

ACROPETAL TECHNOLOGIES LTD

ENTERPRISE BUSINESS SOLUTIONS

CASE STUDIES

Contents

Implementation of Microsoft Dynamics NAV 2

Implementation of Microsoft Dynamics NAV to streamline Resources 4

Automated Production Monitoring and Reporting System..... 6

Implementation of Oracle Financial and Distribution Application 8

Intelligent Access Program Application 9

Web Based Application (Data Management System 11

Implementation of Microsoft Dynamics NAV

Context

Planning, implementation, customization and support of Microsoft Dynamics NAV to implement the same to streamline business and sharpen the competitive edge

Scope of work

Our client needs a Financial Accounting System which can cater to Accounts Payable, Facility Maintenance and Employee related expenses. All the costs incurred have to be identified by Location, Department, Service and Project and it should also sum up to the Target India. The need for system is to generate financial reports based on sub entities and consolidate to with higher levels as and when required. Target also required a customized solution to capture costs by employee and analyze budget versus actual.

Client required software that can integrate the data flow to and from other ERP software like PeopleSoft and SAP.

Client used local brand quick books kind of financial management tool for its finance department operations. Target India which is growing fast needed to enhance its tools to support not only the scalability but also the efficiency. The current systems have deficiency in areas listed below.

- Limitation in multi user environment
- Slower response time in multi user environment with increase in number of active users
- Limited to basic finance and non-availability of addition enterprise modules
- Lack of Fixed Asset module
- Lack of Budgeting for Account heads
- Purchase requisition management module is not available
- Low level of security to user access
- Lack of report designer tools
- Not integrated with Office productivity tools such as Word, Excel and Outlook
- Lack of support from the vendor for any changes required for meeting the Business processes and challenges
- Need for Security in multi user networked environment

Solution

The modules implemented are:

- ➔ Financial Management
- ➔ Purchase and Payable Management
- ➔ Fixed Asset

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The above modules were implemented simultaneously and are tightly integrated with existing business processes of the organization. Hence no additional work was involved in locating transactions. Implementation of Dynamics NAV 4.0 has eased many activities. The application has been built with enhancing productivity and competitiveness of the user organization by adopting process maturity in each of the modules. It provides unique practices thereby facilitating easy adoption at units without much of customization.

Integration of data from other ERP systems on a scheduled basis without human intervention is made possible using the scheduler.

Outcome

Microsoft Dynamics Navision has helped client to amplify finance & accounting performance and drive business process productivity.

- **Better Financial Management:** Microsoft Dynamics Navision makes it easy to connect financial transactions and information smoothly. Navision has the ability to reverse journal postings while maintaining a complete audit trail. It provides clear visibility for all the financial transactions. Budgeting & Reporting, is made easy, Project wise cost accounting is possible.
- **Finer Fixed Asset Management:** With the help of Navision, organization can have a real-time overview of the company assets that helps to save time, money and efforts in organizing, managing and accounting for the company's fixed asset effectively.
- **Improved Security:** With the help of Navision, access to data is restricted and extent to the availability data is as per hierarchy.
- **Easy to Use:** The installation of Microsoft NAV is simple. It is user friendly and menu driven and integrates easily with existing solutions. It is very flexible and accessing and navigating data has become simpler.

Reference

Our client is one of the global leaders in retail industry has a software development and business services operations in Bangalore, India

Implementation of Microsoft Dynamics NAV to streamline Resources

Context

Acropetal Technologies Ltd, Microsoft Certified Partner specializing in the planning, implementation, customization and support of Microsoft Dynamics NAV to implement the same to streamline business and sharpen the competitive edge.

Scope of Work

Prior to Microsoft Dynamics NAV installation, our client was using Microsoft Office 2003 and SQL Server 2005 for all their data capture. But there was no business solution in place from which real time information could be accessed by employees simultaneously by the entire organization anytime, anywhere.

Client was managing their day to day accounting using a legacy application and for all other inventory, purchase, consumption and analysis purpose, was relying heavily on Microsoft Office Excel.

Sometimes data would be duplicated which resulted in unnecessary complications. There was a requirement for systematic collation, tracking and updation of information, opportunities and accounts. Lack of synchronized data led many problems in streamlining processes and operations. The existing legacy system was not adequate to meet the company's inventory, purchase and payable management.

The Client looked around for a solution that would fit its requirements and selected Microsoft Dynamics NAV solution.

Solution

Since our client was already using Microsoft Office and SQL Server 2005, it believed that the integration with Microsoft Dynamics NAV would be far easier. Its features and ease of deployment and user friendly interfaced also were key reasons to opt for Dynamics NAV.

Acropetal Technologies Ltd, the Microsoft Certified partner, studied the processes and operations at Client and Microsoft Dynamics NAV 4.0 was implemented at two locations in Bangalore. Acropetal consultants are expert and very knowledgeable and under their able guidance, the solution was implemented to streamline business and sharpen the competitive edge.

