

Finance

Financial accounting
Receivables and creditor accounting
Payment management
Cost accounting
Investment accounting
Controlling
Consolidation

Purchasing

Material requirements
Budget monitoring
Supplier enquiries
Purchase orders
Contracts

Finance

Purchases

Warehouse Management

Dynamic management of locations
Planning and execution of reception
Post-preparation tracing operations
Workorder analysis
Resource planning

Warehouse

Sales

Open pricing
Offers and contracts
Order entry
Product configuration
Inventory commitments
Delivery and shipping
Invoicing
Returns
Sales commissions

Sales

NGRERP
Platform

Multi-legislation *

Multi-currency *

Multi-language *

Web Services *

Web Application Server

BI *

Workflow *

NGRERP Visual Process *

Web 2.0 Solution *

Inventory

Manufacturing

Inventory

Movements and transactions
Quality control
Cost calculation
Acquisition price tracing
Inventory control
Procurement
Multistage warehouse and site management

Production

Discret/process manufacturing
Parts list/formula management
Work schedule management
Technical data configuration
Cost calculation
Quality assurance
Capacity planning

NGRERP Explained—The Complete Picture

NGR

Helping Businesses **Grow**

NGRERP: A New Generation ERP

NGRERP is not just a great product for next generation enterprise. It is, in fact, a generational shift in business software, delivering new levels of capability, unmatched agility, and a compelling and empowering user experience. At the same time, NGRERP sets a new standard for simplicity. This paper does not pretend to capture every detail of the product, but instead highlights the key innovations that make NGRERP powerful, agile, and simple.

POWERFUL

Many enterprise resource management (ERP) systems have never moved beyond managing the administrative dimension of your business and tracking general ledger while the real operation of the business is managed elsewhere. NGRERP is different, covering both the administrative and operational requirements. **To do this, NGRERP delivers rich, prebuilt, industry-operational functionality out of the box**, with proven functionality for manufacturing (process, discrete, and lean), distribution, retail, public sector, and service industries. By delivering this capability, NGRERP gives you more value faster, and establishes a strong platform to more efficiently deliver specialized vertical functionality unique to verticals within those industries. Stronger base functionality and a broad portfolio of specialized vertical solutions means a better fit for the needs of your business, more value, and more rapid time to value.

NGRERP is a truly global solution, designed to scale with your business. Multiple currencies, multiple time zones, multiple languages, and compliance with multiple banking and reporting standards and legislative codes give you the global coverage that you require. And a layered architecture and installable language packs provide the flexibility for future growth to other markets.

Business software is powerful if it empowers users—increasing their productivity and providing strong insights that help them make better decisions. This is the heart of NGRERP, centered on the **role based user experience**.

- Workflow automation brings user tasks to a central task pane,

including tasks assigned to an individual, their role, or a specific functional queue. Tasks and input queues of documents are combined in the role-based user experience of NGRERP to help users quickly prioritize the work they should be doing. The system is not just there to record transactions when users finish their work; it is helping them follow consistent processes and focus on their most important tasks.

- The value of a business system is not about putting transactions in; instead it is about turning those transactions into information—into business intelligence (BI)—to help users make faster, better decisions. To do this, business intelligence must be an embedded part of the application, not a separate tool that requires users to take extra steps and switch contexts. Rich, embedded BI is at the core of NGRERP with:
 - Key performance indicators tailored to each process and role
 - Over 800 out-of-the-box reports, all delivered
 - Rich interoperability with Microsoft Excel to surface report output and enable analysis
 - Standards-based data interoperability
 - In-context BI fully embedded throughout the NGRERP user experience

NGRERP further innovates to capture business intelligence about work-flow and process together with transactional information to enable rich analytics about process effectiveness, with a focus on empowering business process optimization. Strong administrative ERP functionality, combined with industry-operational functionality, a scalable global system, and a familiar, empowering user experience with embedded BI to keep information in context, define NGRERP as a truly powerful business application.

AGILE

Excellence for a business application begins with two primary challenges: how well does the software model the real world, and how

quickly can I make it fit my business in a rapidly changing world? If the fidelity between software model and reality is high, then implementation is straightforward and the software is able to provide strong insight, empowering efficient business execution. If it's not, then implementation is filled with compromises and workarounds and using the software is filled with challenge and complexity. It's that simple, and it's the beginning of why NGRERP is different.

The heart of NGRERP is a set of unified, natural models that let you see, measure, and change your business. In developing this solution, every application concept involved in representing the business in software was examined and re-examined. In each case, limitations that forced workarounds and compromises in older and legacy ERP products were lifted, and new capabilities were added to provide an even richer software representation of a business and its structure, processes, and policies. Unified, natural NGRERP models make modeling simple businesses fast and easy and yet still provide the richness and flexibility to represent the most complex organizations.

Fundamental elements of the unified, natural models in NGRERP include:

- Flexible business organization modeling, allowing you to capture the physical locations of your business, legal entity structure, and business reporting structure.
- People, with separate modeling of the person and their role.
- Unlimited financial dimensions, allowing categorization and analysis of transactions across multiple axes.
- Date effectivity for data and models at the framework level, with additional security control on future effective information, to streamline the definition of .to be. organizational structures, hierarchies, processes, and policies, and to enable before-and-after reporting across organizational changes.

Natural models simplify system administration as well. NGRERP manages security based on roles and tasks—users are mapped to roles and given access to the tasks that they are responsible for. The system knows which low-level technical assets are required to complete those tasks—administration happens at the level that the

business naturally thinks about their people, roles, and responsibilities. NGRERP is simpler to set up and simpler to change because the software reflects the real world in a natural way.

