



National Technology

Clinical Information Systems

For Now and Tomorrow



LDM
Laboratory Data Manager

PCM
Point of care Manager

BBM
Blood Bank Manager

Middleware

National Technology

A story of true customer partnership

A story of true customer partners

National Technology is a leading provider of integrated laboratory and clinical information systems for healthcare industry in the Middle East.

We are committed to combining the most effective technologies, innovative designs and production methodologies to create user-friendly, robust and cost-effective solutions that would enhance productivity, competitiveness and fulfill the operational needs of our customers.

National Technology provides world-class laboratory Information Management System (LIMS), middleware software as well as blood bank software and Point of Care Testing Management System (POCT).

The idea of National Technology started in 1996 to fill the gap in healthcare information technology market in the Middle East.

- In 1997, National Technology was initially established with a goal to provide laboratory information Management system.
- By the end of 1997, the first simple LIMS developed by National Technology was installed in Egypt.
- In 1998, the first analyzer was interfaced to the LIMS.
- In 1999, National Technology took its current legal shape and started a true success story.

Now, National Technology is a leading LIMS market player with a customer base of more than 230 customers, including the biggest entities in the private and public health sector in Egypt, also operating in other countries in MENA region and Africa (KSA, UAE, Kuwait, Qatar, Iraq, Sudan and Nigeria).

Facts about National Technology

- Proven record over 15 years of experience in LIMS business.
- Over 230+ fully-satisfied customers.
- Customer-focused organization.
- Business problems, needs and expectations are well understood.
- Innovative solutions provider for now and the future.
- Distinctive project management and smooth systems implementation.
- Offering the highest effective training.
- Outstanding 24x7 customer support.
- Oracle and Microsoft partner.

Laboratory Data Manager LDM™

The perfect system for managing all your laboratory areas.

Overview

Laboratory Data Manager (LDM) is a fully-featured Laboratory Information Management System (LIMS) that covers all functional areas of multi-specialty laboratory. LDM provides better patient care, safety and process efficiency that reduce operating costs and increase profitability.



Laboratory Data Manager LDM™

The perfect system for managing all your laboratory areas.

What makes LDM the 1st choice for laboratory professionals?

