

Portfolio of Odoo+Rev ERP Solution

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VERSION:

DATE	AUTHOR	VERSION	CHANGE SUMMARY
Dec 2 nd , 2025,	Pratham Jain	1.0	Final Draft

Portfolio of Odoo + Rev ERP Solution

Overview:-

This project portfolio highlights Revinfotech's successful implementation of a full-scale, custom Odoo ERP solution for a leading international freight forwarding company operating across India and the UAE. Designed to address the complex needs of modern logistics, the solution included integrated modules for Transport Management, Warehouse Operations, Freight Billing, Customer Portals, and Fleet Maintenance.

By leveraging our domain expertise and advanced tech stack, Revinfotech delivered a unified platform that streamlined shipment operations, reduced errors, improved tracking visibility, and boosted overall operational efficiency—enabling the client to scale their logistics business with confidence and control.

Project Portfolio: Integrated Freight ERP Implementation

 **Client: Confidential**

 **By: Revinfotech Pvt. Ltd.**

Project Overview

Industry: Freight Forwarding C Transport

Client Location: UAE C India

Project Type: Full-scale Odoo ERP Implementation

Duration: 2 Months

Scope: TMS, WMS, Invoicing, Customer Portal, Accounting

It is a growing international freight forwarding and distribution company managing high- volume domestic and cross-border shipments. They required an intelligent ERP platform that could consolidate and automate their core operations — especially freight planning, billing, and vehicle tracking.

Project Objectives

1. Digitize and automate shipment lifecycle from booking to delivery
2. Centralize customer data and enable real-time tracking
3. Simplify freight rate management and automate billing
4. Optimize warehouse operations and inventory flow
5. Provide customers with transparency and tracking via a self-service portal
6. Integrate all modules with accounting and reporting systems

Solution Delivered: Odoo-Based Custom ERP

We deployed a **modular, customized Odoo ERP solution**, combining existing and custom-developed features tailored to freight logistics needs:

1. Transport Management System (TMS)

2. Multi-leg shipment creation
3. Load assignment to fleet C subcontracted carriers
4. Dynamic route planner
5. Estimated delivery time (EDT) calculation
6. Integrated with **Google Maps** for live tracking
7. Auto-generation of waybills and manifests

Tech Stack:

Odoo Custom Module (Python, XML) + GPS API Integration

8. Freight Billing Engine

9. Freight charges calculated dynamically based on:
 1. Route zone
 2. Distance
 3. Shipment weight C volume
 4. Surcharges (fuel, handling)
10. Auto-generated invoices linked to sales orders

Integrations:

Accounting, Taxes, Razorpay API

11. Customer Portal

12. Shipment booking interface
13. Real-time tracking with status updates
14. Downloadable waybills, POD (proof of delivery)
15. Invoice history and payment dashboard

Tech Stack:

Odoo Website Module+ Custom Portal Views+REST API (for tracking)

16. Warehouse Management (WMS)

17. Real-time inventory across 4 hubs
18. Barcode-based inbound/outbound processing
19. Optimized space utilization based on item class
20. Automated reorder points for critical items

Key Modules:

Odoo Inventory, Custom Routing Rules, Barcode App

21. Fleets Maintenance Module

22. Fleet database: documents, insurance, compliance
23. Preventive maintenance scheduling
24. Fuel log tracking C driver logs

Features:

Telematics integration (via GPS API) +Driver App (Flutter frontend)

Results's Impact

Metric	Before Odoo	After Odoo
Dispatch turnaround time	3 hours	1.8 hours (↓ 40%)
Manual invoicing errors	~15% cases	<1% (↓ 93%)
Fleet downtime	12 hrs/week	4 hrs/week (↓ 67%)
Customer visibility (order status)	None	Real-time via portal
Staff dependency for POD retrieval	High (calls/emails)	Zero (digital download)