The project was planned well such that the implementation was completed within four months, starting in June 2007 with the solution going live in September 2007. The implementation was completed in the scheduled time frame.

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The modules implemented are

- Financial Management
- Inventory management
- Fixed asset management
- Purchase and Payable Management
- Warehouse Management

The above modules were implemented simultaneously and are tightly integrated with existing business processes of the organization. Hence no additional work was involved in locating transactions. In addition, the solution provides methodical and custom reports that meet Clients' requirements.

Implementation of Dynamics NAV 4.0 has eased many activities. It has simplified the capturing of expenses by cost center, analysis by dimension, improved audit trail and budget versus actual analysis. It takes care of various inventory managing activities like current stock position, inventory re -order linked to generating purchase order, inventory utilization by project, physical stock taking inventory costing, asset capitalization, automated depreciation calculation, linking purchase and inventory with the finance module. It also allows better control on supplier payables in synchronization with the cash flow.

Benefits

NAV has helped our client in streamlining processes and thus save time and money.

- Better Financial Management
- Improved Cash Flow Management
- Finer Fixed Asset Management
- Improved Security
- Multiple Location Transactions Made Possible
- Beneficial Inventory Management
- Easy to Use

Reference

Our client is a system biology based drug discovery company.

Automated Production Monitoring and Reporting System

Context

Client requires an automated production monitoring and reporting system that can collect production / assembly-line data in real-time. Machines in the assembly line will have sensors and data acquisition systems to collect this sensor data. The data collected is then processed in a central server and reports created. These reports will enable the management team to analyze production efficiency and help resolve these issues at a higher granularity than with manual data collection.

Scope of work

- a. Understand assembly line process automation. Also understand some standards used to improving process automation efficiency and effectiveness.
- b. Create a generic solution that can be used by many industry segment confectionery, machinery manufacturers, poultry, etc.
- c. Make the solution cost-effective by using sensors and other embedded hardware that has the required tolerance and accuracy, but at the same time not high in cost.

Solution

Hardware:

- Custom-made IR based sensor.
- Off-the-shelf Touch-Screen monitor
- Off-the-shelf high-end PC as server. The server solution can be scaled up a cluster of servers.

Software:

As for the software/application, it was possible to provide a generic system, which had standard reports, even standard UI, both in PDA and server.

Sensors:

For a particular industry segment, a custom make IR sensor is being used. But the system is capable of integrating other sensor, sensor data, depending on need.

Technologies:

SQL Server 2005, Reporting Server, Visual Studio 2008, PIC Microcontroller, IR Sensor

Outcome

End user can get up-to-date data on the running assembly line and thus take immediate action on issues on the floor. It is also possible to create many analysis reports based on data collected over a period of

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time to enable management to make correct decisions to improve overall effectiveness of the entire factory.

Reference

Client is an operational improvement consultancy

Implementation of Oracle Financial and Distribution Application

Context

To implement Oracle Financial and Distribution Applications

Scope of Work

Middle East is a fast growing market for many multi-national corporations and the client is no different. To support and enhance the rapid growth and improve business controls, Oracle Applications was implemented for three separate divisions including Shared Services Operation. In addition to the existing divisions, as new divisions move into the Middle East, they can quickly be up and running on all critical business processes including local reporting requirements and local business practices.

Solution

14 weeks of rapid implementation, helped the Client go live with Oracle Financials and Distribution. The project is part of the award-winning Oracle in a Box program which - via a rapid implementation approach – has helped to put the Businesses throughout Asia and the Middle East onto standardized platform for Financial, Distribution and Manufacturing business processes.

Outcome

- Rapid return on investment: The key business processes implemented for the client include distribution both back to back orders and drop shipments, purchasing, inventory management, accounts payable, accounts receivable, general ledger and financial reporting.
- Reflecting a multi-national nature of Dubai business, the project team was diverse and included members from India, Dubai, US, UK, Hong Kong and China. ACROPETAL team members have enjoyed working with the Client on many projects throughout Asia and Middle East.
- Standardized Financial and Distribution Platform to support growth of multiple businesses

Reference

The Client is a leading supplier of backup power equipment for telecom and Internet providers and users, climate control components, and electric motors.

Intelligent Access Program Application

Context

The Transport Authority of Australia planned to implement certain speed limits, provisions and regulations manning traffic. The speed limits, provisions and regulations differ from jurisdiction to jurisdiction.

The Transport Authorities proposed to register to IAP Application and use the In Vehicle Units (IVU) installed on all registered vehicles with GPS to regulate and monitor the speed limits.

Vehicles installing the application, complying with the rules and maintaining speed limit would get a lot of other benefits from the Transport Authorities.

