

Barkyard Private Limited

High-volume manufacturing, warehouse and fulfilment operations redesigned around Odoo.

3	100+	25+	500+	20,000+
Manufacturing units	Stores	Franchise partners	B2B customers	SKUs

THE BUSINESS

Barkyard manages pet food, pet clothes and pet toys for dogs and cats, with manufacturing, warehousing, logistics, retail and B2B fulfilment operating as one supply chain.

THE IMPLEMENTATION OBJECTIVE

Create a connected Odoo operating model for production, warehouse execution, fulfilment, logistics, purchasing, sales and accounting, while introducing custom controls where standard Odoo was not sufficient for the operational scale.

"The goal was not to customise Odoo everywhere. It was to make Odoo work correctly where standard workflows met real operational complexity."

01 | EXECUTIVE SUMMARY

Executive Summary

Barkyard required an ERP operating model capable of supporting a high-volume, multi-location business. The implementation covered Accounting, Inventory, Manufacturing, Purchase, Sales and CRM, and extended them with custom workflows for warehouse execution, fulfilment, logistics, returns, intercompany transactions and catalogue management.

Why the project was operationally complex

- More than 20,000 SKUs created significant catalogue and warehouse-management volume.
- Three manufacturing units fed a broader warehouse and distribution network.
- Products were fulfilled to 100+ stores, 25+ franchise partners and 500+ B2B customers.
- Stock could move between warehouses, branches and companies, requiring controlled transaction relationships.
- Lots, expiry dates and quantities needed to remain meaningful across the supply chain.
- Warehouse employees needed a practical mobile execution layer instead of relying entirely on desktop ERP screens.

Solution at a glance

Warehouse intelligence

Pick_Path prioritises which available stock quantity should be picked.

Connected fulfilment

Delivery validation drives invoicing and ClickPost connects fulfilment to logistics.

Cross-entity control

SO-PO synchronisation and ICT support controlled movement across entities.

Operational mobility

Mobile workflows support picking, packing, labelling, movement and audit.

High-volume catalogue

A streamlined process was designed for 20,000+ SKUs.

Financial linkage

Returns and purchase returns connect to CN/debit-note processes.

02 | CORE WAREHOUSE & FULFILMENT WORKFLOWS

Core Warehouse & Fulfilment Workflows

01 | Pick_Path

Intelligent stock-selection for high-volume warehouse picking

The warehouse could have thousands of units of the same product available. A simple instruction such as “pick 100 units” does not answer which stock should be selected. Pick_Path introduces a prioritised stock-selection layer into the picking process.

Functional flow

ORDER	AVAILABLE STOCK	PICK PRIORITY	WAREHOUSE EXECUTION
• Identify product and required quantity. • Evaluate relevant available stock. • Apply the defined picking priority. • Guide warehouse execution and retain the transaction relationship.			

02 | Return Management

One connected operational and financial return process

Returns affect both stock and finance. The custom flow simplifies inventory return processing and the related credit-note creation, keeping the operational event and financial consequence connected.

RETURN REQUEST	INVENTORY RETURN	CREDIT NOTE
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03 | Automatic Invoicing

Delivery validation as the billing trigger

Invoicing was connected to delivery validation so billing follows an actual fulfilment event rather than depending on manual follow-up.

SALES ORDER	DELIVERY	VALIDATION	INVOICE
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03 | CROSS-ENTITY & LOGISTICS INTEGRATION

Cross-Entity & Logistics Integration

SO-PO Synchronisation

Cross-company and cross-branch transactions required stronger relationships between Sales Orders and Purchase Orders. The synchronisation included product, quantity, lot and expiry information so connected transactions remain traceable across the relevant entities.

TRANSACTION	KEY DATA	PURPOSE
Sales Order	Product, quantity, partner	Demand / fulfilment trigger
Purchase Order	Product, quantity, related transaction	Supply-side transaction
Inventory	Lot, expiry, quantity	Physical stock traceability
ICT	Source / destination warehouse	Controlled internal movement

ICT – Inter-Warehouse Movement

ICT provides a structured mechanism for moving products between warehouses within the relevant branch/company and state structure, replacing informal coordination with a controlled internal stock-movement process.

