



INTEGRATED MULTI-DC DISTRIBUTION

4 Warehouses. 2 Entities. One Distribution Brain.

Multi-DC Inventory Planner (10 AI models, stock transfers, festival planning, supplier performance, dead stock rationalization, working capital analytics) + Multi-Entity Finance (10 modules per entity, intercompany transfers, Tally XML export). Stock transfer savings flow directly into working capital freed. Festival demand spikes flow into cash outflow forecasts.

THE MULTI-DC DISTRIBUTION + FINANCE NIGHTMARE

DC-Level Stock Decisions, Entity-Level Cash

Warehouse manager orders Rs.15L of stock for DC-3. Finance at the entity level doesn't see it until the invoice arrives. Cash flow blown.

Inter-DC Transfers = Financial Ghost Zone

Stock moves from DC-1 to DC-3. DIP reduces recommended POs. But Finance has no record of the transfer value. Working capital numbers are wrong.

10 AI MODELS + 5 MULTI-DC MODULES

10 forecast models, Newsvendor, 13 connectors plus Multi-DC Manager (hub-spoke/peer), Stock Transfer Engine (net savings filter), Festival Scenario Planner (8 Indian festivals), Dead Stock Rationalization, Supplier Performance Tracker, Working Capital Dashboard per DC.

10 FINANCIAL MODULES x PER ENTITY

10 AI models per entity plus: intercompany transfer tracking, Tally XML export (6 voucher types), GST bulk ingest. Each entity maintains independent financial records. Cross-entity consolidation.

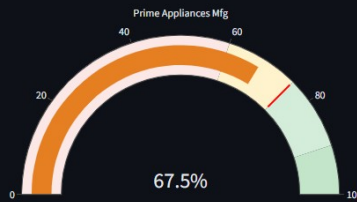
THE INTEGRATION VALUE

Stock Transfers → Working Capital Freed Distributor Inventory Planner (DIP) recommends inter-DC transfer of 200 units. MFP v2 quantifies: Rs.3.2L inventory value moved, not purchased. Working capital freed = cash saved.

Festival Planning → Cash Requirement DIP says Diwali needs Rs.18L of extra stock by Sep 15. Finance Planner (FP) projects the cash outflow and checks if AR collections + credit lines can cover it.

Supplier Performance → Payment Priority DIP tracks on-time delivery and fill rates. FP v2 uses this to prioritize payments: reliable suppliers get paid first, unreliable ones wait.

Supplier Performance — DC 2



Lead Time Trend — S-301 — Prime Appliances Mfg



Fill Rate by Supplier



Full Supplier Scorecard

Supplier	POs	Avg Lead Time (actual)	Avg Lead Time (promised)	Avg Delay (days)	On-Time %	Fill Rate %	Reliability Score	Grade	SS Multiplier
S-301 - Prime Appliances Mfg	40	23.9d	24.2d	-0.3d	47.5%	97.5%	67.5	Fair	1.30x

PO-Level Detail

Select Supplier

S-301 - Prime Appliances Mfg

Supplier Dashboard – Performance, Cross-DC Summary, Supplier Score card, PO-Level Detail



COMPLETE MODULE MAP

Inventory Planner — Planning Intelligence

10 AI models, Newsvendor, 13 connectors, DC Manager, Stock Transfers, Festival Planner, Dead Stock, Supplier Performance, Working Capital per DC.

