



**If your Warehouse seems a difficult puzzle
We have the solution....**





I have a warehouse... Why should I invest in technology?

In the era of the new economy, it is crucial for any modern enterprise to have a productive and efficient storage and distribution system for its products. The dynamic role of the warehouse in the supply chain makes it one of the most important factors for the successful development and growth of an organisation. The application of the golden rules for an effective supply chain: the right product, in the right quantity, at the right place at the right time, at low cost are critical factors in creating a competitive advantage for the company that integrates them in its daily operations. Datatech's mDepo wireless Warehouse Management System, focuses on these objectives. It supports the control and administration of all warehouse processes. Datatech's mDepo wireless Warehouse Management System fills the gap for an innovative, flexible and user friendly solution, at an affordable price, able to meet the needs of any distribution centre.

Datatech's mDepo is the result of many year's work of analysts and programmers with extensive experience in the design of stores information systems. It adheres to international market standards, while supporting warehouse management operations in real time with the used of wireless (RF) technology

The application of the golden rules of effective supply chain management:

- the right product,
- at the right quantity,
- at the right place,
- at the right time and
- at low cost

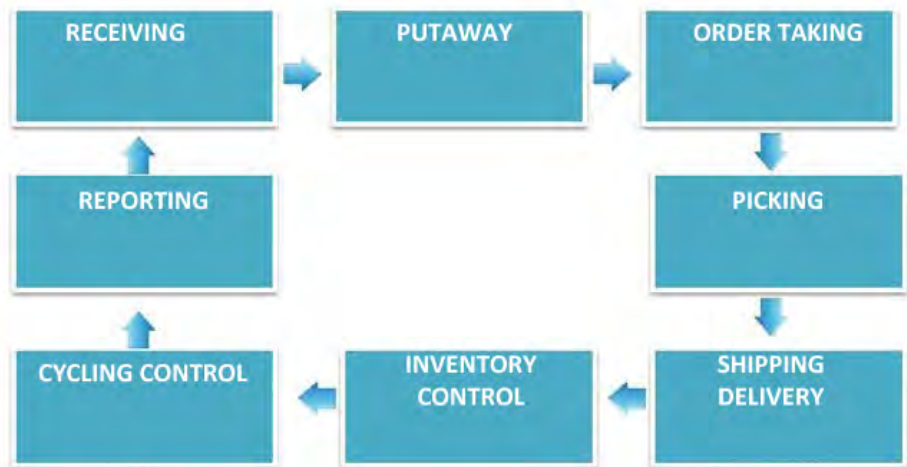
constitute the critical factors in creating a competitive advantage for the company that integrates them in its daily operations.



Integrated turnkey Logistics solutions



Integrated Solution from DataTech



The success of a project is ensured from the long experience of our staff and partners have in logistics projects. Our expertise in logistics extends to administration and follow up services, as well as project management in technical level.

Datatech's proposal offers:

•Design

Recording of the existing situation, Requirements analysis, with the use of predefined models for best practices, Solution design based on the warehouse characteristics.

•Design and installation of wireless infrastructure

The existing wired network is extended with wireless infrastructure (Wireless Switch, Access Points, Access Ports etc) as to provide complete wireless coverage to the entire warehouse area.

•Wireless Mobile Computers & Barcode Printers

Datatech partners with the world's leading manufacturers in mobile computers and bar code printers offering a complete portfolio (Mobile Computers, Industrial Scanners, Wearables, Barcode Printers, Access Points etc) capable of fulfilling any requirement. Selection of the right equipment ensures reliability, performance and ergonomics at affordable cost.



● **The mDepo WMS Wireless Warehouse Management System which includes:**

- a. **Depo Server Software**, which is the “heart” of the solution. It incorporates all the modules for the administration and control of the warehouse operations. It also offers the connectivity to the main information systems of the organisation (ERP and MRP).
- b. **The Depo RF Server software**, it manages all the modules that handle the RF mobile terminals. The RF mobile terminals are the front line of the everyday operation of the warehouse.

● **Training**

Training is tailored to the individual needs of each installation based on staff requirements. It includes training of the users and the administrators of the system, and training for handheld devices, printers etc.

● **On Going Support**

Datatech offers on going telephone and on-site support after the installation and implementation of the solutions. Datatech’s consultants are available for the day to day operation of the system as well as for hardware maintenance, repairs and updates.

● **Warehouse Evolution Support**

The complexity of various processes, budget restrictions and other factors may limit the implementation of all desired processes, functionality and controls during the initial implementation of the solution.

The structural design of mDepo gives the possibility of partial implementation of the solution, thus giving the opportunity to the organisation to benefit from new technologies and software development. Datatech continuously develops and integrates new technologies to the mDepo solution allowing for upgrades of the installed solutions.



