

XERPUM

Logistics

Enterprise Resource Planning

Complete integrated ERP solution for
logistics industry

2000+

MODULES

AI

ASSISTANT

SaaS

/ ON
PREMISE

English Edition — bro-sur.xerpium.com

Enterprise-Grade Logistics Ecosystem

XERPIUM LOGISTICS is a logistics module ecosystem built on XERPIUM 18 — covering Shipment Management, Container Management (ISO 6346), Route & Rate Card, Real-time Tracking, Fleet Management, Warehouse Operations, Freight Forwarding, Cold Chain Monitoring, and Claim Management.

Shipment (logistics.shipment)

Shipment Type — Pickup, Delivery, Transfer, Return, Multimodal

Service Type — Trucking, Forwarding, Warehousing, Last-Mile, Project, Cold Chain

State — Draft → Confirmed → Assigned → In Transit → Delivered → Completed

Origin & Destination — Full address, origin/destination city

Route — Linked to logistics.route

Vehicle & Driver — fleet.vehicle & res.partner driver

Route (logistics.route)

Origin & Destination — Origin & destination city with auto-name

Distance & Transit — Distance km, transit time hours

Route Type — Road, Sea, Air, Rail, Multimodal

Estimated Cost — Estimated cost per route

Shipment Count — Number of deliveries via this route

Service Category (logistics.service.category)

Service Type — Trucking, Forwarding, Warehousing, Last-Mile, Project, Cold Chain

Code — Unique code per company

Accounting — Income, expense, COGS account mapping

Product Default — Default product for billing

Shipment Count — Number of shipments per category

Rate Card (logistics.rate.card)

Pricing Dimensions — Price per km, kg, m³, hour

Vehicle Type — Motorcycle to Container (9 tipe)

Minimum Charge — Minimum charge per delivery

Validity Period — Valid from/to date

Auto Compute — `compute_shipping_price(weight, volume, distance)`

📦 Shipment Operations

Shipment Lines — Multiple item, weight, volume, price per line

Total Computation — Weight, volume, pieces, price auto-sum

Schedule — Scheduled pickup & delivery datetime

Actual Times — Actual pickup & delivery with tracking

Profit Margin — Revenue - Actual Cost auto compute

Invoicing — Create invoice from shipment (`action_create_invoice`)

📦 Fleet Management (xerpium_logistics_fleet)

Vehicle Master — fleet.vehicle integration

Driver Management — Drivers with is_driver flag

Assignment — Vehicle & driver per shipment

Maintenance — Service schedule, fuel tracking

Utilization — Fleet usage analytics

📦 Container Management (logistics.container)

Container Type — 20ft, 40ft, 40HC, 45HC with ISO standard dimensions

10 Categories — Dry Van, Reefer, Open Top, Flat Rack, Tank, Ventilated, Bulk, Car Carrier, Insulated, Custom

Container Master — logistics.container with ISO 6346 number, ownership (owned/leased/customer), status tracking

Status — Available, In Use, In Transit, Under Maintenance, Damaged, Lost, Retired

Location Tracking — Depot, Customer Site, Port, Terminal, Warehouse, In Transit, Maintenance Facility

Container Movement — Gate In/Out, Transfer, Loading, Discharge with before/after status & condition

Maintenance — Preventive/Corrective/Inspection/Certification with parts, labour, cost tracking

Certification — CSC Plate, ISO certification, expiry tracking

Financial — Purchase price, current value, lease rate, insurance

Shipment Integration — FCL (Full Container Load) with container_ids many2many

📦 Freight Forwarding (xerpium_logistics_freight)

Multi-Modal — Combination of road, sea, air, rail

Consolidation — Multiple shipments per container

Documentation — Bill of Lading, Airway Bill, packing list

Customs — PIB/PEB tracking for international

Cost Tracking — Ocean freight, handling, documentation fees

📦 Warehouse Ops (xerpium_logistics_warehouse)

Warehouse Zone — Storage zones within warehouse

Cross-Docking — Fast transfer inbound to outbound

Putaway Strategy — Optimized storage allocation

Picking — Wave picking, batch picking

Stock Transfer — Inter-warehouse stock movement

📦 Real-time Tracking (logistics.tracking)

Event Types — Created, Confirmed, Picked Up, In Transit, At Hub, Out for Delivery, Delivered, Exception, Returned

Geo Location — Latitude/longitude per event

Timestamp — Real-time event recording

Photo Evidence — Image attachment per tracking event

Status Color — Normal, Warning, Danger indicators

Reported By — Driver/hub personnel assignment

📦 Proof of Delivery (logistics.proof.of.delivery)

Recipient Info — Name, company, phone

Digital Signature — Recipient signature image capture

Delivery Date — Actual delivery datetime

POD Photos — Multiple delivery photos

Status — Pending, Delivered, Partial, Refused

Auto-Complete — POD confirmed → Shipment delivered

⚠️ Claim Management (logistics.claim)

Claim Types — Damage, Loss, Delay, Shortage, Wrong Delivery, Other

Status Flow — Open → Investigating → Resolved / Rejected → Closed

Priority — Low, Medium, High, Urgent

Claim Amount — Claim amount & resolved amount

Evidence — Photo & document attachments

Responsible — PIC handling the claim

❄️ Cold Chain (xerpium_logistics_cold_chain)

Temp Monitoring — Min/max temperature range per shipment

Cold Chain Flag — is_cold_chain with temperature validation

Temperature Log — Real-time temp readings during transit

Alert Trigger — Notification if temperature is out of range

Compliance — Cold chain regulatory compliance

Industries — Food, Pharma, Chemicals

Logistics Dashboard — Dashboard Studio

vit_dashboard_logistics for logistics KPIs. 19 chart types, dual data source, AI auto-generate.

AI Dashboard Features

Auto-Generate — Natural language → dashboard via DeepSeek

NL → SQL — Natural language → SQL query real-time

Chart Insight — AI analysis of trends, peaks, anomalies

Copilot Chat — SSE-streamed chat with dashboard context

Conditional Formatting — Dynamic color based on value

Logistics Accounting Journals

Journal flow from shipment booking to revenue & cost recognition — fully integrated with account.move.

Logistics Accounting Features

Shipment Invoice — Auto invoice from shipment lines

Multi Service Category — Account mapping per service type

Cost Tracking — Estimated vs actual cost per shipment

Profit Margin — Real-time profit per shipment/route

Analytic Distribution — Cost center per project/department

Fleet Cost — Maintenance, fuel, driver cost allocation

Cross-Module Integration

Logistics fully integrated with the entire XERPIUM ecosystem.

Logistics ↔ Sales

SO → Shipment auto-create

Shipping price from rate card

Sales order tracking number

Logistics ↔ Inventory

Stock picking → Shipment

Warehouse zone management

Cross-dock & transfer ops

Logistics ↔ Fleet

Vehicle & driver assignment

Maintenance schedule sync

Fuel & operational cost

Logistics ↔ Accounting

Auto invoice per shipment

Cost recognition & margin

Service category account mapping

Logistics ↔ Dashboard

vit_dashboard_logistics KPI

On-time delivery metrics

Profitability per route

Logistics ↔ Dynamic Stage

Configurable shipment workflow

RBAC stage access control

Python hooks on stage enter

Logistics ↔ Notification

Real-time tracking updates

POD confirmation alerts

Claim status notifications

Logistics ↔ AI Assistant

"Find the shipment with tracking number X"

"Create a new shipment for customer Y"

"Latest tracking for shipment Z"

"Total revenue this month per route"

Xerpium ERP — xerpium.com

Contact us for a free demo

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Generated 2026-10-27