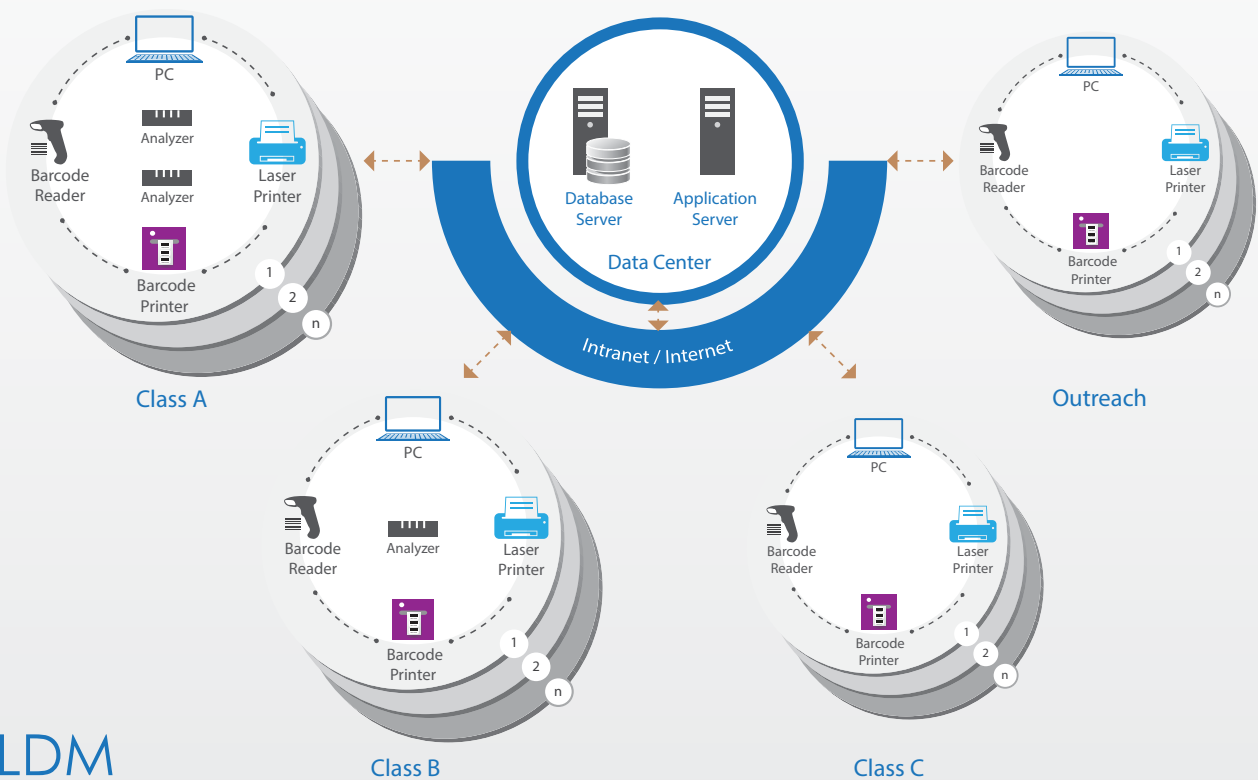


Ease of use

LDM core module is the engine that runs basic LIMS functions, like patient-data management, order entry, test necessity check, sample labeling, work-list distribution, result entry, review and release, workflow monitoring and management reports. LDM core module is exceptionally user friendly with very short steps to perform any function.

Reliability

LDM is built upon the most trusted name in database technology, Oracle. The Oracle database provides optimum data storage, security and performance. LDM is now installed in more than 700 sites in eight countries—serving more than 120,000 patients per day and continues to grow in the middle east because of its robustness and quality.



Laboratory Data Manager LDM™

The perfect system for managing all your laboratory areas.



Configurability

LDM is configurable to manage workflow through different laboratory areas—from order entry through distribution, scheduling, sample tracking, results release to final report production.



Flexibility

Depending on your business needs, infrastructure and budget LDM can be implemented in one of the following two architectures:

Web Based Version

Web LDM is a web-based solution having all standard LIMS features plus the amazing new web features:

- Working with all laboratory locations and branches, referring doctors, customers and payers in real time and on one network.
- Tracking samples in real time from any place over the Internet.
- Reviewing and releasing data from any place even on the go.

Desktop Version

Working on local area networks for customers having less network connectivity infrastructure between laboratory locations and branches.

LDM runs in each laboratory location or branch on a small server that synchronizes its orders, results and financials with the main server in near real time over secure ordinary Internet connections.



Connectivity

Automating data exchange between LIMS and automated laboratory analyzers, dramatically speeds up the analysis process and eliminates many potential sample programming and result typing errors. LDM interfaces with 2000+ analyzer of 230+ different clinical analyzer models, including core lab automation systems, pre-analytical instruments down to smaller analyzers.



24x7 Support

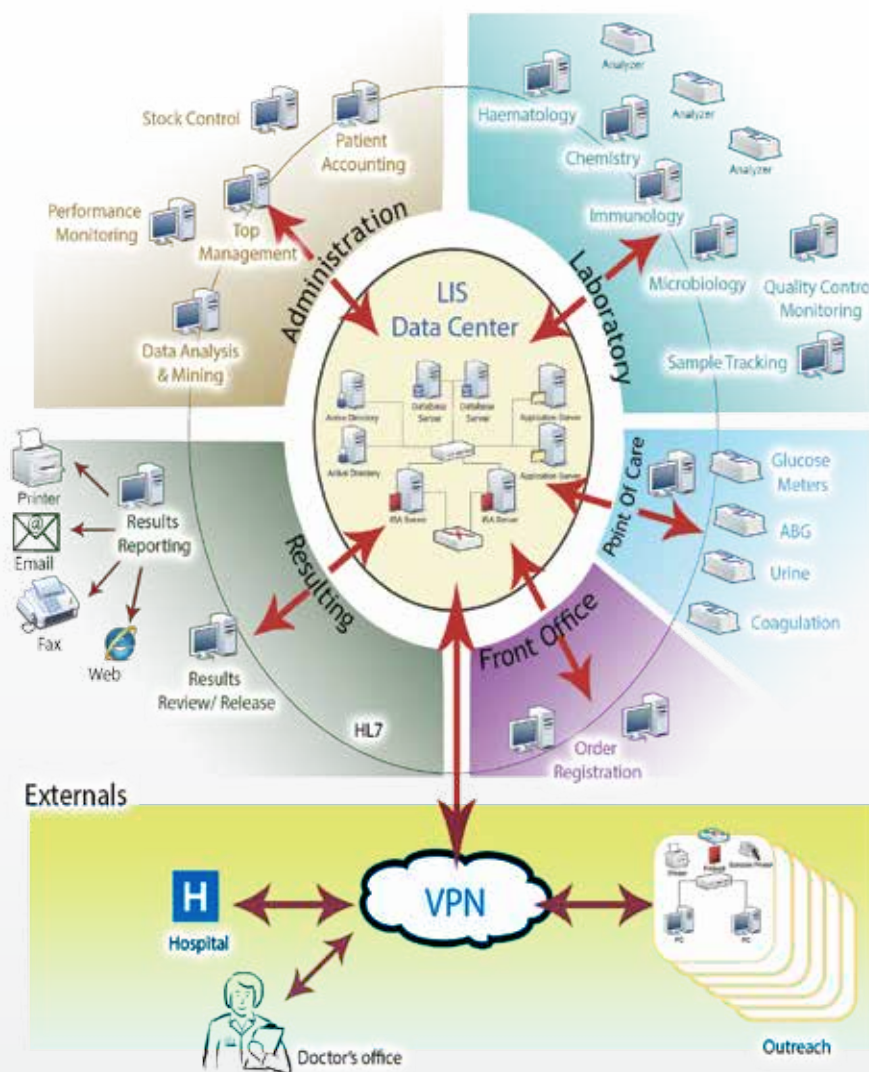
Our support team delivers predictable, reliable, responsive and timely service to our customers through a single point of contact for all service requests, common services and support processes. Our technical team is always available to answer questions and promptly resolve service requests. The National Technology service team includes experienced system and technology specialist providing expedient and reliable solutions to customer requests.