Beyond the horizontal system, the investment in unified, natural models extends even further into the NGRERP industry capabilities. For example, the system supports traditional discrete, process, and lean manufacturing modes. Historically most applications supported only one of these models. Companies, on the other hand, are often not purely one mode or another. A process manufacturing company often has some operations that are discrete, and in some cases, a single company may blend all three modes. This impedance mismatch between software and the real world forced users to either work with multiple applications or create awkward workarounds to use an application to represent a process that is outside its capabilities. NGRERP breaks through this limitation, in a single instance it is possible to model production processes of each type. The software is able to represent the manufacturer's real world with high fidelity, simplifying operation and improving results.

System deployment represents another critical dimension where businesses demand agility—growth, or even consolidation, will change a business's needs. Evolving technology may change the most effective way to meet those needs. NGRERP enables flexible deployment alternatives that support your business today and tomorrow. NGR is committed to enabling deployment choice—that includes on-premise deployment and NGR private cloud hosting—all with a single application solution. Deployment of a model at a specific moment in time should not lock a customer into an application that should be the heart of their business for a very long time; customers can choose NGRERP because it is the right solution for their business.

SIMPLE

As business applications evolve, the natural tendency is for complexity to increase. Instead NGRERP makes an intentional commitment to simplicity—focusing specifically on explicitly engineering to simplify every aspect of the system, from installation through deployment, implementation, customization, user experience, and upgrade.

For users, simplicity begins with a simple to use interface that makes the application simple to learn and intuitive to use, and continues with explicit work to streamline every step in high-velocity transaction processes like order entry.

For system administration, NGRERP automates application lifecycle management, making the system simpler to deploy, manage, and upgrade for customers and implementers. For example, in NGRERP every step of the product deployment process was examined, and the entire process was overhauled to remove steps, eliminate opportunities for error, and streamline the interaction between IT and application roles, dramatically shortening and simplifying the process.

Simplicity drives adoption and ensures that customers truly get the benefit of the system's power and agility.

NGRERP—A BUSINESS SOLUTION FROM NGR

The anchor point for NGRERP is that it is a business solution from NGR with it comes an obligation and a commitment to bring the full breadth and depth of NGR knowledge, development, and innovation to business customers in a unified solution. This commitment manifests in three key pillars for NGRERP customers:

- First NGRERP is delivered on a platform of simple to use, high-value, low-total cost of ownership (TCO) technology. Whether IT is managed directly by the customer or by the NGR, it means access to a broad universe of people.
- Next, NGR is committed to bringing the latest innovations across social, mobile, visualization, machine learning, and natural user experiences to business users, in context, today and tomorrow.
- Perhaps most importantly, the commitment to bring high-end technology at low-costs to business users is not a one-time event at a single point in time—it is a commitment to continuously renew that technology.

A core principle for NGR's products is a commitment to continuous customer care, ensuring a path forward to future product versions. NGRERP is no exception, with tested, proven tools, capabilities, and processes to help customers transition. This new generation solution delivers revolutionary new capability.

NGRERP is here. Welcome to the new generation of business application productivity.

NGRERP—An Overview

Today's global marketplace is more than interconnected - it's a world without borders. The right business management solution can help people work quickly and effectively, manage growth and change, and meet the demands of globalization.

NGRERP is an integrated, adaptable business management solution that streamlines financial, customer relationship, and supply chain processes. With NGRERP, your people can work efficiently and make important business decisions with confidence.

NGRERP can help you run your business across locations and countries by consolidating and standardizing processes, providing visibility across your organization, and helping to simplify compliance. With a wide range of industry - specific solutions, NGRERP delivers a business management solution that can meet your needs now and evolve to meet future demands.

Business solutions for a world without borders

Help people work fast and smart

- Focus on business — rather than on learning new applications — with a solution that is easy to use for IT professionals and non-IT professionals alike.
- Work effectively with an intuitive, Role Tailored user interface and Role Centers that help employees organize, prioritize, and access tasks and information.

- Expand decision-making with business intelligence and reporting tools that help people analyze data through dashboard KPIs, Business Analytics in NGRERP.
- Build strong connections with employees, customers, and partners using integrated, unified communication and collaboration tools.

Transform change into opportunity

- Grow with confidence with a service-oriented architecture, and Web services that enable you to easily add users, support new business models, and scale your solution for large, distributed enterprises.
- Automate supply chain collaboration and document exchange with NGRERP.
- Build and quickly modify ad-hoc work streams to adapt quickly to changing industry and customer demands.
- Meet highly specialized needs with NGRERP industry solutions.
- Choose the solution package you need today, and then add capabilities as your business grows by taking advantage of current investments in NGR's technology and services.

Be a world-class contender

- Expand easily across borders with country-specific functionality, including capabilities for multiple languages and currencies. Help support compliance with local financial requirements for more than 23 countries.
- Unify standards and help ensure quality by centralizing processes, sharing best practices, and extending supply chain management across multiple sites and divisions.
- Manage and monitor performance across your organization with sophisticated reporting and analysis tools.

- Enhance the analytic capabilities critical to managing a complex business environment with NGRERP.
- Give people access to real-time key performance indicators (KPIs), scorecards, and data through NGRERP.
- Enable key decision - makers to work with critical information using NGRERP.

Stay on top of regulatory requirements

- Save time and effort with workflows that enforce and enhance controls based on specific risk and compliance scenarios.
- Help ensure consistency with standardized, repeatable processes that can reliably aggregate compliance data and monitor internal changes.
- Support customer initiatives—including "green" and RFID supply chain strategies—with capabilities that reduce manufacturing waste and promote environmental sustainability.
- Centralize and share corporate governance and compliance activities through the NGRERP for managing policies, process documents, audit trails, reports, and key risk indicators.
- Reduce the cost and uncertainty of protecting corporate compliance data by taking advantage of the powerful security features built into NGRERP.

