



MTC ERM

tomorrow's technology for today's business

MTC ERM

MTC ERM is the 1st full fledged Enterprise Resource Management (ERM) system developed on the Microsoft.NET platform, harnessing the power of the Internet while providing the full functionality of an integrated enterprise system, a merging of the best from both worlds.

Much more than the standard accounting system or the MRP II system, **MTC ERM** ties together an operation from the front office to the shop floor while providing real-time on-line information about the

critical areas of operations. **MTC ERM** fully complies with the Generally Accepted MRP II Principles and Generally Accepted Accounting Principles (GAAP).

Most Enterprise Resource Planning (ERP) systems were originally developed to integrate enterprise functions within the four walls of an organization. With the advent of E-Business, these legacy systems are made to be Web-Enable by extensive use of customized Web interface add-ons or third party portal services.

Unlike most traditional ERP system, **MTC ERM** has been designed and developed on Microsoft.NET, enabling greater collaboration and communication through the Internet. Using the .NET technology, **MTC ERM** is seamlessly and securely integrated with Microsoft products to create a truly mobile office.

MTC ERM, a true Web-based ERP system, gives you the power to obtain critical information about your organization whenever you need and from wherever you are.



TECHNOLOGY

MTC ERM is developed on Microsoft technologies from the front-end application to the back end database in order to create an advance, stable, reliable and upgradeable system. Designed for Microsoft platform and continually optimized to take advantage of new Microsoft technologies, **MTC ERM** is able to provide you the performance, flexibility and ability to run your business the way you want it and in a stable environment with the capability to grow with your business well into the future.

BUILT ON MICROSOFT .NET TECHNOLOGY

Built on Microsoft .NET technology, **MTC ERM** integrates seamlessly with other .NET systems to provide unparalleled computing experience with highly integrated communications and information. Microsoft .NET technologies also helps to reduce the turnaround time for new functions and features development as well as providing the capability for **MTC ERM** to integrate with other .NET systems.

Benefits obtained include:

- Able to integrate with even the most disparate computing environments using the .NET technologies and Web Services
- Providing the flexibility to integrate and share information with customers and partners systems.
- A highly powerful and productive programming platform that can reduce the time required to create new solutions to help your organization stay on top.
- Able to provide a more personal and integrated mobile computing experience so that users can get their information regardless of their location.

RELIABLE MICROSOFT SQL SERVER 2005 DATABASE

With SQL Server 2005, **MTC ERM** is able to provide innovative solutions that can help you gain more value from your data through scorecards, dashboards, Web services, and mobile devices to enable your organization to reach the next level.

- High Availability 24x7x365 a possibility with built in clustering
- Highly Scalable
- Highly Reliable
- Enhanced Security
- Comprehensive Analysis, Reporting and Data Mining Capabilities

32/64-BIT COMPUTING A REALITY

MTC ERM has been designed to optimize on the computing power of the 64-bit platform while maintaining the compatibility to run on existing 32-bit platforms. This scalable architecture provides you with the flexibility to scale up from your current x32 systems to x64 systems as your organization grows.

Now you can enjoy new levels of computing power minus the cost.





SYSTEM DESIGN

Functionality and simplicity has been the philosophy behind the design of **MTC ERM**. Contrary to many popular beliefs, a full fledged ERP system can be designed with rich features and advanced functions and yet be simple and friendly. Don't be fooled with the **MTC ERM**'s simple user interface as beneath its simplicity lies a powerful system, a wolf in sheep's clothing.

BUILT FOR PRODUCTIVITY

An advanced system does not mean much if it has been designed to be cumbersome and not user friendly. **MTC ERM** has been designed with input from implementers, consultants and more importantly, users themselves. This has resulted in a host of productive features being built into the core system to make it truly user friendly.

- Built in Drill Down Function
- Web Enabled

BUILT ON STANDARDS

International as well as industrial standards and principles are built into the core system to guide the various functions and features of **MTC ERM** system. These standards and principles are well documented and are proven to have permanent and enduring values. **MTC ERM** will help to elevate your business process to a new level on par with the best players in similar industry.

Generally Accepted Accounting Principles (GAAP)

Acceptable Standard from Financial Accounting Standards Board, Accounting Principles Board and Institute of Certified Public Accountants.

Generally Accepted MRP II Principles

Based on MRP II principles in accordance with American Production and Inventory Control Society (APICS)

BUILT ON BEST PRACTICES

Over the years, we have identified, documented and modeled many such best practices into the design of **MTC ERM**, resulting in reduced deployment risk and faster return on your investment. At the same time, it provides your organization with a standardized business template on which to re-engineer and model your existing business processes.

