



Inntri Labs
n2n Solutions

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MUTU Solutions
m u t u a l i z a t i o n

INNTRI LABS SOLUTION PROPOSAL FOR MUTU WMS

Version 1.1

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ABOUT US

Inntri LABS (Pvt) Ltd is at the forefront of innovative software development, delivering tailored and cutting-edge digital solutions to businesses worldwide. Specializing in virtual environments that allow users to visualize and manage business processes with ease, our software empowers companies to make informed decisions through intuitive, real-time data visualization and seamless communication tools. With a focus on minimizing data entry and ensuring a user-friendly experience, our platform is designed by industry veterans to replicate real-life business workflows, making it accessible to users with minimal technical expertise. By offering a robust framework built on security, data integrity, and a strong computational backbone, we guarantee that our clients can focus on growth, while we safeguard their critical data.

What we do

- Enterprise Solutions - CUSTOM ERP Digitizing Business Processes
- Web Solutions - DESIGN & DEVELOP Analyze, Design, Develop and Maintain
- Mobile Solutions - ANDROID / iOS Native, Hybrid and React-Native

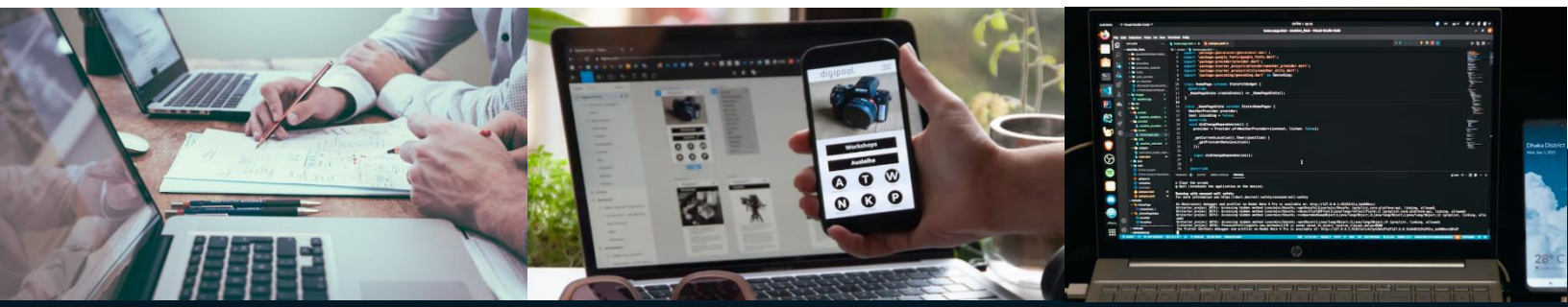
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1. PROPOSED SYSTEM OVERVIEW

Step into a new era of logistics and supply chain management with our 3PL Solution – not just a service, but a transformative revolution. Engineered for operational metamorphosis, our platform revolves around innovation, efficiency, and customer satisfaction. It doesn't just optimize processes; it orchestrates a symphony of precision within your supply chain operations. Embrace logistic process virtualization as a cornerstone of our solution. Our comprehensive tracking system ensures seamless monitoring of goods and supplies across your organization's supply chain. Experience real-time inventory control, streamlined operations, and finely-tuned transportation and logistics, all virtually visualized for optimal management. Our solution enhances visibility and fortifies your supply chain, resulting in smoother operations and heightened performance.

Built on revolutionary technology, our platform boasts exceptional compatibility, seamlessly integrating with your existing software ecosystem. This cloud-based solution eradicates the need for expensive hardware investments, allowing you to optimize resources and drive cost savings.

Thanks to its user-friendly interface and cloud-based design, our platform effortlessly interfaces with your current applications, simplifying workflows and maximizing productivity. Bid farewell to compatibility difficulties and welcome a harmonious software environment that propels your organization forward without the hefty price tag of hardware purchases. Our in-house developed Third-Party Logistics (3PL) Solution is meticulously designed to empower and streamline your logistics operations. The solution, coupled with logistic process virtualization, delivers unprecedented efficiency and agility, catering to the unique needs of your supply chain through the incorporation of cutting-edge technology.

KEY FEATURES

- 1. Virtua environment** – Our 3PL Solution incorporates logistic process virtualization as an integral component, offering real-time visualization of SKU movement and location, providing enhanced operational control, strategic supply chain visibility, and efficiency amplification.
- 2. Inventory Management:** Advanced tracking and management of stock levels, ensuring optimal inventory control.
- 3. Stock Receiving and Processing:** Efficient handling of incoming stock, with automated sorting and placement.
- 4. Order Fulfillment:** Streamlined order processing, picking, packing, and shipping, reducing turnaround time.
- 5. Real-Time Data and Analytics:** Provides real-time insights into inventory, operations, and logistics.
- 6. Integration Capabilities:** Seamless integration with existing systems and processes, enhancing overall operational flow.
- 7. Customizable Workflows:** Tailored workflows to meet specific operational needs, increasing productivity and reducing errors.
- 8. Automated Reporting:** Automated key report generation facilitates informed decision-making.

Inntri's custom-developed Warehouse Management System (WMS) represents a significant leap in warehouse operation technology. Designed to meet the specific needs of modern warehouses, our WMS offers a comprehensive solution that integrates advanced inventory management, real-time data analytics, and seamless operational workflows.

