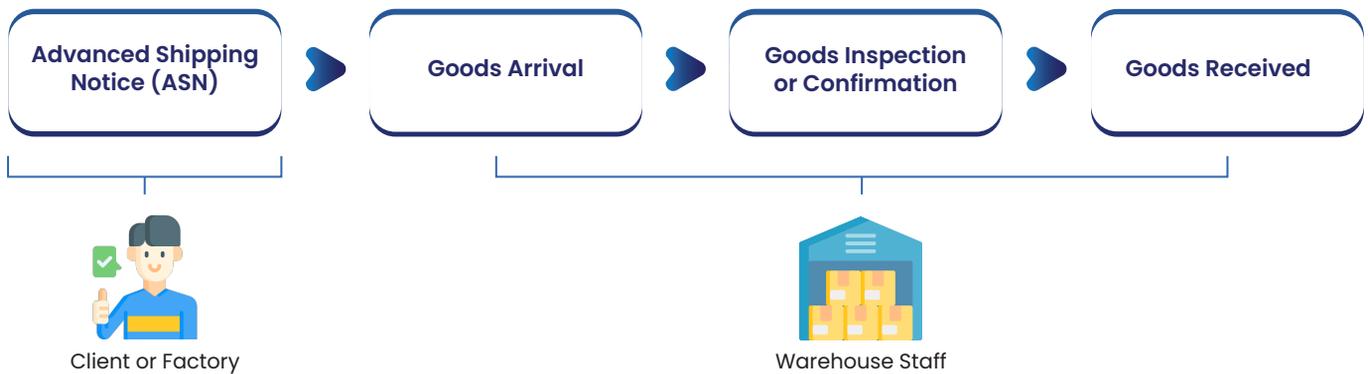
Aratum

Traditional vs Aratum

Figure 1: Traditional Models

Figure 2: Aratum Approach

In-Store (POS) → Back-End (ERP)
Brick and Morter Tech Stack

e-Commerce (Front-End) → Back-End (OMS/WMS)
Online Tech Stack

In-Store (POS) → Back-End (ERP)
Brick and Morter Tech Stack

e-Commerce (Front-End) → Back-End (OMS/WMS)
Online Tech Stack

In-Store / Online → Microservices Platform → Back-End / Back-End

Inbound Flow

| Advanced Shipping Notice (ASN) | ▶ | Goods Arrival | ▶ | Goods Inspection or Confirmation | ▶ | Goods Received |

Client or Factory

Warehouse Staff

Outbound Flow

| Order Creation | ▶ | Instructions Sent | ▶ | Warehouse Receives & Processes |

Note: Every order has a unique 16-digit code for scanning to reveal order details.

Aratum Silo's customers have seen the following benefits

As consensus builds around the need of Environment, Sustainability and Governance (ESG), our client is thriving as one of the largest metal recycling companies in the Philippines. Established with warehouses all over the region, the collection of scrap metals has been a complex process. The increasing volume of inflow and outflow of materials involve tedious records and has made manual tracking more and more difficult.

Aratum Silo allows transmission of data from weighing scales and CCTV camera through Internet. With such Internet of Things (IoT) integrations ready, our client can capture real-time data from the incoming metal-loaded trucks and streamline their operations with automation.

Results

- Before and after: Handling time of scrap metals shortened **53%**
- Automation with integration of weighing scale and CCTV helps saves **49%** tracking costs
- Visualized and digital record for every link of the metal recycling process
- Illuminate business insights as management team can see the real-time updates of the transactions on our cloud software

"From our initial requirements, the specialists of Aratum had helped us tailored a system that meets exactly our needs. We are very happy to have this technology as our business edge, our weapon."

- **Leading scrap metal processing plant**, The Philippines

Aratum Silo is a module of Aratum Horizons. Aratum Horizons is the only enterprise-grade supply chain management solutions that offers **100%** service guarantee. We won't stop until it works for your business.

Aratum

Follow us on LinkedIn: **www.linkedin.com/company/aratum-global**   **www.aratum.com**

Our other solutions cover management of warehouses, inventory, transportation, and financials.
For more information on Aratum, contact sales@aratum.comor scan the QR code here to arrange a demo and consultation.