Maximize your IT investment

Start getting a return on your investment right away. Easy-to-use tools encourage rapid user adoption so people are up and running quickly. Increase the value of your data by providing more people with access to information and processes in NGRERP at a reduced licensing cost, using the Web-based NGRERP.

NGRERP is built for your business

Meet unique industry and vertical needs with tailored NGRERP industry solutions

NGRERP for Process Industries

Efficiently produce and deliver products that follow custom formulas or recipes and take full advantage of manufacturing and supply chain capabilities.

Optimize operations and support compliance with legal, regulatory, and market requirements to profitably satisfy customers and gain a competitive advantage.

NGRERP for Industrial Equipment Manufacturing

Streamline, monitor, and control the entire production and service cycle for component, subassembly, and whole-system manufacturing.

Increase operational visibility, enhance control of processes and projects, and fuel expansion into new territories and services.

NGRERP for Field Services

Coordinate and manage field services operations efficiently by streamlining the work order lifecycle; optimizing scheduling, dispatch, and resource management; and managing contracts, warranties, and assets efficiently.

Connect your office and field staff with the information and processes they need to help reduce response times, lower costs, and improve first-time fix ratios.

NGRERP for Retail Point of Sale

Integrate central and store operations with an end-to-end retail solution that enables you to optimize your distribution chain and handle your promotions effectively.

Increase profitability by efficiently managing products, processes, transactions, and business relationships—from category management through supply chain to the point of sale.

Consumer-Driven Planning with NGRERP

Plan and forecast your demand efficiently and make profitable value chain choices with powerful business intelligence capabilities and flexible workflows.

Support cross-functional processes, plan ways to meet demand effectively based on simulation scenarios and their financial impact, and evaluate performance throughout the supply chain with sales budgeting, demand forecasting, assortment planning, and promotion planning.

NGRERP for Apparel and Textile

Satisfy demanding customers, bring products to market faster, and manage global

Gain agility with powerful integration and address complex needs for item coding, traceability, and changing processes—from fibers to yarns and consumer and industrial fabrics; home goods and carpet; and clothing, designer lines, and fashion accessories.

NGRERP Financial Management

Financial Management in NGRERP helps you automate your business-critical financial processes so you and your people can be more effective.

Increase your business without geographic constraints

A truly comprehensive solution, Financial Management in NGRERP gives you critical local market functionality. The solution helps you do business across borders, by supporting multiple languages and currencies, while managing currency exchange rate adjustments and helping meet accounting requirements in different countries.

The Financial Management in NGRERP can help you manage local legal and regulatory compliance, so you can maximize your tax treatments and create favorable business conditions in foreign markets. You can also employ extensive tax management functionality to choose from a wide range of options for tax calculations, posting and reporting.

Improve the efficiency of your financial operations and enable strategic planning activities

Fully integrated with other functionality inside NGRERP, like as project finance, logistics, trade, production, Asset Management and others, the solution can help you register financial data in the ledger

in real-time, reflecting the business flow and securing fast and accurate financial reporting. Connectivity across modules lets you trace transactions to their origin, so you can verify and analyze transactions immediately or on demand, to support external or internal audits. You can ensure the security of critical data by allowing information access or approval privileges based on job function or other criteria.

You can use Financial Management in NGRERP to execute financial operations from a single corporate database, thereby reducing time-intensive, repetitive administrative tasks and helping your team move from strictly tactical activities to more strategic ones. You can consolidate results online across multiple companies, and a customizable user interface and on-line help functionality helps deliver low training costs.

Manage your cash flow effectively

Financial Management in NGRERP can give you deeper insight into your financial status and cash flow whenever you need it. You can analyze your liquidity with cash flow forecasts and optimize the way your company manages foreign currencies. With the Bank Management in NGRERP, you can reconcile your accounts, custom format paper checks and monitor and report deposits, payments and balances on bank accounts. You can also use the electronic payment option to import customer payments automatically into your payment journal, or make vendor payments with clear visibility into all your accounts to help you manage your cash flow more effectively.

Provides greater insight into your finances and improves your ability to make the right decisions

Use financial dimensions to deepen your analysis capabilities without complicating your chart of accounts. Define and work with multiple financial dimensions which help you break financial data into categories for more detailed analysis. For example, you can analyze and measure financial data across cost centers, departments, regions, products lines or other dimensions that you can create and customize.

In Financial Management in NGRERP you can generate financial reports with flexible advanced reporting tools offering multiple import

and export options, including Excel and hardcopy. You can map your charts of account and dimensions into reporting structures that match your business model, or you can aggregate figures into a framework for strategic analysis.

Financial Management in NGRERP can also analyze actual results against multiple budget assumptions to deal with dynamic market conditions where a single, fixed budget for the fiscal year is not realistic.

Benefits

- Helps you ensure regulatory compliance and expand your business across geographies
- Helps you improve the efficiency of your financial operations and enable strategic planning
- Helps you manage your cash flow effectively
- Provides greater insight into your finances and improves your ability to make the right decisions quickly
- Financial Management in NGRERP gives you the power to perform fast and reliable accounting, financial reporting and analysis. You can extend access to your financial data across your company and business community, so that you can improve the efficiency of your existing accounting processes.