BUILT FOR BEST VALUE

Making an investment into an ERP system is no easy tasks as there are numerous packages to choose from depending in your budget and needs. There are no concrete justification as to which is good and which is bad as each of the packages has its own strengths and performance level. Some are designed for performance while some are designed for flexibility.

While **MTC ERM** cannot claim to be the best in the market, it can surely be considered as one of the best value in packaging both performance as well as flexibility together. Why should performance be sacrificed over flexibility and vice-versa?





FINANCIAL CONTROL

An integrated set of financial application modules used for collecting, processing, maintaining, transmitting, and reporting data about financial events; supporting financial planning and budgeting activities; accumulating and reporting cost information and supporting the preparation of financial statements. This module is about controlling all the financial aspects of your organization and providing the information required for making fast and accurate financial decision.

The standard modules are:

- General Ledger
- Accounts Receivable
- Accounts Payable
- Cash Management
- Costing (WAC/ Standard)

SYSTEM OVERVIEW

MTC ERM systems come with both basic as well as advanced modules that are necessary to accommodate your business from managing your Financial, Production and up to front line Sales and Customer Service. The standard systems will include the following modules:

- Financial Control
- Distribution Control
- Manufacturing Control

DISTRIBUTION CONTROL

These sets of integrated application modules deals with the distribution aspects of your business, providing you with the tools to effectively manage the sales, procurement, warehousing and logistic activities. Real time integration to the Financial Control modules helps to provide accurate costing information for better decision making.

With its web based functionalities, the information can be securely accessed from within the intranet or over the internet, anytime. Properly implemented, these modules allow for the management and control of the important parts of your business, including product planning, parts purchasing, maintaining inventories, interacting with suppliers, providing customer service, and tracking orders, as well as forming a solid foundation for future deployment of Customer Relationship Management (CRM) and Supply Chain Management (SCM).

The standard modules are:

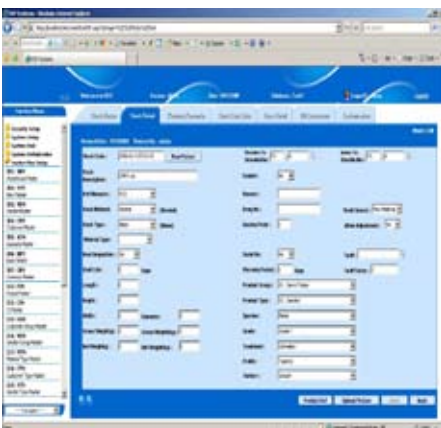
- Warehouse and Inventory Control
- Purchase Order Processing and Control
- Customer Order Processing and Control
- Approved Vendor/Customer Price Control
- Logistic and Shipping Processing
- Goods Receiving Processing
- Customer Credit Control
- Sub Contractor Control

MANUFACTURING CONTROL

Integrated with the Distribution Control modules, the modules contained in Manufacturing Control address all aspects of the manufacturing environment, helping you to identify, plan material demand and supply, analyze resource availability and requirements, and schedule, release, control and report on the final production. Analysis and simulation tools are provided to help you optimize your manufacturing processes.

The standard modules are:

- Bill Of Material
- Material Requirement Planning
- Demand & Supply Analysis
- Planner's Action
- Buyer's Action
- Manufacturing Management





SYSTEM FEATURES

A STRONG SYSTEM FOUNDATION

MTC ERM combines state-of-the-art technology and design with functional and fully integrated features for running your organization with a strong system foundation. Incorporating advance features that are normally available in expensive foreign packages, **MTC ERM** gives you the power and flexibility of high end foreign systems but at a fraction of the cost. Localization of features to suit the local business environment, **MTC ERM** gives you the tools to run your business the way you want to today, and the capability to grow with you well into the future.

The following are a brief look into some of the features and functions available in **MTC ERM**:

Overall Features

- Easy-to-use user interface
- Flexible filter menu for multiple condition searches
- Multiple currency and multiple warehouse
- Malaysian GST ready
- User defined fields in Item, Customer and Vendor master allows you to amend the title and add options to it.
- User definable interface accounts from Manufacturing to Finance
- Allows global user security setup – security settings by departmental functions (e.g. Engineering, Purchasing, Finance, etc.), and for vendor and customer access
- Allow flexibility to set the number of digits for company code, departmental, product code and Chart of accounts

General Ledger

- Provides Company, Department, Product and Natural Accounts segments in Chart Of Accounts
- Real time posting of all financial transactions to General Ledger
- Options to create General Ledger templates for commonly used or recurring Journals
- Option available to drill information down to detail Journals
- Supports exchange rate revaluation and posting of unrealized Gain/Loss Exchange Rate to General Ledger
- Full set of financial reports including Trial Balance, Balance Sheet, Profit & Loss Statement, Manufacturing Account Statement, etc.

