

NSD ERP System (V 6.4) SD Overview



System Overview | NSD Middle East

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Introduction

We prepared this document, as an overview, in order to give you a brief idea about the NSD ERP System, knowing that, even if we put a maximum of information and screen copies, we can never replace a live demonstration.

NSD ERP System includes the following applications and functionalities:

- **Financial (Accounting)**
- **Human Resources (Personnel Administration, Time Management, Payroll, Recruitment, Organization Management.....)**
- **Logistics (Materials Management, Warehousing, Procurement, Purchasing, Inventory.....)**
- **Sales and Distribution and Retails (Point of Sale System)**
- **Production Management**
- **Project Management**
- **Car Management and Transport System**
- **Clinic Management System**
- **Reception and Controlling System**

NSD ERP SYSTEM

NSD ERP is an Integrated System.

The individual applications in the NSD ERP System are fully integrated. All data that are used across applications are stored at client level (the client is the highest hierarchical level in the NSD System). Specifications that you make or data that you enter at this level are valid for all company codes and for all other organizational structures. Consequently, you do not have to enter these specifications or data more than once. Central maintenance ensures standardized data.

Customer and vendor master records, for example, are stored centrally and used in the applications Financial Accounting (FI), Sales and Distribution (SD) and Materials Management (MM).

Also, the individual applications exchange data so that business transactions do not need to be entered more than once. For example, invoices that are posted in SD are passed

on to FI, and data that is entered in FI is passed on to other applications. If you use Cost Center Accounting, for example, you can specify a cost center directly when you enter a document, to which the amount entered in the line item, is to be posted.

Since every company area in the NSD System can define its own structure, you should specify how each structure is to be derived from the others, so that data can be transferred from one application to another.









NSD ERP SYSTEM APPLICATIONS:

- ✓ **Financial (Accounting)**
- ✓ **Human Resources** (Personnel Administration, Time Management, Payroll, Recruitment, Organization Management.....)
- ✓ **Logistics** (Materials Management, Warehousing, Procurement, Purchasing, Inventory.....).
- ✓ **Sales and Distribution**
- ✓ **Project Management.....**

NSD ERP System - Benefits

NSD System provides to various organizations, information management, analysis and powerful reporting tools.

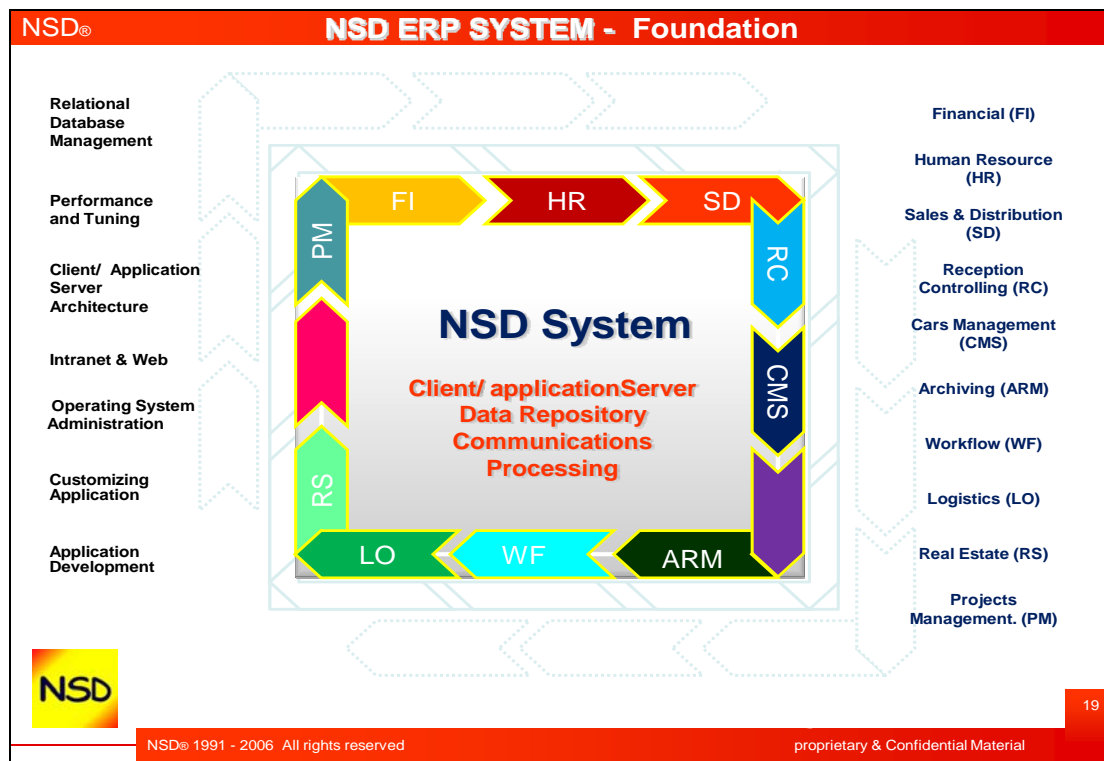
Some major NSD ERP System benefits:

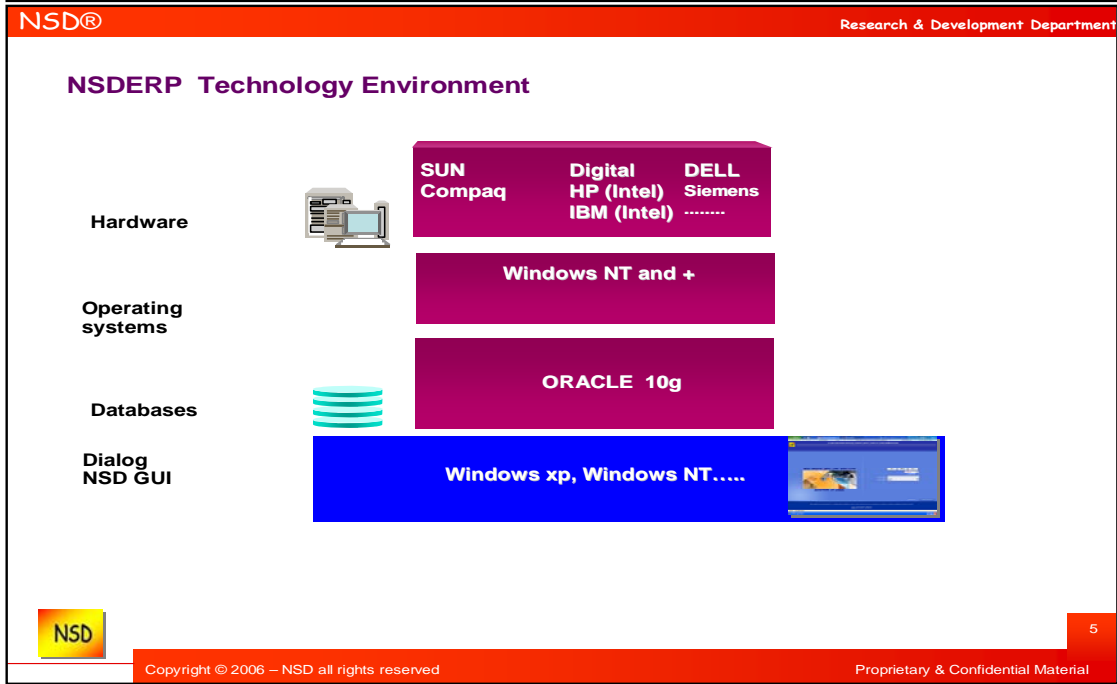
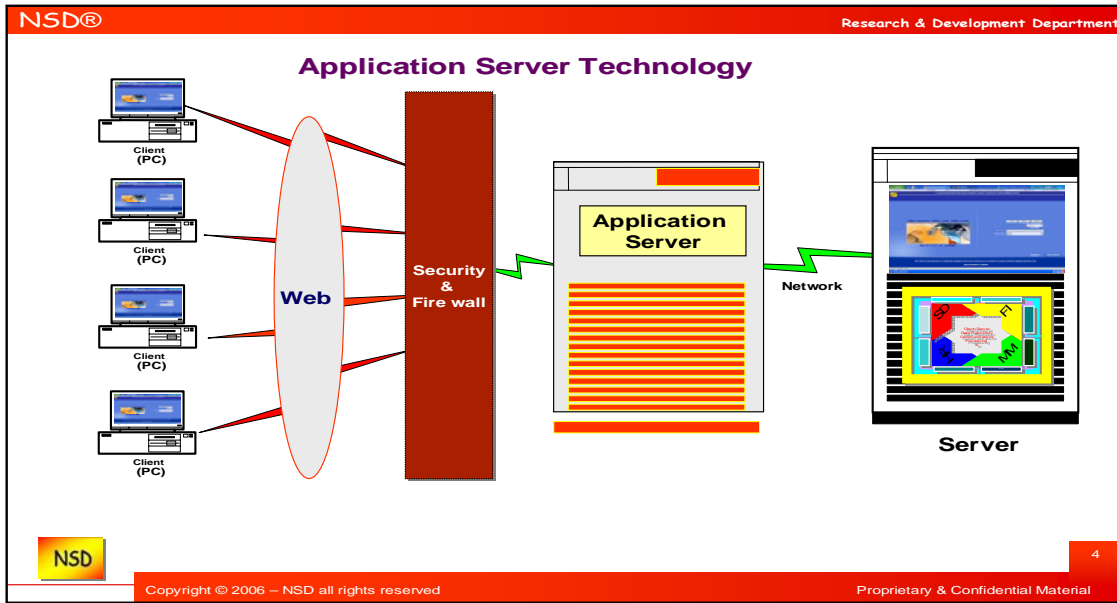
-  **On-line/real time information throughout all the functional areas of an organization**
-  **Data standardization and accuracy across the enterprise**
-  **"Best-practices" included in the applications**
-  **The efficient processes they force an organization to undertake**
-  **The analysis and reporting that can be used for long term planning**
-  **Multi-language, Multi-Currency and Multi-Companies System.....**
-  **The NSD ERP System allows you to manage and perform and present better customer services, greater organizational transparency and increased operational efficiency leading to long-term savings.**
-  **The NSD System includes reporting tools for either main reports or for**

powerful query reports.