Solution Functionality

Datatech's mDepo wireless solution offers the following functionality and information:

- **Receiving**
- **Put Away**
- **Picking**
- **Packing**
- **Shipping**
- **Inventory Control – Cycle Count**

Other functions of the mDepo include, quality control, return of goods, replenishment, picking positions, repacking, palletizing and mixed packing. mDepo also allows for easy parameterization of Complex and more demanding processes and requirements.

mDepo Benefits

...in Receiving

- 100% verification of the received codes
 - ✓ Up-to-date store position.
- Faster paperless faster receiving of goods.
 - ✓ Increased productivity, cost reduction,

...in Put Away

- Accurate stock location and quantity
 - ✓ Store status in real time
- Full advantage of storage area
 - ✓ Flexibility in store organisation

...in Picking

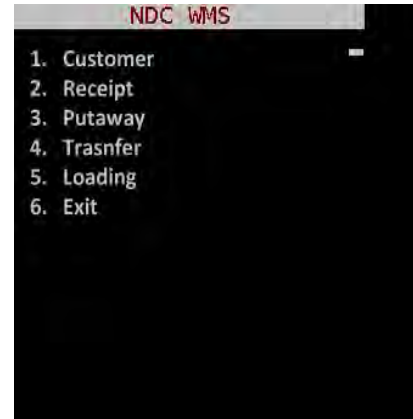
- Online order status and picking progress
- No need for manual processes and controls.
 - ✓ increased productivity
- The correct items are picked with the use of barcode and online controls.
 - ✓ Order processing errors are minimized
- FIFO, LIFO, FEFO methods are verified.
- Increased customer satisfaction

...in packing - shipping

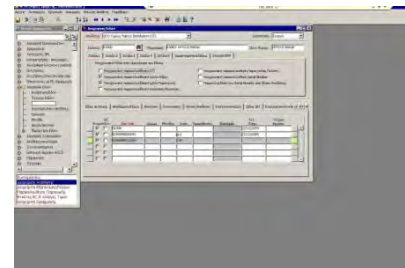
- Real time scanning of orders and quantities
- Minimize loading mistakes
- Complete log of all activities (what, when, where, who) and on line progress information.

...In inventory control

- Cycle count based on item type, category, location, warehouse area as well as custom parameters.
 - ✓ Up to date warehouse status
- Processes automation
 - ✓ Minimize stock take time
 - ✓ Minimize stock take cost
- Systemize stock take beyond the normal periodic ones.
- Automatic stock take processing and analysis



User friendly RF Screens and Custom Designed Menus for increased productivity.



User friendly, easy to operate menu for Administrators and PC Clients



Assistance to RF Users with On Screen Message Prompting



mDepo General Characteristics

- **Real time operation**
- **On line warehouse and processes status**
- **Open system architecture, highly parameterized, easily adaptable to present and future requirements**
- **Two way information exchange with other information systems**
- **Bar code utilizations in all processes**
- **Support for any type of storage unit (Containers, pallets, boxes, pieces, containers etc)**
- **LOT, SSCC and Serial Number support**
- **Stock processing by FIFO, LIFO, FEFO, expiry date , colour, size, weight, volume etc.**
- **3PL support**
- **Support for multiple distribution centres**
- **Stock freezing (e.g. expected orders, quality control etc)u**
- **Comprehensive stock take procedures, cycle count, count by location, count by product type and counts based on custom parameters.**
- **Activities Statistical analysis.**

mDepo reporting tools provide comprehensive analysis for handheld terminals activities (who, when, where), thus allowing for processes optimization.

- **Strong security and personalized work environment.**

The working environment, (screen layout and user rights) are dynamically configured according to the user profile. Only processes assigned to the specific user are displayed.

- **Dynamic application design for RF**

The RF applications are fully parameterized. The menu, fields, descriptions, controls etc can be designed by the administrator for each user through mDepo back office. Existing applications can be modified or even create new custom functionality.

- **Complete field level parameterization.**

In a process the behaviour of each field can be defined by the administrator, form a list of predefined values, controls etc.

Wireless Warehouse Management Advantages

Studies conducted among users of wireless warehouse management systems, in a wide spectrum of organizations, revealed the following advantages resulting from the use of such systems:

- | | |
|---------------------------------------|------------|
| • Fewer Errors | 80% |
| • Faster back office update | 65% |
| • Real time inventory management | 70% |
| • Increase in productivity | 45% |
| • Less paperwork | 40% |
| • Update in Real-time | 70% |
| • Immediate response and intervention | 40% |
| • Labour cost reduction | 25% |
| • Flexibility | 45% |
| • Improvement in customer service | 70% |