Revinfotech's Role

- Business process analysis with logistics consultants
- 25. Custom Odoo module development (TMS + Billing + Portal)
- 26. Seamless data migration from legacy Excel systems
- 27. QA, UAT and on-site training
- 28. Hosting on Odoo.sh + Azure backup
- 29. Post-go-live support (SLA: 99.9% uptime)



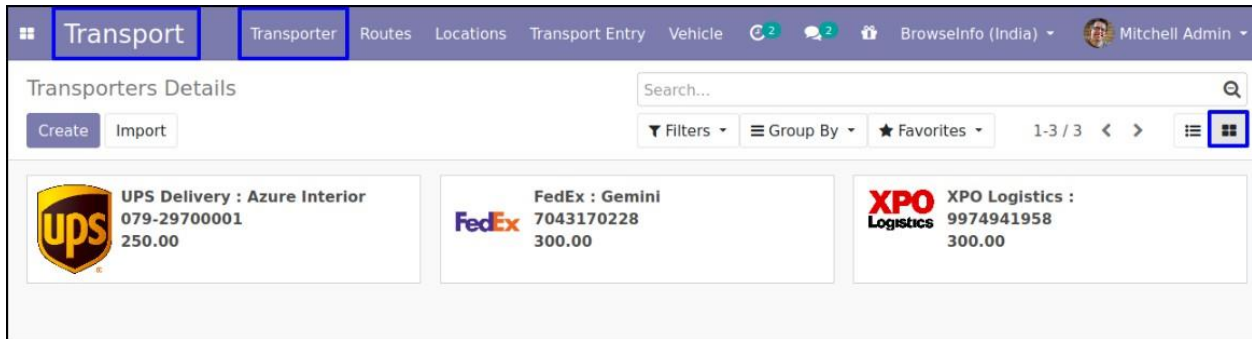
Technology Stack

- 30. **Backend:** Python (Odoo ORM), PostgreSQL
- 31. **Frontend:** XML, JS, Bootstrap (Odoo Views), Flutter
- 32. **APIs:** GPS Tracking, Razorpay, GST
- 33. **DevOps:** GitHub, Docker, Odoo.sh, Azure Cloud
- 34. **Odoo Version:** 15 Enterprise