- NSD ERP system, fundamentally, integrates the different processes necessary for businesses into a centralized pool that facilitates data sharing and eliminates redundancy.**
- The NSD ERP System is built and developed based on the best worldwide business practices. It includes the necessary applications for the best enterprise management.**
- The flexibility of the NSD ERP System allows you to add more functionalities and related reports.**

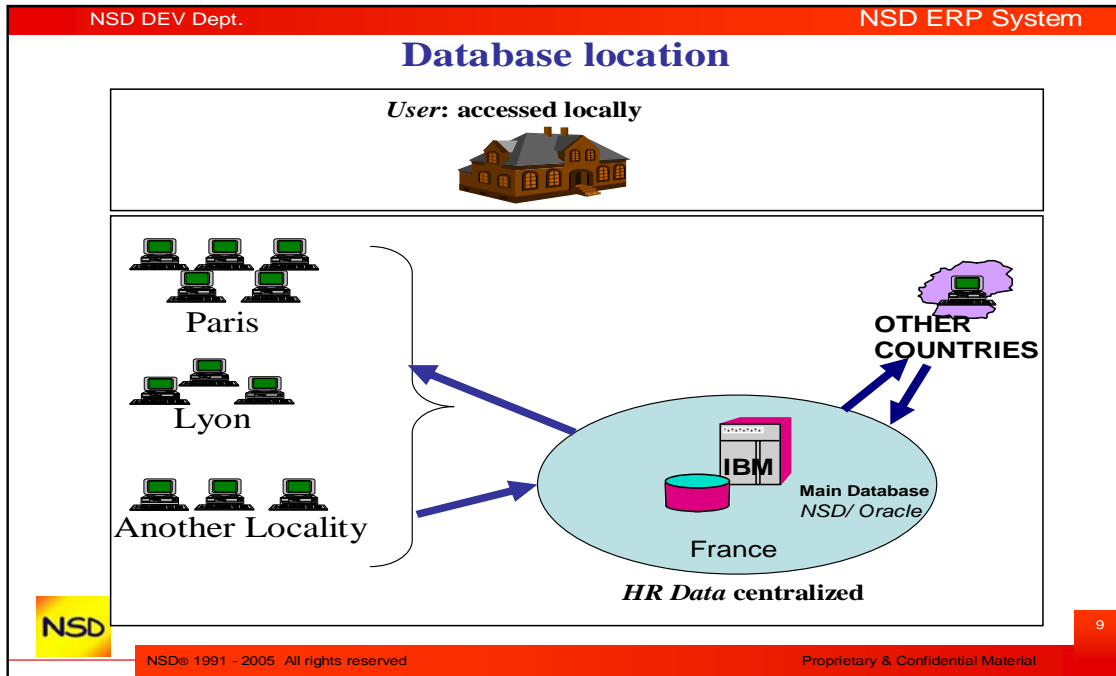
NSD ERP System Foundation and Technology Environment:





NSD ERP System - Technical Structure

NSD System is based on Oracle Database
 NSD System uses a central and main database



NSD System has a high level system security

That means that the power users, once trained, can change, customize or improve the system.

The NSD SYSTEM is built on a high security level to allow the Power Users to go through the system in a safe way without any risk or access on the database or programs where all sensitive data are stored. In other words, we can say that each user depending on his rights (given by the administrator) can work on the system in safe way.

System Navigation

Log on the NSD System

In this step, it is important to mention that the NSD ERP SYSTEM uses ORACLE database and it is developed in an ORACLE environment. The installation of the system is based on the below listed steps:

1. Preparation of the technical environment (Hardware – Network ...)
2. Installation of the database
3. Installation of the scripts and forms (the forms are installed in the client level)

