



“The software solution developed by Netwin team helped us overcome the material movement challenges. We were able to reduce the material handling time by 40%.”

Client Sr. Manager (Materials)

A Leading Gear Manufacturer uses Oracle Interface Solution to reduce time for material handling

Gear Manufacturing

Our client is India's largest Gear manufacturer offering broad range and large size gears required in manufacturing, shipping and power industries.

Challenge

Our client was using Oracle Applications ERP for managing various operations like Sales, Purchase, Manufacturing, Inventory, HR, Receivables and Payables, General Ledger etc. They procured an automatic storage system to manage their stores. The automatic storage was having microprocessor based control system to manage the material storage & retrieval operations. The material receipt and issue transactions were required to be done at both the systems and the storage system operation was done manually. As a result the client was facing huge productivity loss and was facing problems in reconciling the inventory levels in both the systems.

Solution

Netwin developed and implemented software which not only automated the operations of the storage unit but also integrated the transactions of the storage unit with the Oracle Applications. Thus the transaction were required to be done only once in Interface software and both the systems (Storage Controller and Oracle Applications) were automatically updated.

Executive Summary

In the current IT scenario in most of the organizations, many software solutions and systems co-exist. The challenge is to synchronize data flow between these applications so as to reduce the duplication of transactions and hence the need for reconciliation of the data. The critical part of such interfaces is to handle different technologies and have a common platform for all such solutions.

We have developed this application software for an Electronic Storage Systems manufacturing company having its operations world wide and having head quarters in Germany. They needed a software which would communicate with their microprocessor based Storage Systems and the client's ERP software (Oracle E-business Suite 11.5i / Oracle Apps). The client is a very large Gear manufacturing company located in India. The purpose of the software was to have a complete online Store management and operating the electronic storage system automatically.

Business Challenge

Our client was using Oracle Applications ERP for managing various operations like Sales, Purchase, Manufacturing, Inventory, HR, Receivables and Payables, General Ledger etc. They procured an automatic storage system to manage their stores. The automatic storage was having microprocessor based control system to manage the material storage & retrieval operations. The material receipt and issue transactions were required to be done at both the systems and the storage system operation was done manually. As a result the client was facing huge productivity loss and was facing problems in reconciling the inventory levels in both the systems.

The client needed to address the following key business challenges

- Eliminate the duplication of transactions in the two systems
- Eliminate the need for reconciling the inventory levels of the two systems
- Automate the operation of the electronic storage systems as per the material receipt and issue orders
- Reduce the time required to receive and issue materials as per the shop orders.

The client was looking for an vendor who could understand the mechanical aspects of the operation and also understand the interface required to issue instructions to the electronic storage unit. Also understanding of the database and various procedures of the Oracle Applications being in use was required.

Netwin Solution

Netwin Systems & Software (I) Pvt. Ltd. was selected a software partner to develop and implement this highly complex solution because of our past expertise in handling such projects.

We developed and implemented the software using open source platform. The various steps followed were

Benefits Summary

- Business growth was achieved due to greater product and delivery channel offerings.
- Better manpower utilization due to reduction in data duplication.
- Better regulatory compliance due to centralized data availability of both the bank and customer data
- Better funds management

System Requirement Document

A. Software Requirements Study

We analyzed the existing software of the bank and their requirements and then weighed them against the data requirement of Netwin's software solution and then came out with a solution to fill this software and data gap. The report was approved by the IT department of the bank.

B. Customization of the Software

The application software was customized as per the requirements of the customer as per the requirements document.

C. Client Acceptance Test (CAT)

The whole application after customization was tested and verified by the client's IT team on the test instance at the Head Office.

D. Branch wise Implementation Plan

After Client Acceptance Test a detailed branch wise implementation plan was prepared. The plan had the following details

1. Hardware implementation plan
2. Data migration and data entry plan
3. Data verification plan
4. Staff Training Plan
5. Branch Rollout and Signoff Plan

Business Benefits

The success of this solution was depended on the effective interface between the branches and at the Head Office of the Bank. The critical part was to ensure the availability of the Central Banking Solution at all the locations whenever required. This near 100% availability of the solutions was made possible by having redundancy in the system.

The benefits derived by the client were

- Elimination of manual consolidation of data at Head Office.
- Available of customer data at all locations at all times.
- Ability to offer all the available delivery channels to the customers.
- Better Regulatory compliance.
- Less time to roll out new branches
- Less training requirements
- Better data security and access controls.
- Better compliance of system audit standards.



About Netwin

Netwin Systems & Software (I) Pvt. Ltd. is specialized in innovative IT solutions and complex software

applications development. Netwin focuses on delivering customized solutions to its clients by converting business ideas into well defined solutions. Netwin combines research & development activity with practical application in programming, web development & integration, multimedia development, custom IT systems design, testing and consulting.

Founded in 1993, Netwin Group has made a lasting impression as a ubiquitous and high quality provider of technology services. Having accumulated extensive experience by effectively serving various clients in India, US, Europe and Australia in meeting their outsourcing needs, we are now partnering over 200+ clients globally. Our clientele ranges from Multinational Corporations to small & medium enterprises.

Putting forth an enduring vision for meaningful offshore software development, we have worked with

clients across a varied spectrum including key industries of Insurance, Finance, Banking, Hospitality, Travel services, Healthcare, Retail, Distribution and Manufacturing as well as Government and Public sector organizations.

Our range of offshore services includes software and web applications development and maintenance;

collaborative and CRM applications using Microsoft Dynamics, SharePoint and Azure architectures; dedicated resources hiring and consulting team using ODC model.

Netwin has full-fledged offshore software development centers at Pune and Nashik in India which have capacity of 200+ resources. We have a strong team of over 130 analysts, developers and testing engineers. In addition to this we are setting up a new development facility to accommodate more than 500 skilled engineers to cater to the increasing needs of our clients.

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Business Benefits

The success of this solution depended on the real time interface between the storage unit and the Oracle Applications. The critical part was to insert data in the Oracle Databases without affecting the overall integrity of the system. The main benefits derived by the client were

- Elimination of duplication of transaction entry
- Productivity Improved by 40%
- Less manpower required to do the operation
- Need of Inventory synchronization between the storage unit and Oracle Applications (ERP) was eliminated
- Cost saving due to all above factors

Technology/Tools Used

- JSP, Ajax, Oracle database
- Oracle E-business Suite 11.5i
- Oracle Report 6i
- Tomcat
- Linux