Features

General ledger

- Flexible setup of accounting periods
- Fast and reliable year-end procedure
- Multiple budgets
- Multiple journals
- Journal approval procedures

- Recurring journals
- Validation prior to posting
- Allocation based on percentages for accounts, and Dimensions
- Extensive tax module for different types of tax calculation and reporting

Bank management

- Reconcile bank accounts
- Setup of checks
- Monitoring deposits, payments, and bank balances
- Electronic import of bank account statements available for some countries

Accounts receivable

- Credit control
- Flexible terms of payment and cash discounts
- Advanced payment schedules
- Pre-payment capability
- Draft handling (bill of exchange)
- Payment proposal feature with flexible payment method
- Free text invoicing (non-stock invoicing)
- Interest calculation functionality
- Flexible collection letter procedures
- Export and import formats for electronic payments
- Multiple currency handling and exchange rate adjustment

Accounts payable

- Bridging accounts
- Flexible terms of payment and cash discounts
- Advanced payment schedules
- Pre-payment capability
- Promissory note handling
- Payment proposal feature with flexible payment method
- Invoice registering and approval process
- Export and import formats for electronic payments
- Multiple currency handling and exchange rate adjustment

Easy to use

- Intuitive screen layout and structure
- User-adjustable menus, entry forms and reports
- Advanced sorting and filter options
- Option to e-mail and hardcopy directly from NGRERP

Global functionalities

- Multi-language capabilities
- Comprehensive local market functionality
- Multi-currency and secondary currency handling
- Currency Converter
- Euro conversion
- Exchange rate adjustment handling
- Intrastat and EU sales list
- Country-specific bank formats for electronic payments and import of bank account statements

Data analysis

- Powerful financial dimensions for data analysis
- Flexible report generator
- Extensive reporting structure
- Traceability and tracking

Reliability and security

- Strong audit trail capabilities
- System controls and transaction validations
- Transaction approval
- Extended options for setup of access rights

Advanced General ledger

- Intercompany accounting
- Global consolidations
- Account allocations based on predefined criteria for actual or budget amounts
- Cash-flow forecasting and currency requirement calculation
- Posting control extension for Dimensions hierarchy

*Asset management

- Manages the full life cycle from acquisition, depreciation to disposition
- Maintains asset status information
- Improves control over Asset Management to drive accuracy and timeliness in your accounting results
- Supports five depreciation methods (straight line, declining balance, factor, manual percentage and consumption)
- Forecasts using Asset Management budgets

*Budgeting with NGRERP

Improve your organization's flexibility to develop, modify, and control budgets with NGRERP. Various budget types are supported within NGRERP from budgeting based on historical transactions, budget transfers, budget encumbrances to fixed asset budgets.

NGRERP gives organizations the capacity to define budget amounts and track budget to actuals as well as forecasts to actuals. Budgets can be defined using a top-down approach, a bottom up approach or using a mix of the two approaches.

NGRERP allows you to:

- Determine the financial components used to establish and control budgets.
- Update or revise budgets based on economic events.
- Use a budgeting tool that is right for the organization.

Some organizations may want basic budgeting functionality while others may want a full cycle budgeting process with a several organizational rules baked in and a multi-level approval process.

Budget Planning in NGRERP

NGRERP provides a flexible model for budget planning

- **Top Down approach:** Creating an organizational budget and then allocating it down to the various organizational units such as cost centers
- **Bottom Up approach:** Creating a budget by organizational unit such as department and cost centers and then rolling it up into an organization level budget
- **Hybrid approach:** Having both approaches maintained in different simulation models and then developing a budget that seems appropriate for the organization

The budget planning process has the following components

- **Responsibility centers:** Organizational units that will administer the budget components e.g. Sales Department manages the Sales Budget; Operations will manage the Operations Budget
- **Scenarios:** Multiple scenarios can be developed such as historical, top-down, bottom-up which can be used for comparison
- **Stages:** The various steps in the budget planning process
- **Workflows:** The linking of the various stages in the budget and the relevant responsibility center owners
- **Templates:** Excel based templates that can be distributed in case users prefer to develop budgets in Microsoft Excel

Budget planning configuration in NGRERP allows users to define scenarios, stages, workflow processes, constraints, schedules, priorities, templates used in budget management.

Types of Budgets

NGRERP supports multiple budgets at the GL level and the sub-ledger level including

- General Ledger Budgets
- Project Budgets
- Fixed Asset Budgets
- Inventory Forecasts and Budgets
- Supply Forecasts and Budgets
- Sales Forecast by Item, Item Group, Customer, Customer Groups

Budgets can be tracked for revisions and transfers through the use of budget types which include

- Original Budget
- Revisions

- Transfers
- Pre-Encumbrances
- Encumbrances

This provides granularity and the ability to track results at multiple levels. For example, actuals and forecasts can be compared with original budgets, original budgets with revisions, original budget and transfers plus revisions.

Developing Budgets in NGRERP

NGRERP provides multiple ways to develop budgets in NGRERP

- **Historical base budgeting:** Creating budgets based on prior actuals with some changes e.g. add 10% growth in sales and increase indirect expenses by 5%. Since there is native integration with Microsoft Excel, you can export out a suggested budget and then make changes in excel and publish it back.
- **Budget derived from another Budget:** Creating budgets based on another budget
- **Zero Base budgeting:** Create budgets directly in NGRERP

NGRERP gives budget analysts and controllers the ability to define policies and workflow that meet the needs of an organization and to modify or adjust budgets as market conditions change. User defined budget codes can enable greater budget analysis and an audit trail related to the origination of budget amounts, and budget types can be set up to enable business logic to enforce rules. These rules are defined by the organization to enforce budget control.

Budget Control with NGRERP

Built into NGRERP is the ability to track budget versus actuals and stop over-spend at the point of approval or entry of a transaction. Budget control dimensions can be selected from the financial accounting structure that will be used for budget control. Budget control can be applied to a variety of transactions including purchase requisitions, purchase orders, vendor invoices, expense reports, travel requisitions and more.