4. Installation of the GUI (Graphical User Interface)

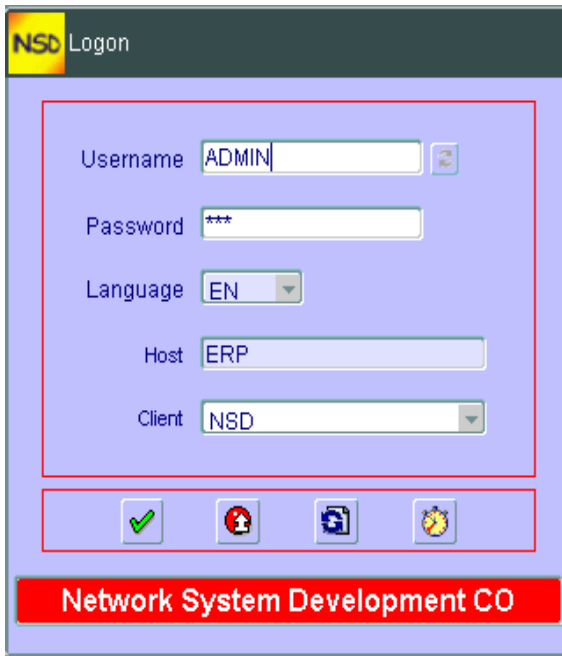
5. Implementation and customization of the system.

The success of the system's installation is based on a close collaboration between your project team and the NSD or the integrator team.

Once you GO LIVE and you have a production system, your users can use and enjoy the System.

From your desktop, click on the NSD SYSTEM ICON






The screenshot shows the NSD Logon window. It features a title bar with the NSD logo and the word "Logon". Below the title bar is a light blue panel containing several input fields: "Username" with the text "ADMIN", "Password" with three asterisks, "Language" with a dropdown menu set to "EN", "Host" with the text "ERP", and "Client" with a dropdown menu set to "NSD". At the bottom of the panel are four icons: a green checkmark, a red house, a blue folder, and a yellow clock. Below the panel is a red banner with the text "Network System Development CO".

Enter your, user name, password, client and the connection language.

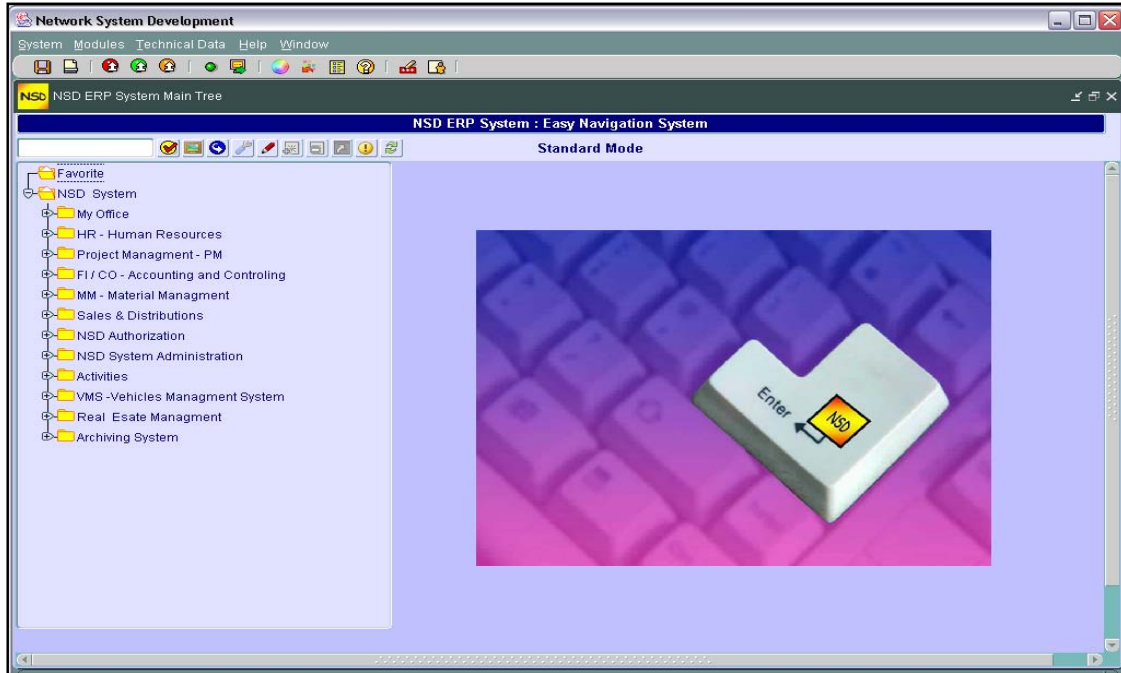
In NSD System you can open more than one session. In this case, once you are connected again, the system alerts you by the below messages and gives you the indicated possibilities.



