INDUSTRY PRODUCT CATALOG

Logistics & Distribution

Vortex DeliveryPulse

Every truck, every pallet, every exception, on one view

Transport, warehouse and decision-support modules for distributors, transporters, 3PLs and manufacturers running their own dispatch. Run any module on its own beside your current ERP, or combine them into one integrated operation.



WHAT WE HEAR FROM OPERATORS EVERY WEEK

- Trucks lose hours per trip to paperwork, checkpoints and manual hand-offs
- A single wrong digit or value mismatch on an e-way bill can detain a loaded vehicle
- Return legs run empty and trucks sit idle between trips, unseen until month-end
- Freight bills and detention claims are paid without checking against contract rates
- The ERP shows stock the warehouse cannot find, and stock-takes stop the operation
- Delays are discovered when the customer calls, not when they could still be fixed

Context: KPMG India (Jan 2026) estimates trucks still lose 6–8 hours per trip to manual interventions; e-way bill enforcement was tightened again from 15 June 2026.

FULL INTEGRATION PATH

Vortex DeliveryPulse Enterprise One

All sixteen modules on one data model: order to dispatch, dock to doorstep, with one control tower watching the whole flow. Delivered in phases, starting with your most expensive problem.

OR SELECT INDIVIDUALLY | EVERY MODULE RUNS STANDALONE

Transport & Fleet

6 MODULES

Trips, fleet, freight cost, gates, drivers and proof of delivery.

Warehouse & Distribution

6 MODULES

Receipt, storage, picking, stock accuracy, labour and equipment.

Automation & Decision Support

4 MODULES · SMARTAI-PULSE POWERED

Rerouting, disruption control, control tower and stock positioning.

WORKS WITH THE SOFTWARE YOU ALREADY RUN *

Keep your ERP. Add the module that fixes the gap.

Integrates with: your existing ERP, accounting or industry software · legacy and in-house systems · GPS and telematics · FASTag · weighbridges · barcode scanners · e-way bill and e-invoice services

Each module page shows exactly what it exchanges with your current system.

vortex-digital.tech/industries/logistics-software-chennai — see the industry page

** Integration with existing software is subject to a technical feasibility analysis of your current system and its available interfaces.*

VORTEX DELIVERYPULSE

6 MODULES

Transport & Fleet Operations

For shippers with their own fleet, transporters and distributors: plan the load, run the trip, pay the right freight and prove the delivery.

VORTEX DELIVERYPULSE

Trip & Load Module

THE PROBLEM

Loads are planned on phone and paper. Trucks leave half-full or overloaded, and one wrong vehicle number on the e-way bill can detain the whole trip.

WHAT IT DOES

- Load plans by weight, volume and drop sequence
- Trip sheet, lorry receipt and e-way bill data from one entry
- Invoice-to-e-way-bill value and vehicle checks before dispatch
- Expiry alerts while the truck is still on the road

WORKS WITH YOUR EXISTING SYSTEMS *

Pulls invoices and delivery orders from your existing ERP or accounting soft
posts trip cost back against each invoice. E-way bill data through your GST provider or the government API.

VORTEX DELIVERYPULSE

Fleet Utilisation Module

THE PROBLEM

Trucks run empty on the return leg and sit idle between trips, but the pattern only shows up in the month-end P&L.

WHAT IT DOES

- Loaded vs empty kilometres per truck
- Idle days with the reason recorded
- Return-load matching on your own lanes
- Cost per kilometre and per trip by vehicle

WORKS WITH YOUR EXISTING SYSTEMS *

Reads the GPS, telematics and FASTag data you already collect. Vehicle-wise cost posts to your accounting system as cost centres.

VORTEX DELIVERYPULSE

Freight Audit Module

THE PROBLEM

Transporter bills are paid on trust. Rate differences, duplicate lines and detention claims slip through because nobody checks every line against the contract.

WHAT IT DOES

- Every bill checked against contracted lane rates
- Detention charges validated against gate timestamps
- Disputes logged with evidence attached
- Only approved amounts released for payment

WORKS WITH YOUR EXISTING SYSTEMS *

Reads contract rates and the vendor master from your ERP.
Approved freight bills flow to accounts payable in your accounting software v
no retyping.

VORTEX DELIVERYPULSE

Yard & Dock Module

THE PROBLEM

Trucks queue at the gate for hours, docks are idle one hour and jammed the next, and nobody can prove who caused the wait.

WHAT IT DOES

- Gate appointment slots by transporter
- Arrival-to-exit clock for every vehicle
- Dock allocation by load type and priority
- Waiting-time reports by transporter and customer

WORKS WITH YOUR EXISTING SYSTEMS *

Links the weighbridge, the security gate register and ERP inbound or outbound documents, so every vehicle is matched to its PO or sales order.