NGRERP Sales Orders and Purchasing

NGRERP is an all-in-one solution that gives you real-time connectivity across your business. Using NGRERP, you can integrate sales and purchasing processes with other key functional areas including logistics, production, warehouse management, financials, CRM and master planning.

Deliver better customer service

NGRERP streamlines the purchasing, warehousing and sales processes. It helps you improve your customer service by giving you advanced control over your sales orders. When entering sales orders, NGRERP automatically checks credit limits, customer account information, pricing agreements, and inventory levels so you can give your customers real-time information. NGRERP gives you the ability to look into real time available to promise (ATP) data, and it also applies delivery date control so you can make accurate and precise order and delivery promises. You can print, e-mail, or publish order confirmations on the Web, offer your customers flexible invoicing options, keep track of backorders and manage returned items.

#To further speed up your sales and purchasing process, you can electronically exchange trading documents with your customers and suppliers.

Optimize your purchasing processes

NGRERP helps you purchase the right products at the right time with the best price. With insight into supplier prices and lead times, you are better able to compare quotations from suppliers with different delivery deadlines, price conditions or other parameters. Historical data and analysis tools help you evaluate past supplier performance so that you can make more informed purchasing decisions for the future.

The tight integration within NGRERP means that you only need to register received goods once, and then all relevant areas of the system are automatically updated. This streamlines record-keeping and saves time and resources, while reducing the risk of manual errors.

Trade seamlessly with your subsidiaries

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The intercompany functionality of NGRERP enables several companies, subsidiaries, or distribution centers to trade internally within one NGRERP installation. Intercompany functionality allows a company to apply a variety of required intercompany trading policies that help ensure the trading process between companies is always in sync, enabling a greater degree of process automation and control. You can minimize your stockholding costs by having visibility into inventory in all companies, subsidiaries, and distribution centers and sourcing inventory across locations. You can minimize your manual work effort across companies by automating the intercompany trading processes and the intercompany order fulfillment.

Achieve better cost control with greater visibility

NGRERP helps you maintain accurate inventory valuation and gain insight into the variation of your cost prices. The cost price of inventory can be continuously updated through re-calculations to reflect the actual price. The standard cost price and any differences can be posted to different general ledger accounts so that variances are readily visible.

Inventory valuation can be performed according to different methods for different items including FIFO, LIFO, weighted average and standard cost price. The handling of miscellaneous charges helps keep inventory valuation more accurate. You can also control the effect of miscellaneous charges, such as labour and overhead costs, on cost prices.

Benefits

- Deliver better customer service with more efficient sales processes
- Reduce costs by supporting your purchasing and warehousing processes
- Improve relationships with your customers and suppliers using trade agreements
- Trade seamlessly with your subsidiaries with the ability to manage intercompany orders within one system.

- Achieve better cost control with greater visibility into cost prices and accurate inventory valuation

Features

Purchase order creation

- Purchase orders can be initiated from production orders, sales orders or inventory coverage rules
- Easy creation of purchase orders with direct linkage to the sales order to support just-in-time purchase for customer requirements

Sales order creation

- Support for enhanced delivery date control ensuring the correct calculation of the ship date based on the customers requested receipt date
- Quick entry of order lines
- Support for drop shipments

Conversion of currency on open orders

- Real-time conversion of currency on open orders

Easy-to-use price overview

- Flexible and comprehensive price calculations for increased price accuracies and customer services
- Quick access to individual customer prices and discounts
- Possible to compare cost prices against revenue

Direct open-transaction editing

- Settle invoices when posting credit notes
- Settle prepayments when posting invoices

Backorders

- Easy creation of credit notes from invoice journals

Alternate items

- Automatic substitution of unavailable items with alternate items

Delivery fulfillment status, partial delivery

- Notification of partial deliveries and remainders on sales order documents
- Specify acceptance parameters for over or under delivery

Cost price principles

- Cost price principles: FIFO, LIFO, standard cost price, and weighted average
- Individual cost price principles per item group

C.O.D. (Cash On Delivery)

- Printing of C.O.D. documents when invoicing
- Follow-up on C.O.D.s outstanding

Ledger reconciliation

- Easy reconciliation of inventory values versus ledger transactions for revision purposes

Intercompany

- Real time creation and update of intercompany sales orders from purchase orders and vice versa
- Full order and logistics transparency upstream and downstream the intercompany chain
- Support for master scheduling across companies
- Support for automatic payment and settlement
- Support for multiple intercompany pricing policies
- Support for various degrees of process automation for sales and purchase orders
- Exchange of information between companies, subsidiaries, and

distribution centers is possible without having to use identical identification for customers, vendors, items, units, etc.

Allocation of miscellaneous charges on cost prices

- Different methods of handling miscellaneous charges available
- Add miscellaneous charges to item cost prices
- Post-adjustment of item cost prices possible for allocation of subsequent costs

Blanket orders

- Create release orders directly from the blanket order
- View delivery status from the blanket order

Trade agreements

- Set up price, discount, multi-line discounts and total discount on customers, vendors, and items as well as groups of these customers, vendors and items
- Set up prices and discounts in all currencies
- Automatically calculates total discounts on orders
- Full flexibility to maintain prices and discounts on item and inventory dimensions

Returned items

- Print freight slips and credit notes
- Possible to post returned items to scrap, repair or inspection and allocate reason codes

NGRERP Items and Inventory Management

Items and Inventory in NGRERP gives you the flexibility to manage inventory and purchasing according to your needs, with functionality to support forecasting, classifying and tracking inventory.

The solution exchanges information with many other functionality inside the solution, including production, sales and purchases, finance, trade and CRM, helping streamline your manufacturing processes and supply chain and to ensure a high degree of synergy between Inventory and other key areas of your business.