This summary outlines the strategic approach behind our cutting-edge WMS, emphasizing its unique capabilities to enhance efficiency, reduce operational costs, and adapt to evolving market needs. The system is a testament to our commitment to innovation, offering a scalable and flexible solution that outperforms standard ERP modules in efficiency and adaptability.

Revolutionize logistics and supply chain management with Inntri's custom-developed Warehouse Control System (**WCS**) and Warehouse Management System (**WMS**), where innovation meets efficiency. Say goodbye to the ordinary and embrace a future where your operations are optimized and elevated to unparalleled excellence. WCS and WMS are not just solutions but the evolution of your logistics and supply chain journey.

Key Components of a MUTU WMS Management System

Stock Receiving:

The WMS assists in capturing and confirming incoming shipments when new inventory arrives at the warehouse. The Operator receives an invoice/packing list before getting items to the warehouse. It could be a summary or a thorough goods document. We have allowed uploading the summary or detailed packing list using WMS. The Operator recorded the necessary information about the packing list.

Location Management & Inventory Tracking:

WMS displays the virtual store view here to keep a dynamic record of inventory locations throughout the warehouse. Using slotting methods, WMS support organizes products depending on demand, manufacturing date, and other characteristics.

WMS allows you to test the virtual store filtering with it.

Cycle Counting & Stock Rotation:

WMS support performs regular cycle counts to ensure inventory levels are accurate. Prioritize items for measuring based on value, demand, or criticality characteristics based on WMS movement reports.

WMS uses the FIFO method to cycle stock regularly, ensuring that items with earlier expiration dates or those prone to obsolescence are used or sent first.

Material Request & Order Picking:

Several processes are involved in the Warehouse Management System (WMS) to ensure accurate and efficient fulfillment of customer orders.

WMS helps efficient order-picking operations after receiving orders from the order management system, whether through batch picking, zone picking, SBU picking, Sub-Location, or other tactics.

WMS allows clients to upload material demands via a pre-agreed-upon structured Excel file.

WMS intends to capture limited information based on the material request.

Order Fulfillment Tracking:

WMS status machinery allows customers to track the status of their orders throughout the fulfillment process.

Managers can track the status of order picking, packing, and shipping to ensure that orders are delivered on time and accurately.

Barcode Scanning and Pick Confirmation:

Pickers scan bar codes on the pick list and the products they select to ensure the selection is correct. As products are chosen, the WMS updates the inventory data in real-time, assuring precise stock levels.

Delivery Creation and barcode Scanning for Shipment:

Items and orders are scanned again before delivery to ensure the correct items are packed and ready for shipment.

In this final stage, the WMS generates shipping labels and documentation; barcode scanning verifies correctness.

Reporting and Analytics:

The WMS provides reporting and analytical capabilities for evaluating the efficacy of FIFO techniques.

Managers can optimize inventory management by reviewing stock turnover rates, identifying slow-moving items, and making informed judgments

1.1 Technology Stack

This application is device-compatible and is implemented using the following technology stack.

- Web App Frontend – React JS
- Web App Backend – Java with Spring framework

2. FINANCIAL CONSIDERATION

❖ System On boarding Cost

Component	Cost (LKR)
1 – 2000 square feet	250,000.00
2001 – 5000 square feet	350,000.00
5001 – 10000 square feet	450,000.00
10001 – 20000 square feet	500,000.00
20001 - 50000 square feet	600,000.00
50000 + square feet	650,0000.00

2.1 PROJECT DELIVERY DURATION

Approximately **2 weeks** to hand over the project to User Acceptance Testing (UAT)

- Project delivery duration mentioned above excludes the client user acceptance testing period.
- Project completion date will be determined with user confirmation of the user acceptance test.
- Any improvement or change request reported by the user during UAT will be estimated separately.

Notes:

- The above project setup cost is for the setup of the proposed solution only. The client needs to facilitate access to third-party integration (if any).

2.2 MONTHLY SUBSCRIPTION PLANS

Vehicle Count Range	Monthly Cost (LKR)
1 – 2000 square feet	45,000.00
2001 – 5000 square feet	55,000.00
5001 – 10000 square feet	75,000.00
10001 – 20000 square feet	100,000.00
20001 - 50000 square feet	120,000.00
50001 + square feet	150,000

3. TERMS AND AGREEMENT

- This proposal is valid for 14 days from the submission date mentioned on the cover page.
- Web Site content Text, Photo, Video) should be supplied by the customer.
- The estimation is for the scope of work given within this quotation. Any additional features beyond the scope given in this quotation will result in the revision of the estimation accordingly.
- This quotation is exclusive of SEO and SEO-related charges.

- Payment Terms
 - 60% advance payment of the Total Project Cost on confirmation of the project is as agreed.
 - 40% of the payment one week after the Go live.
 - Maintenance charges should be paid yearly.
- **Reservation of Rights:** All rights not expressly granted above are retained by the Designer. Any use additional to that expressly granted above requires arrangement for payment of a separate fee.
- The above pricing is for the scope of work given earlier only. Any additional features beyond the scope given in these pages will result in the extension of the project pricing accordingly.