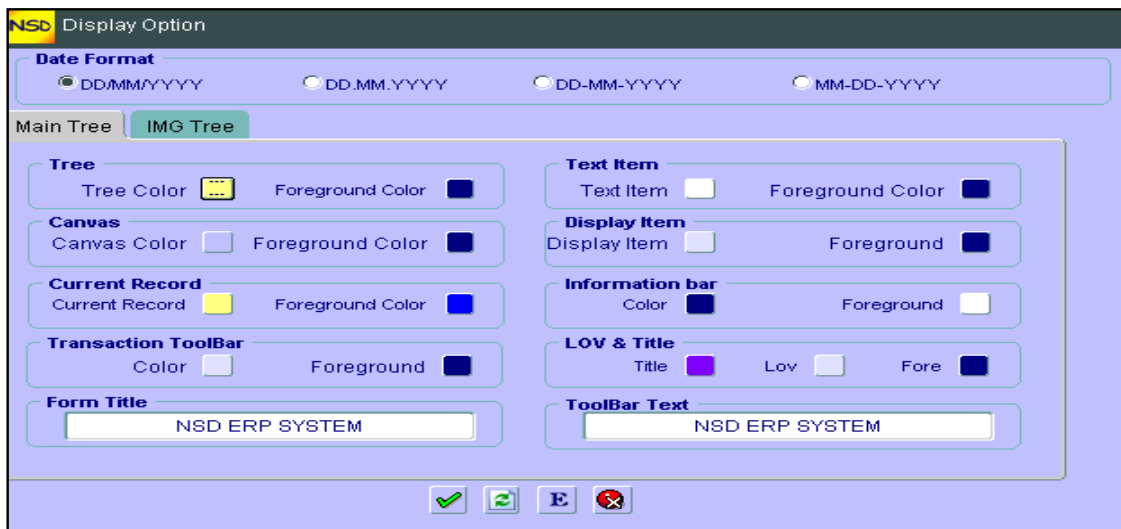
The screenshot shows a dialog box titled "Many Session". It has a blue title bar. Below the title bar is a red banner with the text "You Have (1) opened Session". Below the banner is a light blue panel with the text "Chose one option" and three radio button options: "Exit other session and connect with current session", "Connect this session with other sessions", and "Cancel current session". At the bottom of the panel is a button labeled "Next".

NSD ERP SYSTEM – ENGLISH VERSION

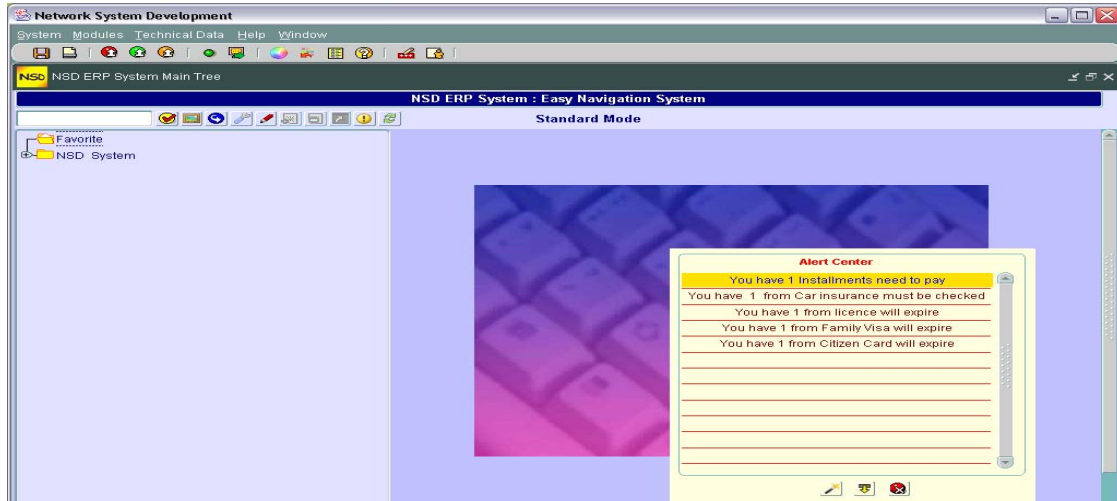
NSD System – Main Screen (Main Tree)



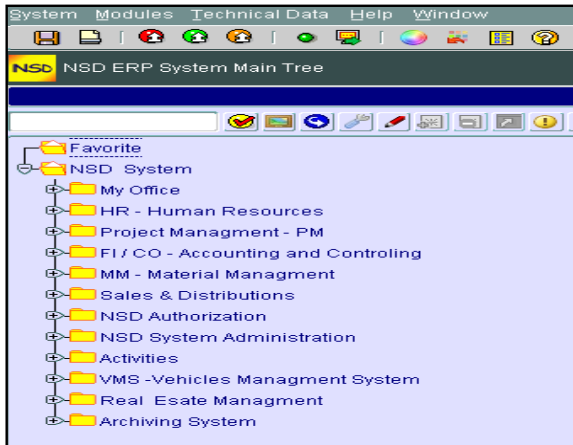
Personalize your system as you like, just click on the design icon and put your personnel data



NSD System – Main Screen (Main Tree)



NSD ERP – Functionalities Summary



NSD ERP System includes the following applications and functionalities:

- **Financial (Accounting)**
- **Human Resources (Personnel Administration, Time Management, Payroll, Recruitment, Organization Management.....)**
- **Logistics (Materials Management, Warehousing, Procurement, Purchasing, Inventory.....)**
- **Sales and Distribution and Retails (Point of Sale System)**
- **Production Management**
- **Project Management**