Workflow of Solution:-

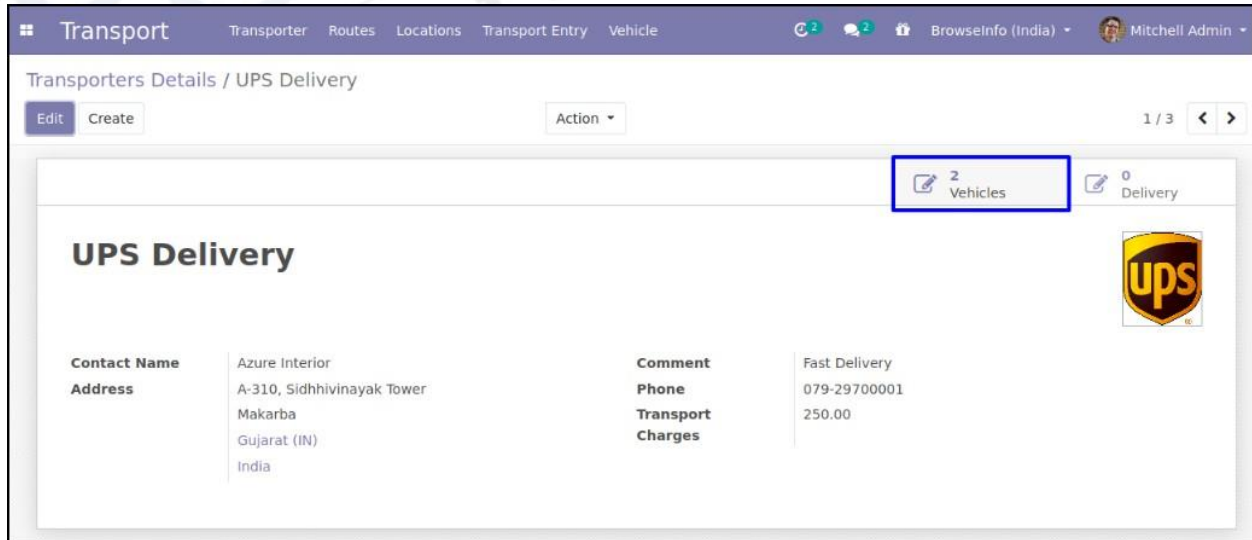
Transporter Management

The system includes a centralized dashboard for managing multiple transporters, each with unique delivery charges, contact details, and associated vehicles.



Vehicle Tracking and Assignment

Each transporter is linked with a fleet of vehicles. Details such as vehicle type, license plate, model, chassis number, and driver are maintained. This ensures accurate tracking, maintenance schedules, and real-time visibility.



Sales and Transport Integration

Sales and Transport Integration Sales orders can now be directly linked to selected transporters. This automates freight charge calculation, delivery routing, and customer updates.

The image displays two screenshots of a web application interface. The top screenshot shows a table of transporters with columns for License Plate, Model, Driver, Future Driver, Chassis Number, Immatriculation Date, State, and Company. The bottom screenshot shows a detailed view of a specific vehicle, 'Bmw/Serie 1 1-BMW-001', with tabs for New Request, Ordered, Registered, Assigned, Reserve, and Waiting List. The vehicle details include Driver information (The Jackson Group, Ted Rieder) and Vehicle information (Last Odometer: 0.00 Kilometers, Immatriculation Date: 07/30/2019, Chassis Number: 54818, Catalog Value: ₹ 30,000.00, Purchase Value: ₹ 0.00, Residual Value: ₹ 0.00, Company: Brownsofts (India)).

License Plate	Model	Driver	Future Driver	Chassis Number	Immatriculation Date	State	Company
1-BMW-001	Bmw/Serie 1	The Jackson Group, Ted Rieder		54818	07/30/2019	Registered	Brownsofts (India)
1-MFR-001	Nexus/Cross A	Acme Inter, Brandon Freeman		785546128	07/30/2019	Registered	Brownsofts (India)

Bmw/Serie 1
1-BMW-001

Driver
Driver: The Jackson Group, Ted Rieder
Future Driver
Plan To Change
Car
Assignment Date
Location: **Transporter** UPS Delivery

Vehicle
Last Odometer: 0.00 Kilometers
Immatriculation Date: 07/30/2019
Chassis Number: 54818
Catalog Value (MAF invs.): ₹ 30,000.00
Purchase Value: ₹ 0.00
Residual Value: ₹ 0.00
Company: Brownsofts (India)

Centralized Transporter Dashboard

An interactive dashboard allows logistics teams to quickly search, filter, and assign transporters based on availability, cost, and delivery location.

The screenshot displays a software interface for a centralized transporter dashboard. The interface is titled "Quotations / S00020" and includes a navigation menu with options like "Sales", "Orders", "To Invoice", "Products", "Reporting", and "Configuration". The user is identified as "Michel Adnan".

Key details shown in the interface include:

- Quotation ID:** S00020
- Customer:** The Jackson Group, 1611 Peony Dr, Tracy CA 95377, United States
- Order Date:** 07/10/2020 17:30:28
- Payment Terms:** Immediate Payment
- Transport Via:** UPS Delivery
- Quotation Template:** 4 Person Desk

The "Order Lines" section contains the following table:

Product	Description	Quantity	Delivered	Invoiced	Unit Price	Taxes	Subtotal
[FURN_8220] Four Person Desk	4 Person Desk	5,000	0.000	0.000	23,500.00		₹ 105,750.00

Summary of amounts:

- Untaxed Amount: ₹ 105,750.00
- Taxes: ₹ 0.00
- Total: ₹ 105,750.00**