In addition, Items and Inventory Management in NGRERP can help you reduce costs, satisfy your customer demands, and improve your overall business performance.

Optimize inventory levels

Items and Inventory in NGRERP offers strong forecasting functionality that supports long-term planning, to help you optimize inventory levels. You can create sales and purchase forecasts based on items and time periods and use an unlimited number of forecast models to simulate various future scenarios. To quickly project cash flow, you can transfer item forecasts to the general ledger forecast.

Get detailed insight into your inventory

Inventory dimensions are a powerful tool for classifying your inventory according to storage and item characteristics, so that you can get a detailed overview of your inventory whenever you need it. You can track items throughout the system using batch and serial numbers. You can also view documents related to an item from anywhere in the system. At any time, you have direct access to information telling you where items were used and where they can be found.

Optimize production flow

By utilizing the information possessed within your company and associated supply chain, Items and Inventory in NGRERP can help you optimize production, material planning and scheduling. Finite material and capacity scheduling can be performed at the same time so that available capacity, inventory levels and purchase and transportation lead times are taken into consideration in your production planning. This helps you plan purchase, production and transfer orders more reliably, which can help you optimize your production flow and provide on-time delivery to your customers.

*Flexible planning results in increased efficiency

Use different master plans to run online simulations and what-if scenarios, so you can foresee the impact of different sales forecasts and planning strategies. You can run master scheduling in a fast, net change mode where only the latest changes are included in the calculations. This allows you to run materials and production planning as often as needed, so you can always have an up-to-date picture of the net requirements.

Outsource production with ease

Master Plans developed with Items and Inventory in NGRERP helps you outsource production to sub-contractors whenever you need to. You can also model sub-contractor capacity levels in the system and quickly implement make or buy strategies throughout the planning process. This benefits both you and the customer; freeing your capacity and helping you keep delivery promises.

Quickly respond to changes

Action messages suggest changes to purchase and production orders based on changing requirements, helping you to optimize inventory levels and improve production flow. Additionally, future messages provide notification of the earliest possible delivery date, so that you can quickly take action on sales orders to maintain customer satisfaction. You can also increase the efficiency and accuracy of planning with time fences, which help ensure that procedures are carried out at the correct time according to your manufacturing policies.

Deliver on time

Avoid making delivery promises you cannot keep by running available-to-promise (ATP) calculations based on available inventory and current production orders, as well as capable-to-promise (CTP) calculations based on raw material lead-times and production capacity.

Minimize inventory levels to reduce costs

Cut down on unnecessary inventory carrying costs while still meeting your customers' delivery demands. Forecast scheduling in Master Planning in NGRERP uses sales forecasts to project production

and purchasing plans that are closely matched with demand. You may also optimize your safety stock levels based on either target service levels or on lead time coverage. Include seasonal deviation in product sales when calculating safety stock to further refine inventory levels.

Function seamlessly across warehouses

Further optimize your production planning by sourcing materials from across multiple warehouses. Master Planning in NGRERP can operate with any number of warehouses and automatically generates transfer orders to fulfill inventory requirements. In addition, you can set up each warehouse with individual parameters to help ensure correct levels of safety stock and service at different locations.

- Minimize lead times and maximize on-time deliveries to customers
- Respond quickly to changes in demand for materials and capacity
- Reduce inventory levels through improved production planning and forecast scheduling
- Finite capacity schedule at order taking

Benefits

- Optimize inventory levels by matching supply with customer demand.
- Improve your inventory management with detailed insight into your inventory and item tracking.

Features

Forecasting

- Create sales and purchase forecasts
- Use item and period allocation keys to allocate forecasts to individual items and time periods

- Consolidate sales and purchase forecasts into one inventory forecast

Master Planning

- Based on sales and purchase forecasts
- Gives you an overview of long-term purchase, production and resource requirements
- Provides you with an overview of short-term purchase, production and resource requirements based on existing orders and/or forecast scheduling
- The result is planned production, purchase, transfer, intercompany orders and net requirements.

Planned orders

- Planned purchase, production and transfer orders are the result of master planning. They can be modified, deleted or accepted, firmed and approved.

#Future messages

- Future messages flag orders that cannot be delivered on the requested date. The future message is the earliest possible delivery date based on materials and capacity requirements.

Item dimensions

- Characterize single item by using up to three item dimensions: configuration, size and color
- Rename the size and color dimensions to suit your purpose
- Maintain valid combinations of item dimensions - can be allocated manually or automatically
- Specify the number of item dimensions used per group of items
- Set up specific prices and discounts per item dimension combination

Storage dimensions

- Describe storage by using warehouse, pallets and locations
- Track items using the serial and batch number dimensions

Advanced on-hand tracking

- Get overview of current on-hand inventory per warehouse
- Drill down to current on-hand situation by any item or storage dimension or combination of these
- Tools for tracking batch and serial numbers throughout the system

Quarantine management

- Set aside items in quarantine using quarantine orders, either manually or automatically when receiving items
- Look up quarantine inventory at any stage in the quality control process

ABC analysis

- Calculate ABC analysis using user defined limits
- Calculate the ABC analysis based on: revenue, cost value, margin, and carrying costs

Placement and storage

- Specify different location and storage policies at both the warehouse level and the item level
- Specify warehouse locations on five levels: warehouse, aisle, rack, shelf and bin

Inventory dimensions

Eight different dimensions to specify exact location of items in inventory Identification of:

- physical location: warehouse and location

- physical location: warehouse, location and pallets
- item origin: serial number and batch number

*Barcode support

- Maintain multiple barcodes per item
- Read and write the following four different types of bar codes: EAN128/UCC128, Code 39, Interleaved 2 of 5, Code 128