Accounts Payable

- Auto creation of unvoucherd transaction in Account Payable from Purchase Order Receiving
- Supports Supplier Invoice Verification for matching of Accounts Payable invoice to Goods Received Note
- Supplier Payment Processing and Payment Matching. Able to generate payment requisition for management approval.
- Supports issuance and receipt of Credit and Debit Note
- Able to drill down from Supplier aging to specific supplier invoice details
- Support reporting of Invoice History and Payment History

Accounts Receivable

- All shipments to customer will be auto posted to Accounts Receivable
- Customer Payment Processing and Payment Matching
- Supports issuance and receipt of Credit and Debit Notes
- Able to drill down from Customer aging to specific customer invoice details
- Able to generate Customer Statement of Account for payment history

Cash Management

- Supports miscellaneous disbursement and receipt including Petty Cash and Inter bank fund transfer.
- Real time Bank Ledger transaction and Bank Balance enquiries and reports
- Capability to perform basic Cash Flow Projection
- Supports Bank Reconciliation





Inventory Management

- Mass Stock Movement including Transfer and Adjustment by Document Number
- Stock Inquiry by Lot, by location and by item
- Stock Aging. Drill down to the detail (by lot no.)
- Stock Movement / Transaction History

Customer Order Processing

- Supports different types of costs with user defined margin and discount rate
- Able to pick items and convert from quotation to Sales Order
- Able to print Customer Stock Code and Customer Description on the Delivery Order and Invoice
- Supports multiple CO into one Delivery Order / Packing List

Purchase Order Processing

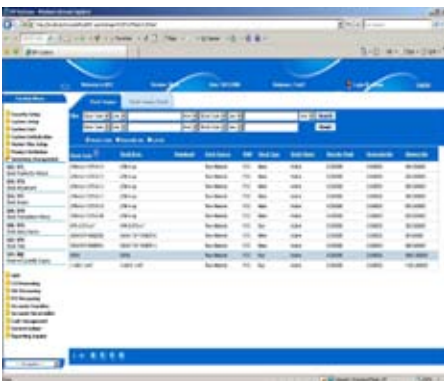
- Supports different types of costs, discount rates and sales tax
- Able to perform receiving based on PO and updates information to stock and Accounts Payable
- Supports multiple PO in one receiving document

Bill of Material

- Multi level Bill Of Material
- Includes Material, Labour and Work Centre
- Multiple Revisions, Effective Dates with Engineering Change Note Tracking
- Auto Roll Up Multi-level Costed Bill Of Material (BOM)
- Single/Multi where-use Inquiry

Material Requirements Planning

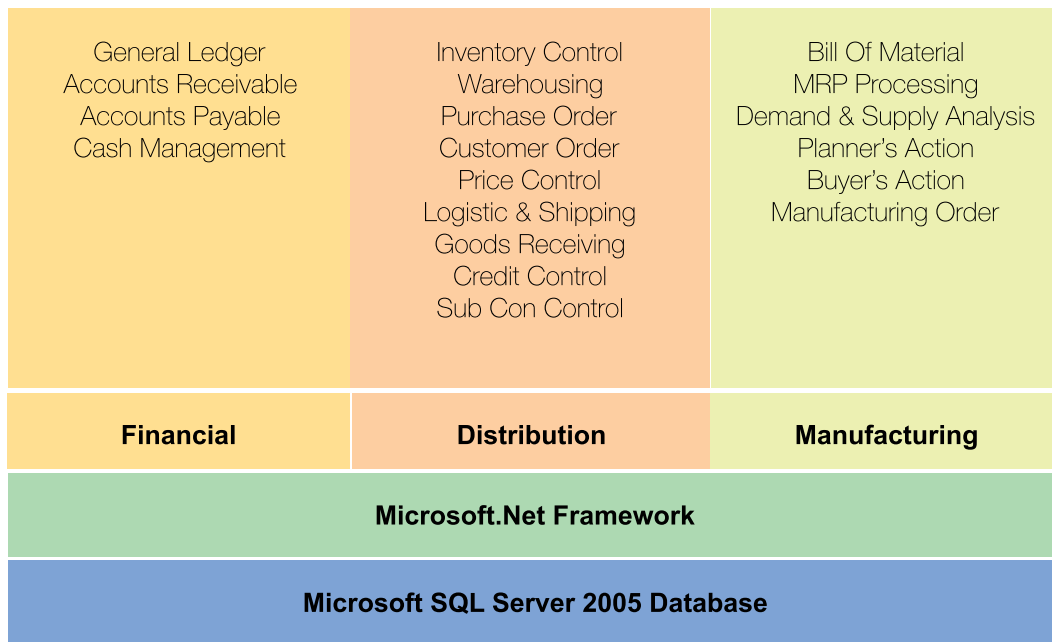
- MRP and cost roll up can be scheduled to run by week, by day or by hour.
- Supply & Demand screens analyses the stock on-hand, customer requirements and plan order.
- Able to set the demand reference. Able to click and drill down to view the CO/ MO detail.
- Able to view Planner Action to know what to make, when to make, how much to make. If you are making too much stock, system will advice you to scale down. If production date is too early or late, system will advice you to reschedule accordingly.
- Options to transfer to Buy or transfer to sub-con or just to manufacture internally
- Able to combine Multiple process/routing into one MO with different line no.
- Able to view Buyer Action to know what to buy, when to buy and how much to buy. If you are buying too much stock, system will advice you to scale down. If delivery date is too early or late, system will advice you to reschedule accordingly.
- For Sub-contractor, system will trigger sub-con Purchase Order and advice what material to deliver to them and able to receive completed product from Sub-con.
- This Lead time analysis shows the total lead times from buy to make based on BOM.