VORTEX DELIVERYPULSE

Driver & Duty Module

THE PROBLEM

Licence expiry, fitness and duty hours sit in a register until a checkpoint or an incident exposes the gap.

WHAT IT DOES

- Driver documents with expiry alerts
- Duty and rest hours per trip
- Allocation by route, vehicle type and experience
- Trip advances and expense settlement

WORKS WITH YOUR EXISTING SYSTEMS *

Advances and settlements post to your payroll or accounting system. Licence and vehicle checks through government services where access is approved.

VORTEX DELIVERYPULSE

Last Mile Proof Module

THE PROBLEM

Deliveries are disputed weeks later, and collection waits for a signed paper copy that is still in the driver's cabin.

WHAT IT DOES

- Photo, location and OTP proof at handover
- Short and damaged quantities captured at the doorstep
- Proof shared with the customer on WhatsApp instantly
- Delivery confirmation releases the invoice for collection

WORKS WITH YOUR EXISTING SYSTEMS *

Delivery status updates the invoice in your ERP, so billing and collection follow-up start the same day.

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VORTEX DELIVERYPULSE

6 MODULES

Warehouse & Distribution Operations

For distributors, depots, 3PL warehouses and plant stores: make the system stock and the shelf stock the same number.

VORTEX DELIVERYPULSE

Inbound & Receipt Module

THE PROBLEM

Material arrives without notice, is counted twice or not at all, and the ERP shows stock the store cannot find.

WHAT IT DOES

- Expected-receipt list from open orders
- Scan-based receipt against the purchase order
- Short, excess and damage recorded at the dock
- Put-away task created automatically

WORKS WITH YOUR EXISTING SYSTEMS *

Reads purchase orders from your ERP and posts goods receipts back, so the store and accounts see the same quantity.

VORTEX DELIVERYPULSE

Storage & Slotting Module

THE PROBLEM

Fast movers sit at the back, slow movers occupy the best locations, and pickers walk kilometres every shift.

WHAT IT DOES

- Stock visible to the exact location
- Slotting by movement speed, size and weight
- Periodic re-slotting recommendations
- Space utilisation by zone

WORKS WITH YOUR EXISTING SYSTEMS *

Uses item masters and sales history from your ERP. Your item codes and units stay exactly as they are.

VORTEX DELIVERYPULSE

Pick & Dispatch Module

THE PROBLEM

Pick lists are printed from the ERP, wrong items go out, and dispatch cut-offs are missed because nobody sequenced the work.

WHAT IT DOES

- Wave and batch picking by route and cut-off
- Scan-to-confirm every pick
- Packing lists and labels generated
- Dispatch readiness per truck

WORKS WITH YOUR EXISTING SYSTEMS *

Picks from ERP sales orders and delivery notes, then confirms dispatch back so the invoice and trip flow into Trip & Load.

VORTEX DELIVERYPULSE

Stock Accuracy Module

THE PROBLEM

The annual stock-take stops the warehouse for days, and the variance still cannot be explained afterwards.

WHAT IT DOES

- Continuous cycle counts by value and movement class
- Root cause captured for every variance
- Batch and expiry control
- Accuracy trend by zone and counter

WORKS WITH YOUR EXISTING SYSTEMS *

Adjustments post to the ERP only after approval, with a complete audit trail for your auditors.

VORTEX DELIVERYPULSE

Labour Planning Module

THE PROBLEM

Contract labour is booked on gut feel: idle on quiet days, short on peak days, overtime every month-end.

WHAT IT DOES

- Workload forecast from orders and expected receipts
- Headcount by shift and activity
- Productivity per person and task
- Contractor bill verification

WORKS WITH YOUR EXISTING SYSTEMS *

Attendance from your biometric or HR system; verified contractor bills to accounts payable.

VORTEX DELIVERYPULSE

Automation Interface Module

THE PROBLEM

Conveyors, sorters, AMRs or automated storage were bought as islands. They do not talk to the ERP, so people re-key everything.

WHAT IT DOES

- One task layer between business systems and equipment
- Task hand-off and confirmation both ways
- Equipment fault and exception alerts
- Throughput dashboards by shift

WORKS WITH YOUR EXISTING SYSTEMS *

Connects to equipment controllers through their available interfaces (API, database or file exchange) and to your ERP. Scope confirmed after a site survey.

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VORTEX DELIVERYPULSE

4 MODULES

Automation & Decision Support

Powered by the SmartAI-Pulse layer, working across your transport, warehouse and existing systems. People approve; the engines do the heavy lifting.

VORTEX DELIVERYPULSE

Reroute Module

THE PROBLEM

A closed road, a breakdown or a customer change means a planner spends an hour on the phone re-planning trips by hand.