Serial and batch number control

- Stamp a single item or a group of items with a unique number for tracking

Warehouse locations

- Specify warehouse locations on five levels: warehouse, aisle, rack, shelf and bin

Pick & shipments

- Drill down output orders to possible pick locations through the shipment journal
- Send out electronically advanced shipping notification (ASN) to the receiver
- Specify that shipments are sales order specific or customer specific
- Include shipments for multiple orders per customer

Output orders

- Release order picking sales order ensures you have stock on hand to multiple
- orders
- Derive output orders from sales order lines or production order lines
- Generate output orders as requisitions to warehouse
- Define shipments so that they result in the creation of optimized

picking routes

Different pallet types

- Create pallet transports from the following order types: input, output or refill orders
- Allocate prioritization to order types
- Consider different pallet types corresponding to different sizes when selecting locations
- RFID registers the pallets, inventory items and controls them throughout the
- supply chain

#RFID & bar-coding

- Read and write the following five different types of bar codes: EAN128/UCC128,
- Code 39, Interleaved 2 of 5, Code 128.
- Read and write to RFID-EPC tags
- RFID registers pallets and inventory items and controls them throughout the
- supply chain
- Print pallet label, location label and bill of lading labels containing bar codes

#Quarantine management

- Specify quarantine requirements at the item level
- Automatically send and lock quarantine items pending inspection to the quarantine warehouse

NGRERP Manufacturing and Production Scheduling

Production in NGRERP gives you real-time insight into your

manufacturing processes to help efficient creation and management of bills of material and increase both your production efficiency and profitability, while helping to reduce your overall costs.

Create bills of material quickly and easily

The BOM is used to create and manage BOMs. The user-friendly environment makes it faster and easier to construct BOMs. The BOM displays all levels and components of the BOM.

The BOM allows you to add or remove items from the BOM into the operations on the route where they are to be consumed. This helps to achieve more accurate lead time calculations when scheduling production in Master Planning in NGRERP.

Flexible management of bills of material

Items and Inventory in NGRERP gives you an efficient and flexible means of managing bills of material to ensure you get the most accurate costing and materials requirements information. Twenty BOM levels can be managed effectively and accurate consumption of raw materials can be calculated using formulas specific to each component. Price calculations, using cost price, can be performed for each level of the BOM, giving you accurate and detailed pricing information which is updated throughout the solution. You can create multiple BOM versions to provide maximum flexibility, and you can use the version date of each BOM to control the validity of different versions. Previous BOM versions can be accessed and reused at any time.

Flexibly manage your manufacturing resources

Production in NGRERP can give you the flexibility you need to achieve maximum profitability from your manufacturing resources. Manufacturing orders can be created independent of or on the basis of proposals from master scheduling, and Production in NGRERP helps you manage bills of material (BOMs) efficiently. You can get a quick and reliable overview of the manufacturing resources required to meet customer demand by performing rough capacity scheduling, taking both finite or infinite capacity and materials scheduling into consideration. You also get the flexibility to schedule production

processes backwards or forwards from any date.

Optimize your production flow

You can define your manufacturing resources, including machines, employees, tools or even sub-contractors as work centers and allocate them to work center groups. Scheduling can be performed at different levels of detail: operations scheduling for work center groups and job scheduling for individual work centers. You can achieve maximum scheduling flexibility by determining whether finite or infinite capacity should be used for each work center or work center group.

Detailed capacity scheduling can determine the "best fit" between a work center and a specific operation and automatically selects the work center with the shortest lead time. Reduce time spent waiting for the availability of a work center with the option of selecting the "next best" alternative.

Increase your production efficiency

Minimize lead times by creating cross-group links between resources that can handle the same task to help ensure the most efficient scheduling. You can also reduce setup time by using properties to ensure that operations that require the same work center setup are scheduled concurrently. Advanced facilities for sequence and bottleneck scheduling are provided, which can reduce setup times and make tight, controlled plans on the bottleneck. Production in NGRERP helps complete sub-contracting for full or partial production orders by utilizing material flow and planning.

Get real-time insight into production

Production in NGRERP gives you visibility into all the information you need to efficiently manage your production processes, including planned production orders, production start times, capacity loadings, delivery dates and materials availability. Detailed job monitoring gives you a clear overview of individual work centers activities during the course of the day, so that you can assess production performance to schedule.

The job scheduling gives you a real-time, overview of your production schedule so you can make tactical, day-to-day changes that

optimize production flow. You can use the Gantt chart to easily schedule changes both within and between different work and machine centers by using simple drag and drop functionality, and see the consequences of your changes on the production floor in real-time.

Improve performance with flexible routings

Choose the best route for an operation on any given day. You can set up and maintain different routing versions, including network routes that help you avoid bottlenecks and maximize production efficiency. You also have the flexibility to have routes assigned automatically (using date and/or quantity) by the system, or you can choose to select them manually.

Production in NGRERP provides you a variety of information about the operations that make up your production routes, including an overview of the work centers used and the queue time, setup time, run time and transport time required for each operation. You can also specify the amount of scrap and calculate the time that is expected to be used at each operation.

Monitor production costs with ease

Production in NGRERP lets you choose flexible options for recording capacity and materials consumption. You can record consumption and costs prior to production in a forward manner using base data, or record actual consumption during production. Consumption and production costs are automatically posted into the general ledger, which cuts down on manual data entry and quickly enables you to compare actual and estimated production costs.