SOURCE WAREHOUSE	TRANSFER	STOCK MOVEMENT	DESTINATION
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ClickPost Logistics Integration

Odoo fulfilment was connected with ClickPost so logistics execution sits inside the broader order-to-delivery process. The objective was to avoid treating logistics as a separate manual system and instead connect shipment execution to the ERP lifecycle.

04 | WAREHOUSE SCALE & OPERATIONAL MOBILITY

Warehouse Scale & Operational Mobility

Automatic Lot Generation

Lot creation was automated using business rules based on warehouse, date, product and the timing/occurrence of the GRN. This creates a consistent lot-generation mechanism and reduces manual decisions at receipt.

WAREHOUSE	DATE	PRODUCT	GRN OCCURRENCE	LOT
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Catalogue Management for 20,000+ SKUs

At this scale, product-master management becomes an operational constraint if every product must pass through unnecessary manual steps. A streamlined catalogue workflow was designed to bypass non-essential standard steps while preserving the controls required by the business.

Mobile Warehouse Application

A dedicated mobile application was introduced for warehouse execution, giving warehouse users a practical interface for day-to-day operations.

PICK	PACK	LABEL	MOVE	AUDIT
Execute picking activities.	Manage packing.	Support labelling.	Record product movement.	Support inventory audit.

05 | REPORTING, CONTROLS & BUSINESS IMPACT

Reporting, Controls & Business Impact

Management & Compliance Reporting

More than 10 management-oriented and compliance-oriented reports were built across sales, inventory and accounting. The reporting layer was designed to provide practical operational visibility rather than simply reproduce standard ERP reports.

AREA	REPORTING PURPOSE
Sales	Operational visibility into sales and fulfilment-related information.
Inventory	Stock and movement visibility for warehouse and supply-chain control.
Accounting	Financial and transaction-level visibility connected to operations.
Compliance	Structured information supporting operational and compliance review.

Purchase Return + Debit Note

A single-click purchase-return workflow connects the physical return with the corresponding debit-note process, helping maintain consistency between warehouse activity and the vendor-side financial transaction.

PURCHASE	RECEIPT	PURCHASE RETURN	DEBIT NOTE
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Before → After

BEFORE	AFTER
Manual stock-selection decisions	Pick_Path introduces prioritised stock selection
Returns and CN handled separately	Connected return and credit-note workflow
Manual invoice follow-up	Delivery validation drives invoicing
Separate logistics process	ClickPost connected to fulfilment
Manual cross-entity coordination	SO-PO synchronisation and ICT controls
Difficult 20,000+ SKU catalogue process	Streamlined high-volume catalogue workflow
Desktop-heavy warehouse execution	Mobile picking, packing, labelling, movement and audit

06 | WHY THIS PROJECT MATTERS

Why This Project Matters

The value of this implementation was not simply the deployment of standard Odoo modules. The real challenge was translating a complex, high-volume supply chain into operational rules that could be executed consistently.

Questions the solution had to answer

- Which stock should the warehouse pick when thousands of units are available?
- How should products move between warehouses without losing operational visibility?
- How should Sales Orders and Purchase Orders remain connected across companies and branches?
- How should lot, expiry and quantity information remain traceable?
- When should an invoice be generated in relation to actual fulfilment?
- How should logistics execution connect back to the ERP?
- How can a 20,000+ SKU catalogue be managed without unnecessary process overhead?
- How should warehouse employees execute ERP processes efficiently from the warehouse floor?

Functional consulting contribution

This project demonstrates the type of Odoo work where functional analysis, process design, business-rule definition, cross-module thinking and close collaboration with development are more important than simply knowing where a standard setting is located.

ODOO	SUPPLY CHAIN	WAREHOUSE
Manufacturing • Sales • Purchase • Inventory • CRM • Accounting	Fulfilment • Intercompany • ICT • Logistics • Automation	Pick Path • Mobile Execution • Catalogue • Audit • Reporting

ODOO FUNCTIONAL CONSULTANT | SUPPLY CHAIN & ERP PROCESS DESIGN

I specialise in translating complex operational requirements into practical Odoo workflows, with particular strength in Inventory, Manufacturing, Warehouse, Sales, Purchase, Logistics and cross-functional automation.