The IAP-SP (an Intelligent Access Program) was proposed to monitor traffic and report non-compliance to the respective jurisdiction of the occurrence. The IAP-SP uses complex business logics and rules to implement various exceptions that occurred during the process.

Scope of work

The IAP-SP was a small part of a very large and complex system which involved several parties. ACROPETAL was handed the code to work upon and was expected to resolve the UAT business issues in a very short span of time. The challenge was to understand the complex code which was already developed by other parties and revert with changes which could suffice the business audit. This was not an easy task. This application was one of its kinds in Australia; which was already attempted by many parties earlier and had not been successful. Therefore the success factor was at very high stake. The challenge was successfully tackling continuous surprises of new components that popped up frequently. This had enhanced the complexity; the challenge was to understand and execute the project end to end.

Solution

- Analyze, Understand and implement the business logic into the code and fix the missing links to the proper functioning of the application.
- Provide a web application to administer the rules and events occurring to the entire process.
- A full hand control on the entire 'Intelligent Access Program' using the customized design of the application.
- To cater with maintenance related activities and having met the SLAs as per the agreement.

Technologies:

- Platform: .NET 2.0 and 3.5.
- Technologies: ASP.NET, AJAX
- Language: C#, JavaScript
- Middleware Tools: BizTalk Server 2006

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- Database: SQL Server 2005

Outcome

The biggest benefit is that the client is the only organization with successful implementation of IAP Application, Certified by the Testing and Certifying Authority (TCA) of Australia. This is a feather to its glory in the Australian market.

Reference

Our client is the world leader in electronic security and fire protection to more than 7 million customers worldwide.

Web Based Application (Data Management System)

Context

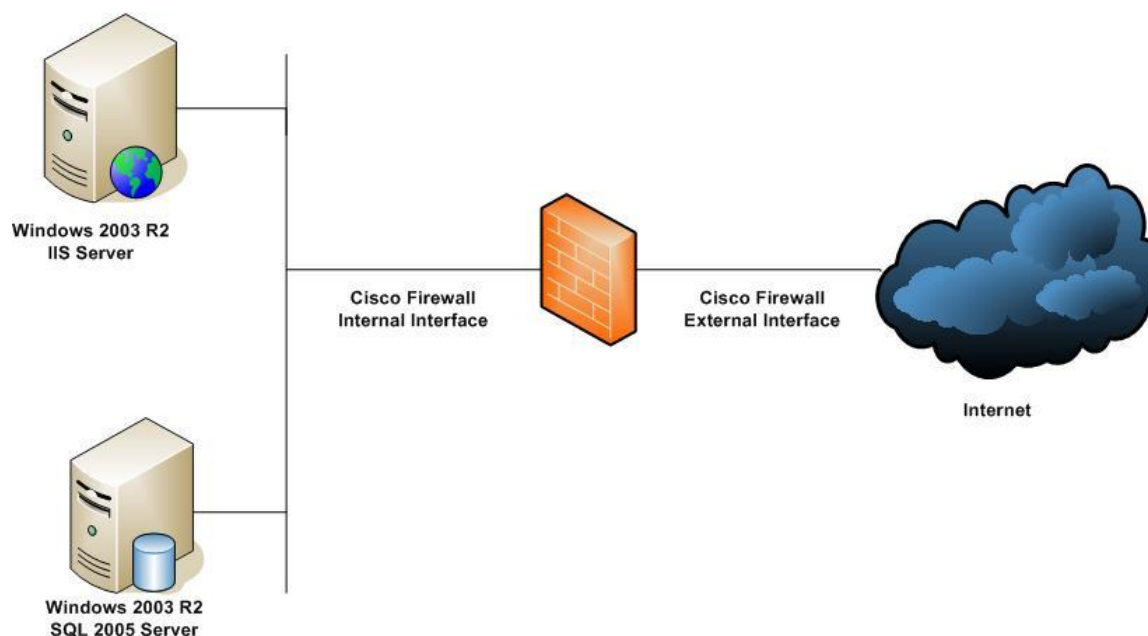
The Client required a Web Based Application which would use an ASP Model for use by its Customers thereby bringing in more value. The Customers will use this application to perform their ongoing Business Operations.

Scope of Work

- Carbon credit claims portal on ASP model
- Provide Application services to its clients who manufacture and install various eco-friendly appliances
- Application to be compliant with Government guidelines
- Application to validate address of customers to ensure customer avails the credit scheme only for an appliance.

Solution

- Design and develop the system
- Document the entire solution and process
- Speed up the Data entry and capture of data



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Technologies:

ASP .net, C#, Java Scripts, SQL 2005, IIS, Windows XP

Outcome

Highly scalable Web Based Application to meet the following requirements:

- Hi speed connectivity to access the Application / FTP server
- Provide scalability to accommodate the customer's future additions of its customer base

Reference

Our client provides carbon credit accreditation