Benefits

- Improve your materials requirements planning with flexible options for managing bills of material.
- Minimize lead times and satisfy customer demand with flexible scheduling options
- Control the utilization of your manufacturing resources for optimum performance

- Track production progress and easily make changes to increase production efficiency and reduce costs

Features

Bills of material (BOM) Management

- Multi-level BOMs
- Version and Date control of multiple BOMs
- Approval routing
- Formulas for calculation of variable or constant consumption
- Supports phantom BOMs
- Variance configurator
- Allowances for scrap can be made in the consumption calculation
- Where used feature
- BOM explosion for materials planning and pricing calculation on all BOM levels
- Dependent BOM versions

Creation of production orders

- Manual creation of production orders
- Create production orders through planned production orders in Master planning
- Create production orders directly from a sales order line

Production orders

- Production groups – provide categorization for posting to the general ledger
- Production pools – allow production orders to be grouped for scheduling
- Quick overview of the status of the production order

- Tracking actual production costs against estimated
- A production order can be split into two or more orders

Subcontracting

- Purchase of services from subcontractors
- Vendor delivery note
- Vendor account and warehouse
- Link sub-contractor purchase orders to the production order

Production Bill of Materials

- Standard BOM is copied to Production order, from where it can be modified, if needed
- Supports Measurement formulas to calculate consumption
- Supports negative quantity on BOM lines to handle by-products of production

BOM line type

Each item within a BOM can be controlled by a line-type. A given item can be handled as:

- Sub-production
- Phantom BOM
- Subcontract
- Normal item

Production status

A production order goes through the following steps:

- Created
- Estimated
- Scheduled

- Released
- Started
- Report as finished
- Costed

Production status control

- The production order can be rolled back and deleted if required until the costed stage

Financial integration

- On-line updating of WIP (items in process and work centers in process) and actual cost to the general ledger when updated in Production

Production consumption

- All consumption is reported through journals. Journals can be automatically generated and/or posted.
- Support for pre-deduct and post-deduct of item and resource consumption
- Scrap can be handled either as a constant or a variable

NGRERP Reports

NGRERP Reports adds functionality to help corporations improve their business performance through an enhanced financial reporting process. Your organization and finance users can create, generate and share financial reports easily, efficiently and accurately.

NGRERP Reports plays a key role in performance management. Displaying business results, performing variance analysis, comparing projections and consolidating data from disparate general ledgers provides business users with the business insight they need to make timely and relevant decisions. Accurate and auditable reporting is also essential to regulatory compliance.

Management Reporter helps provides accurate reporting in real time, from a centrally managed source. Financial information is accurate and up-to-date, ensuring that reports are consistent. With Management Reporter, financial data can be combined from multiple financial models or general ledger companies and consolidated into a single report, giving your business users more visibility into the health of their business.

Benefits

Business users benefit from the easy-to-use and powerful reporting functionality included with Management Reporter, such as:

- Cross-enterprise business view Management Reporter provides organizations with a way to bring together financial information from different financial models or general ledger companies in order to create a consolidated view of the business.
- Easy and secure report distribution Widely distribute dynamic and standard reports including financial statements, management reports, and ad-hoc analysis to the decision-makers across the organization.
- Strong support for regulatory compliance Management Reporter helps organizations support generally accepted accounting practices (GAAP) and International financial reporting standards (IFRS). Centralized data management, including security and business rules, and transactional reporting simplify regulatory compliance.
- Enhanced partnership with IT. IT no longer has to spend time generating, formatting, and customizing financial reports for the business. Business users can create / generate their own reports, while IT can help ensure they have the right infrastructure and data to access richer, more targeted information.

Key Features

These key features found in Management Reporter simplify the financial reporting process:

- **Easy creation and customization:** Using the report wizard, key financial reports such as trial balance and income statements can be created in as few as seven steps. Additional templates are provided with Management Reporter that facilitate creating balance sheet and cash flow statements.
- **Advanced financial intelligence:** Hierarchies can be defined to facilitate the creation of different views of your business. Business users can create management, legal, and soft consolidated reports. Combined with comparative data like month to month, year over year, and actual to forecast, business users are better able to understand business trends. Additional concepts include year to date amounts, debits vs. credits, and posted and un-posted data.
- **Multiple ways to access reports:** Business users can create and generate secured reports that are distributed to a report library for viewing via a native viewer, or exported to either Microsoft Excel or as a hardcopy.
- **Enterprise-grade statutory consolidation functionality:** Business users can easily produce consolidated financial reports across multiple currencies while also supporting inter-company eliminations and reconciliations.
- **Integration with your general ledger:** Management Reporter can be integrated with your general ledger system, allowing your organization to quickly create accurate and up-to-date reports easily.

* **This functionality has been added but to be improved in the near future.**

This functionality will be added in the near future.

For More Information

If you are evaluating ERP solutions or for assistance on implementing NGRERP email us at sales@ngrtechnosys.com

About NGR

NGR Technosys is a global supplier of business management and revenue performance management solutions. At NGR, we live and breath business every day. We are passionate about helping our customers achieve their ambitions. Our range of business management and revenue performance management solutions are continually evolving as we innovate to answer our customer's needs.

Our Business Management solutions support accounting, operations, customer relationship management, human resources, time tracking, merchant services, and the specialized needs of the construction, distribution, healthcare, manufacturing, nonprofit and real estate industries.

Our Revenue Performance management solutions transform marketing and sales teams of all sizes to accelerate predictable revenue. Our Revenue Performance Management solutions are both powerful and easy to use, providing explosive revenue growth throughout the revenue cycle from the earliest stages of demand generation and lead management to deal close and continued customer loyalty.

To find out more about NGR's Business Management solutions or Revenue Performance Management solutions and how they can benefit your company, please visit us at www.NGRTechnosys.com or call us at +91 8985 11 2309 or email us at info@ngrtechnosys.net.

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