In addition to the above main applications, the NSD system includes, also:

- **My Office**
- **System Administration**
- **System Authorization**
- **Activities (Rent Car Management System – Collision Management System – Clinic Management System – Access Control System (Reception Management System)).**
- **And more**

NSD ERP - Sales and Distribution Module (SD)

NSD ERP System _ Sales and Distribution Application

Sales processing is based on the following basic structures:

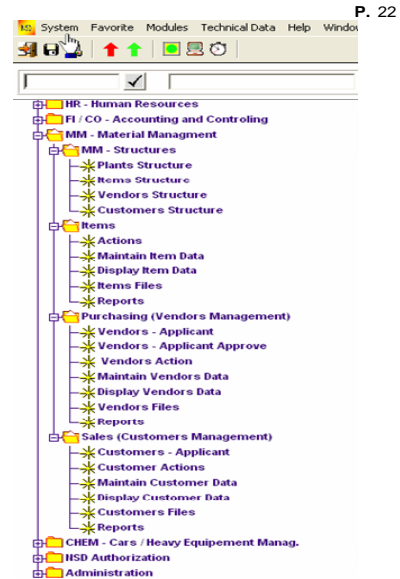
- ◆ Every company is structured in a certain way. In order to work with the NSD System your company structure has to be represented in the system. This is done with the help of various organizational structures.
- ◆ In sales and distribution, products are sold or sent to business partners as well as services performed for them. Data about the products and services as well as about the business partners is the basis for sales processing. A sales processing with the NSD System requires that the master data has been stored in the system.
 - In addition to sales and distribution, other departments of the company such as accounting or materials management access the master data. The material master data is stored in a specific structure in order to allow access from these different views.
- ◆ The processing of business transactions in sales and distribution is based on the master data. In the NSD System, business transactions are stored in the form of documents. These sales and distribution documents are structured according to certain criteria so that all necessary information in the document is stored in a systematic way.

The SD application helps optimize all the tasks and activities carried out in sales, delivery, and billing.....

NSD Application Modules

Sales and Distribution (SD)

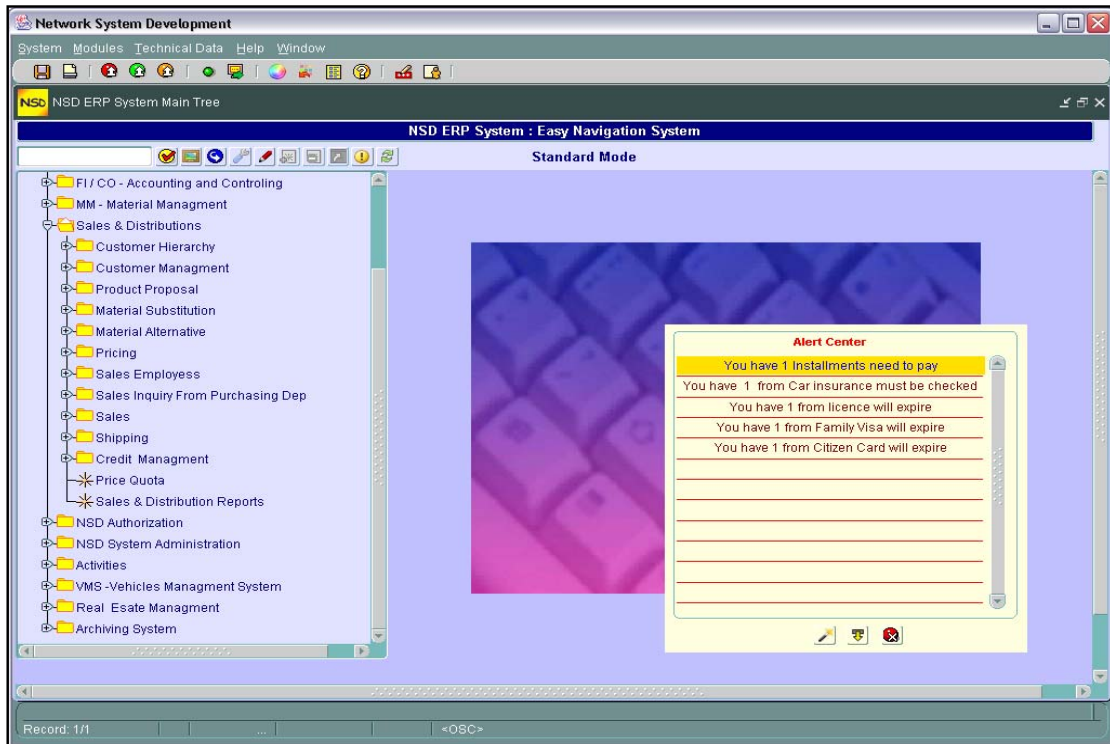
The SD application module helps to optimize all the tasks and activities carried out in sales, delivery, and billing.