WHAT IT DOES

- Recalculates routes and allocations when conditions change
- Options ranked by cost, time and service impact
- Planner approves before anything changes
- Updated arrival times to customers

WORKS WITH YOUR EXISTING SYSTEMS *

Uses live trip data from Trip & Load or your current tracking provider. Approved changes push back to dispatch.

VORTEX DELIVERYPULSE

Disruption & Exception Control Module

THE PROBLEM

Delays are found out when the customer calls, when the only remaining option is an apology.

WHAT IT DOES

- Rules watch every shipment for late, stuck, off-route or document risk
- Severity-based alerts to the right owner
- Recommended action, with approval
- Exception log with time-to-close

WORKS WITH YOUR EXISTING SYSTEMS *

Reads status from your ERP, GPS and warehouse systems. Alerts on WhatsApp, email or the dashboard.

VORTEX DELIVERYPULSE

Control Tower Module

THE PROBLEM

Inbound, warehouse and outbound status lives in five systems and three WhatsApp groups.

WHAT IT DOES

- One live view of inbound, storage and outbound
- Promise vs actual by customer, lane and supplier
- Drill down from a KPI to a single shipment
- Daily management summary

WORKS WITH YOUR EXISTING SYSTEMS *

Consolidates data from your ERP, spreadsheets, tracking and warehouse systems without replacing any of them.

VORTEX DELIVERYPULSE

Inventory Positioning Module

THE PROBLEM

Stock piles up in one depot while another runs out, and emergency transfers eat the margin.

WHAT IT DOES

- Target stock by location and item
- Transfer recommendations between depots
- Service level vs inventory cost trade-off
- Scenario testing before committing

WORKS WITH YOUR EXISTING SYSTEMS *

Reads stock and demand from your ERP. Approved transfers are raised back into it as transfer documents.

STANDARD ACROSS EVERY VORTEX INDUSTRY

Vortex SmartAI-Pulse core layer

- **Predictive analytics** — Forecasts and early-warning signals from your own operating history.
- **Executive & KPI dashboards** — Interactive views from company level down to a single order, truck or machine.
- **Workflow automation** — Routine reports, alerts and hand-offs run on their own, on WhatsApp, email or screen.
- **Human-in-the-loop approvals** — Anything that changes money, stock or a customer promise waits for a person to approve.
- **Disruption & exception handling** — Rules watch every transaction and escalate by severity to the right owner.
- **Decision audit trail** — Every recommendation, approval and override is recorded with who, when and why.

Where rules or optimisation give a reliable answer, we use them. AI is applied where it genuinely improves a decision, and never without a person accountable for the outcome.

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HOW WE WORK — Business first. Technology second.

01 · Understand
We map the real workflow and your current systems before recommending anything.

02 · Feasibility
We confirm what your ERP and equipment can exchange before we quote integration.

03 · Phase one
The first module fixes your most expensive problem and goes live in weeks.

Vortex SitePulse ● LIVE IN OPERATION

Proof that we integrate with systems others call closed

SitePulse runs live at a Chennai fuel outlet, reading a vendor forecourt controller that has no published interface: no new hardware, no write access, delivered in 3.5 weeks. We bring the same read-first discipline to your ERP and equipment.

Founder-led. 22+ years in enterprise supply chain and operations.

Magesh Raman spent over two decades at Ford Motor Company, Timken and St John Freight Systems before founding Vortex. We have run the operations we now digitise.

TYPICAL STARTING POINTS

Three modules, one phase, measurable in weeks

Transporters & fleet owners
Trip & Load + Freight Audit + Last Mile Proof

Fewer detained trips, freight paid at contract rates, collection from day one.

Distributors & depots
Inbound & Receipt + Pick & Dispatch + Stock Accuracy

System stock matches shelf stock, and the right items leave on time.

Plants running own dispatch
Yard & Dock + Trip & Load + Disruption & Exception Control

Gate queues and delays visible before the customer calls.

DATA SECURITY | COMMON SAFEGUARDS ACROSS ALL PRODUCTS

- **Identity & least privilege** — Role and purpose-based access · MFA
- **Encryption & secrets** — In transit and at rest · managed keys
- **Privacy & data control** — Minimisation · retention · consent
- **Audit & monitoring** — Protected logs · traceable approvals
- **Resilience & assurance** — Backups · tested recovery · continuity
- **AI governance** — Approved use cases · human review

vortex-digital.tech/industries/logistics-software-chennai — read the full industry page

Start with a focused 30-minute consultation

No charge, no obligation. Bring your current system and your biggest operating problem. We will tell you which module fits, what integration looks feasible, and what it would take.

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Scan for the industry page

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