

## The Client

The Client is a world's leading printer and copier manufacturer.

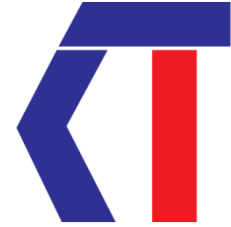
## Business Situation

The client implemented Oracle 11i Order Management (OM) module along with Oracle Inventory, Shipping Execution, Pricing, BOM, WIP etc. The client is in the business of manufacturing and selling both low end and high end digital printers and copiers. To ship the copiers/printers, accessories, and spare parts client first selects the orders that are ready to ship and line items are palletized. Each order/delivery for a customer is palletized separately. Currently using custom programs and RF (Radio Frequency) Devices to generate a unique number and the bar coded slips to attach on each pallet. RF device is used to scan each item after picking and a program to combine the items in an order to generate bar coded pallet slips. The bar coded pallet slips are used later to identify the delivery point and generate the bill of lading report to help the shipping carrier to identify and deliver the right pallet for the customer. Rules and task management are done manually without using any software.

## The Challenges

With Oracle E-Business Suite introducing Warehouse Management Solutions (WMS), the tasks are:

1. Implement the Oracle Warehouse Management Solutions (WMS).
2. Utilize the RF application in WMS and current custom application to scan the picked items and pallets.
3. Assign the License Plate Numbers to the pallets and track the items per pallet.
4. Use Task Management and Rules to best manage the resources and business rules.



## The Solution

Helped the client by addressing the challenges by developing:

1. Implemented WMS and defined LPN setups, business rules, tasks & task types, and resources
2. Java program to interface the current RF devices provided by third party vendor with WMS.
3. PL/SQL program to collect scanned (picked) items and generate LPNs using standard API provided by Oracle.
4. Integrate with Oracle Inventory, Shipping execution modules.
5. Trained users to define the resource groups, tasks, and task types.

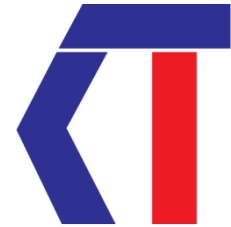
## Business Impact

The major benefits were:

1. Use the advanced Oracle WMS functionality rather than using customized and third party applications with limited functionalities.
2. Reduce the burden on customized and third party applications.
3. Better manage the tasks and resources.
4. Better manage the inventory using LPN, lot control, material status etc.
5. Integrated with current shipping management task to better utilize the shipping resources (carriers/containers).

## Value Adds

1. Business rules implementation for picking and shipping.
2. Easier to track pallets and items on pallets.
3. Better manage resources.



## The Technology

- Oracle 11i Applications
- Oracle 9i
- SQL, PL/SQL
- Developer 6i
- Java
- Unix/Windows