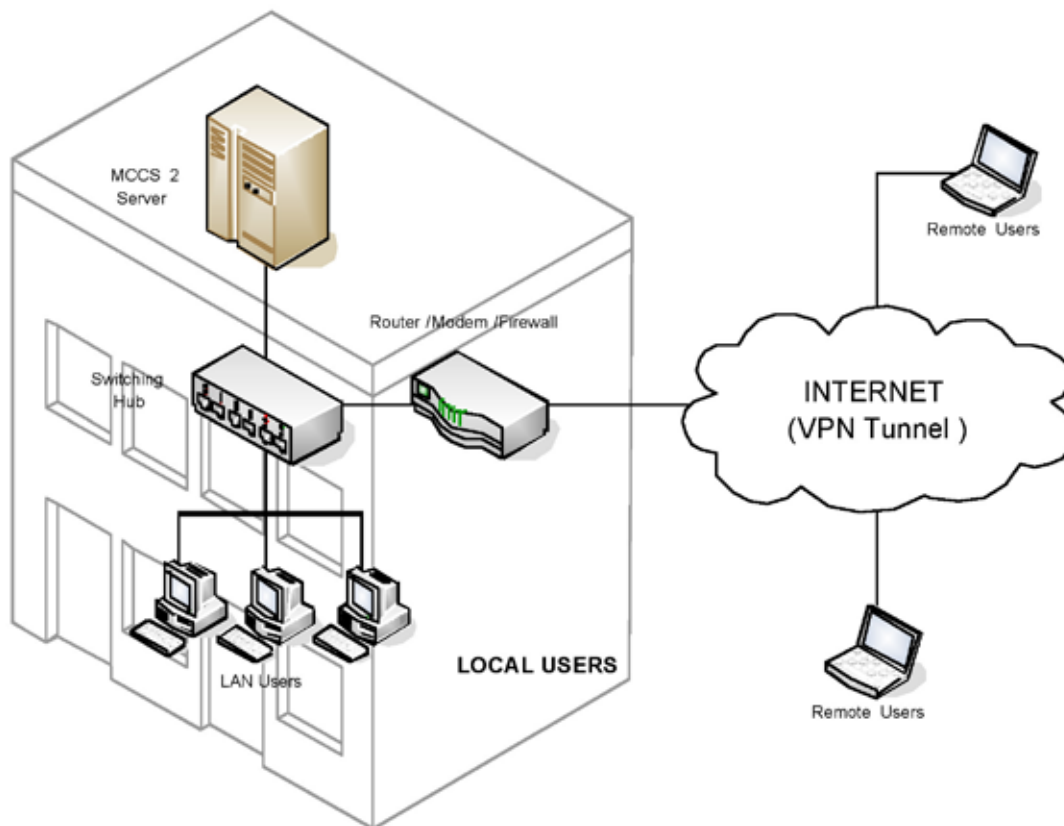
Manufacturing Order Processing

- Able to check shortage of components in a Manufacturing Order before releasing MO to production
- Manufacturing Order processing supports both Push or Pull method
- Supports issuance of Raw Material, Labour or Machine Hour and receipt of Semi Finished or Finished Goods
- Supports Backflush for deduction of material from production based on actual usage.
- Supports Material, Labour, Variable Overhead, Fixed Overhead and Miscellaneous cost elements for valuation purpose and for internal costing

STANDARD MODULES



MTC ERM INFRASTRUCTURE





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Developed in collaboration with

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