NSD System

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02-Nov-04



The Sales procedure is constituted by the below steps:

1. Inventory Sourcing
2. Delivery
3. Billing
4. Payment

Inventory Sourcing

- ◆ There are two categories of pre-sales activity: Sales Support and Pre-sales Documents.
- ◆ Sales Support allows tracking of customer contacts by including sales visits, phone calls, letters and direct mailings. Mailing lists can be generated based on specific customer characteristics. Basically an Integrated CRM system.
- ◆ Pre-sales contacts include inquiries and quotes.
 - Inquiries document customer requests for information (“how much is . . .”, “is the product in stock . . .”)
 - Quotes are binding documents to a customer offering a specific quantity of material at a specific price if accepted within a specific period.
 - Both Inquiries and Quotes can be used as a starting point to create a customer order.

The screenshot shows a web-based form for creating a sales inquiry. The form is titled "Sales Inquiry" and is part of the "Network System Development" application. The form contains several fields for data entry:

- Inquiry Type:** A dropdown menu with "IN" selected and "Inquiry" as the label.
- Sales Organization:** A dropdown menu with "0001" selected and "Sales Organization 0001" as the label.
- Distribution Channel:** A dropdown menu with "01" selected and "Whole Sales Trade" as the label.
- Divisions:** A dropdown menu with "01" selected and "Division 01" as the label.
- Company:** A text field with "1" entered and "Rampco - Company" as the label.
- Currency:** A text field with "SAR" entered.
- Sales Office:** A dropdown menu with "000" selected and "Sales Office 01" as the label.
- Sales Group:** A dropdown menu with "002" selected and "Sales Group 002" as the label.

At the bottom of the form, there is a button labeled "Create Sales Inquiry".

The screenshot shows the 'Sales Inquiry' window in the NSD ERP system. The window is titled 'Network System Development' and has a menu bar with 'System', 'Modules', 'Technical Data', 'Help', and 'Window'. The main area is divided into several sections:

- Document Information:** Document NO (83), Type (IN Inquiry), Sales Office (000 Sales Office 01), Sales Group (002 Sales Group 002), Company (1 Rampco - Company), Order Probability (0).
- Customer Information:** Customer (33 Aramco - Saudi Arabia), Ship To (33 Aramco - Saudi Arabia), Sales Area (0001 01 01 Sales Organization 0001/Whole Sales Trade/Division 01), CO.Currency (SAR), Customer Po No, and Customer Po Date.
- Navigation Tabs:** Sales, Prices Parameter, Shipping, Rejection Material, Customer Materials.
- Pricing Parameters:** Requested Date, Valid From, Valid To, Pricing Date, Complete Delivery, T.O.P., Incoterms, Delivery Plant, Order Reason, Currency, Rate, and Total Amount.
- Table:** A table with columns: Item No, Material No, Material Text, Cat, Quantity, Unit, Delivery Date, Price Date, Amount, Cur, Rate, CO.Cur.

- ◆ Customers place orders with a customer service representative who creates a document with information about:
 - Customer
 - Material Ordered - material and quantity
 - Pricing conditions for each item
 - Schedule lines - delivery dates and quantities
 - Delivery Information
 - Billing information
- ◆ Information is pulled from master data on customers and materials to minimize data entry errors.

- ◆ Inventory Sourcing determines:
 - If a product is available (availability check).
 - How the product will be supplied:
 - From stock on hand.
 - From production or purchase orders that should be available.
 - From make-to-order production.
 - Shipped from an external supplier.
 - Shipped from another plant or warehouse.
- ◆ Inventory sourcing occurs when:
 - An order is created.
 - An order is changed.
 - When the delivery document is created.

Document Number: 10057 Sales Office:

Sales Document Type: DR Standard Sales Order Sales Group:

Customer No: 19 scott Company: 1 NSD_KSA

Ship To: 19 scott Order Probability: 0

Sales Area: ER 01 01 East Region/Whole Sales/Hardware CO. Currency: SAR

Customer Po No: Customer Po Date:

Sales | Prices Parameter | Shipping | Rejection Material | Customer Materials | Who is repair this inquiry ?

Requested Date: 25-APR-2006 Valid From: 10-APR-2006 Valid To: 25-APR-2006 Pricing Date: 25-APR-2006 Complete Delivery:

Terms Of Payment: C000 Payable Immediate Incoterms: FOB JEDAH Delivery Plant: 1

Order Reason: 001 Sales Call

Currency: SAR Rate: 1 Total Amount: SAR

Material

Item No	Material No	Material Text	Quantity	Unit	Price Date	Amount	Cur	Rate	CO. Cur	Subtotal Amount
1					25-APR-2006		SAR	1	SAR	

Material Substitution

Material Alternative

Delivery

◆ Delivery activities include:

- Creating delivery documents
- Creating transfer orders for material picking
- Provide packing information (if required)
- Goods issue (updating accounting and inventory data)