Integration Layer

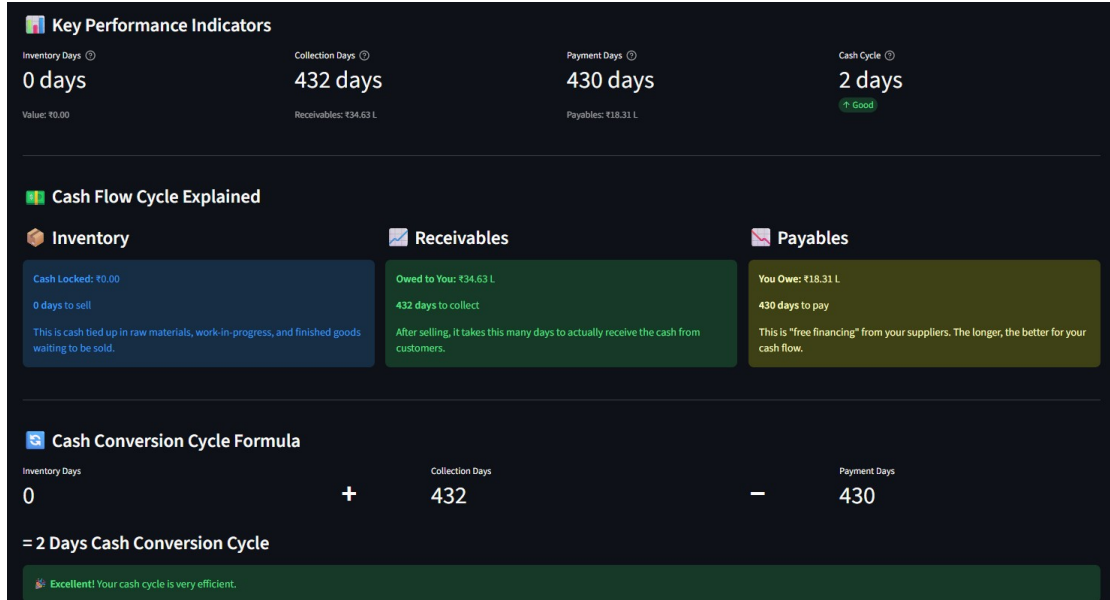
Stock recommendations → cash outflow. Inventory values → working capital. Supplier terms → payment priority. Festival spikes → cash planning. Transfer savings → capital freed.

Finance Planner — Financial Intelligence

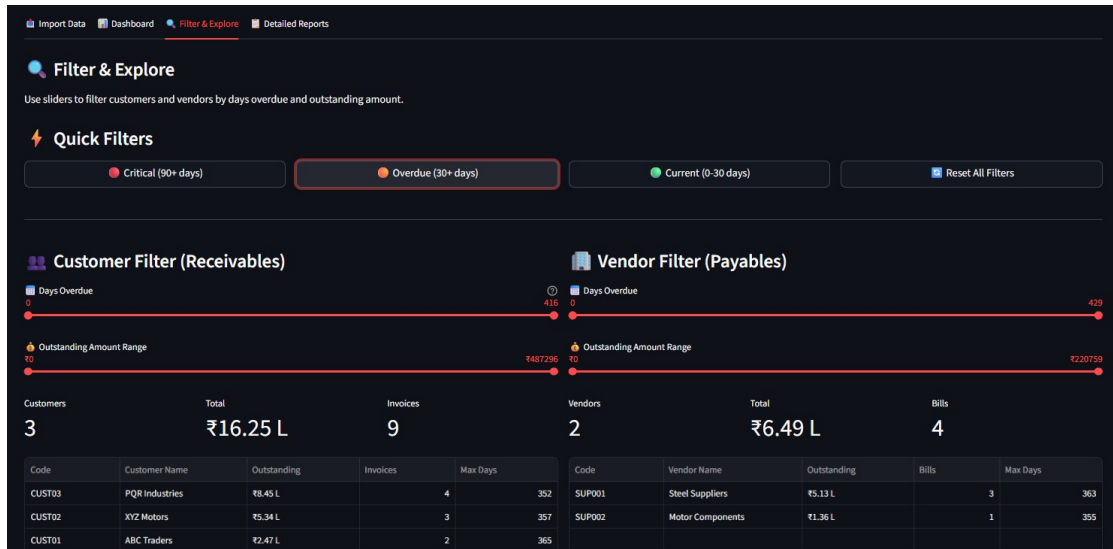
Credit Risk, Payment Optimization, Profitability, Ratios, Working Capital, AR/AP, GST Health, Compliance Calendar, Cash Flow, Bank Recon — per entity.

Infrastructure

Multi-DC + multi-entity database. Intercompany transfers. Tally two-way XML. GST per GSTIN. 13 data connectors. Hardware-locked desktop.



Working Capital Cockpit - Cash Flow & Liquidity Management



Accounts Receivable / Payable - Aging Analysis & Collection Management

THE BUSINESS CASE

15+ DC + Finance modules	Rs.20L+ Freed via stock transfers	8 Indian festivals built in	Per Entity GST + compliance tracking
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WHO IT'S FOR

Regional Distributors 2-10 DCs, Rs.50-300 Cr. Multiple territories, seasonal demand.	FMCG Networks Festival-driven demand spikes. Inter-DC transfer opportunities. Tight margins.	Pharma Chains Multi-location, expiry-sensitive, regulatory compliance per entity.	CFO + Ops Head One system for distribution intelligence AND multi-entity financial control.
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