



RevInfotech
revolution redefined



Portfolio of Odoo+Rev ERP Solution

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VERSION:

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

Portfolio of Odoo + Rev ERP Solution

Overview:-

Revinfotech Pvt. Ltd. specializes in delivering customized Odoo ERP solutions tailored for the logistics and freight industry. In this project, we partnered with a leading cold chain logistics company to implement an advanced ERP system integrated with IoT technology for real-time temperature monitoring, warehouse optimization, and compliance automation. Our solution transformed their operations by increasing efficiency, reducing spoilage, and providing full transparency throughout the shipment lifecycle — helping them stay ahead in a competitive market.

Portfolio

Cold Chain Logistics ERP Implementation

1. Project Overview

Client: Confidential Food & Pharma Logistics Firm (India)

Industry: Cold Chain Logistics

Duration: 2 Months






Location: India

Our client manages temperature-sensitive food & pharmaceutical products requiring stringent environmental control. They needed an intelligent ERP integrated with IoT sensors to monitor conditions live, ensure compliance, and optimize warehouse operations.








2. Project Objectives

3. Our Solution









Custom Odoo ERP + IoT Integration for Cold Chain Management

-  **IoT Sensor Integration:** MQTT & Azure IoT Hub connect sensors for live data.
 -  **Interactive Dashboards:** Track environmental conditions & shipment status.
 -  **Instant Alerts:** SMS & email notifications on temperature breaches.
 -  **AI-Driven Storage Optimization:** Maximize space & inventory flow.
 -  **Compliance Reporting:** Automated audit-ready reports.
-






4. Technology Stack

 Technology	 Description
 ERP Platform	Odoo 16 Enterprise
 IoT Protocol	MQTT, Azure IoT Hub
 Backend	Python, PostgreSQL
 Frontend	XML, JavaScript (Odoo Views)
 Cloud Hosting	Microsoft Azure Cloud






5. Business Impact

 Metric	 Before	 After	 Improvement
 Product Loss	High	Reduced by 60%	Major cost savings
 Compliance Audit Time	Manual, Slow	Automated, Fast	50% time reduction
 Cold Storage Utilization	Inefficient	Optimized by 25%	Better asset usage
 Alert Responsiveness	None	Instant, Automated	Faster response

6. Revinfotech's Role

-  Business process analysis with cold chain experts
-  Custom IoT + Odoo ERP module development
-  Sensor & cloud integration
-  User training & documentation
-  Post-launch support & cloud hosting

7. Why Revinfotech?

-  Deep logistics & cold chain expertise
-  Certified Odoo ERP development & consultancy
-  IoT and cloud integration specialists
-  End-to-end solutions from design to support
-  Focus on cost reduction, compliance, efficiency

Workflow of Solution:-

1. Inventory Management & Forecasting

Modules Involved: Inventory, Replenishment Planning

Details:

- Forecasted demand and actual usage for key components (e.g., Bike Wheel, Rim, Tire)
- Suggested replenishment logic and safety stock insights
- Intelligent planning through historical data

Benefits to Clients:

- Improved stock accuracy
- Reduction in stockouts and overstock
- Demand-driven procurement strategy

	Jun 2024	Jul 2024	Aug 2024	Sep 2024
<input type="checkbox"/> Bike Wheel by Units 📊	0.00	20.00	20.00	20.00
- Actual / Forecasted Demand	0.00 / 0.00	0.00 / 30.00	0.00 / 15.00	0.00 / 20.00
+ Suggested Replenishment Replenish	5 ≤...≤ 100 20.00	<input type="text" value="30.00"/>	<input type="text" value="15.00"/>	<input type="text" value="20.00"/>
= Forecasted Stock	@ 20	20.00	20.00	20.00
<input type="checkbox"/> Rim by Units 📊	0.00	0.00	0.00	0.00
- Actual / Forecasted Demand	0.00 / 10.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00
- Indirect Demand Forecast	20.00	30.00	15.00	20.00
+ Suggested Replenishment Replenish	0 ≤...≤ 1000 30.00	<input type="text" value="30.00"/>	<input type="text" value="15.00"/>	<input type="text" value="20.00"/>
= Forecasted Stock	@ 0	0.00	0.00	0.00
<input type="checkbox"/> Tire by Units 📊	0.00	0.00	0.00	0.00
- Actual / Forecasted Demand	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00
- Indirect Demand Forecast	20.00	30.00	15.00	20.00
+ Suggested Replenishment Replenish	0 ≤...≤ 1000 20.00	<input type="text" value="30.00"/>	<input type="text" value="15.00"/>	<input type="text" value="20.00"/>
= Forecasted Stock	@ 0	0.00	0.00	0.00

2. Manufacturing Order (MO) Execution

Modules Involved: Manufacturing, Work Orders

Details:

- MO Reference: WH/MO/00009 for product [FURN_8522] Table Top
- Real-time order tracking with scheduled and actual durations
- Status tracking (Ready, Start, Block) with responsible personnel tagged

Benefits to Clients:

- Transparent production timeline
- Efficient resource allocation
- Real-time visibility into manufacturing operations

MO Reference [?]

☆ **WH/MO/00009**

Product [?]	[FURN_8522] Table Top	Scheduled Date [?]	08/29/2024 11:20:32
Quantity [?]	0.00 / 1.00 [?] Units	To Produce	End [?]
Bill of Material [?]	[FURN_8522] Table Top		Component Status [?] Available
Lot/Serial Number [?]		Responsible [?]	Mitchell Admin

Components

Work Orders

Miscellaneous

Operation	Work Center	Product	Quantity	Expected Duration	Real Duration	Status
Manual Assembly	Main Assembly Line	[FURN_8522] Table Top	1.00	60:00	00:00	Ready Start Block

[Add a line](#)

3. By-Product Management in BoM

Modules Involved: Manufacturing, Bill of Materials

Details:

- BoM configuration includes primary product (Rocking Chair) and by-product (Scrap Wood)
- Quantified by-product tracking per operation
- Integrated with production workflows

Benefits to Clients:

- Accurate cost and material tracking
- Enhanced sustainability via by-product reuse
- Detailed operational accountability

Product	Rocking Chair	Reference	
Product Variant ?		BoM Type	<input checked="" type="radio"/> Manufacture this product
Quantity ?	1.00		<input type="radio"/> Kit
	Units		<input type="radio"/> Subcontracting
Components	Operations	By-products	Miscellaneous
By-product	Quantity	Unit of Measure	Produced in Operation
Scrap Wood	1.00	Units	Assemble
Add a line			