Delivery Document

Delivery Type: LO Delivery Without Rferences

Shipping Office: 0001 Standard Shipping Office

Shipping Group: 001 Standard Shipping Group

Shipping Point: 00001 Mail Department

Company: 1 NSD_KSA

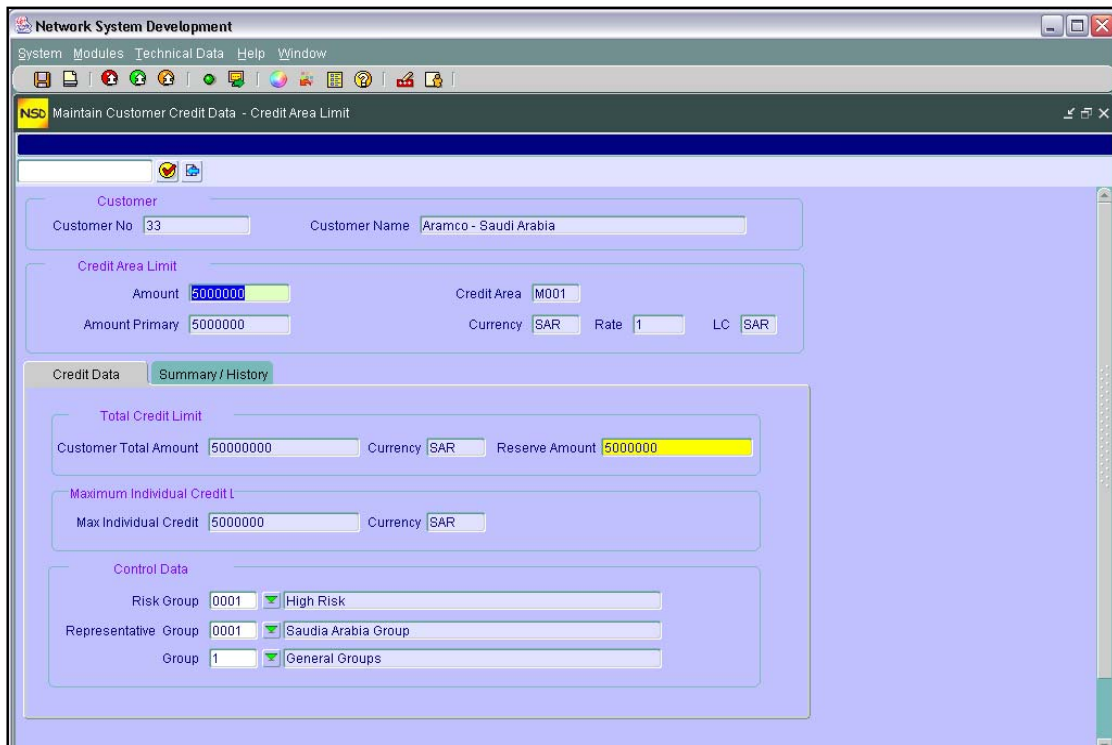
Plant: 100 Saudi Arabia

Sales Data

Sales Organization: ER East Region

Distribution Channels: 01 Whole Sales

Sales Division: 01 Hardware



Network System Development

System Modules Technical Data Help Window

NSD Maintain Customer Credit Data - Credit Area Limit

Customer
 Customer No: 33 Customer Name: Aramco - Saudi Arabia

Credit Area Limit
 Amount: 5000000 Credit Area: M001
 Amount Primary: 5000000 Currency: SAR Rate: 1 LC: SAR

Credit Data Summary / History

Total Credit Limit
 Customer Total Amount: 50000000 Currency: SAR Reserve Amount: 5000000

Maximum Individual Credit L
 Max Individual Credit: 5000000 Currency: SAR

Control Data
 Risk Group: 0001 High Risk
 Representative Group: 0001 Saudia Arabia Group
 Group: 1 General Groups

Related Activities

Related to the ND BCS package NSD Teams assure you a complete cycle of services as:

- 1 **NSD BCS SYSTEM Implementation**
- 2 **Training & documentation**
- 3 **Maintenance & Upgrade**

Implementation

Offering proven methodologies, advanced software tools, and best practices to get your NSD solution up and running quickly to contribute into your business goals.

Work with the client to develop an implementation strategy focused on his key priorities.

Create an implementation plan that enables you to manage project scope and evaluate progress along the way.

Training & Documentation

Two type of training are assured by NSD

- 1- Power Users Training
- 2- End Users Training

The above training are started form your acquisition of the NSD BSC until its complete implementation (GO LIVE),

Concerning the documentation, NSD assures you a detailed end users (System Navigation) manual and a power users customizing manual.

Maintenance & Upgrade

Our Services Maintenance gives the client various options, each designed to keep his NSD BCS SYSTEM solution up and running. These include: NSD Standard Support Includes system performance monitoring, proactive services, and access to NSD experts.