Laboratory Data Manager LDM™

The perfect system for managing all your laboratory areas.

Openness

LDM integrates with Hospital Information Systems (HIS), Electronic Medical Records (EMR) and financial systems using standard HL7 protocol and implementing ICD10, LOINIC and CPT 4 codes. Custom integrations are developed for systems not supporting the HL7 format.



Quality

National Technology is committed to applying solid software developmental methodologies and quality procedures along with the project management methodologies to ensure all implementation processes are done on time, our robust software proudly complies with both the structural and functional quality standards that we can assertively describe it as a world class system.

PCM™

Fast controlled testing process.

Fast Testing

Overview

POCT (Point of Care Testing) is the most significant growth area within diagnostics industry. It brings many tests conveniently and immediately to the current patient location.

PCM (Point of Care Manager) helps to organize, track and control this growing testing area. PCM system collects patient data, testing results, operators' data, reagents' lots data and devices status and ensures that all meet quality requirements.

Why PCM™ is the best choice?



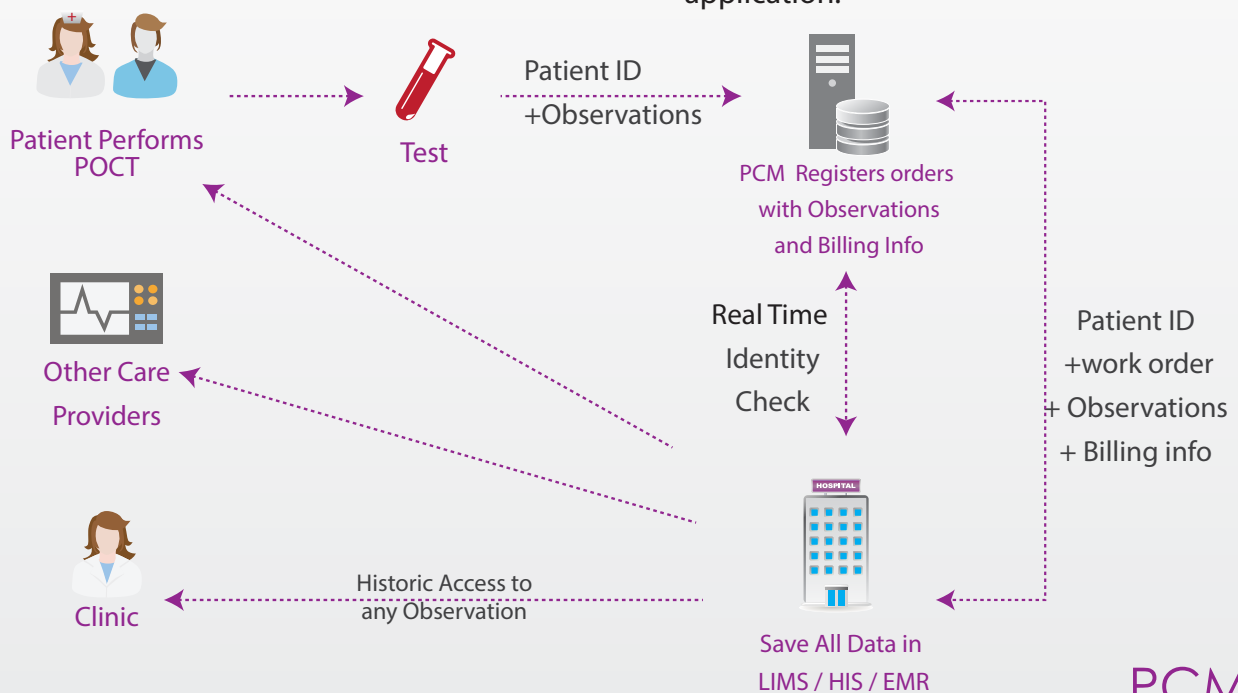
Control

- Monitors individual devices Quality Control and performance.
- Offers better patient safety.
- Ensures that all meet quality requirements.



Connectivity

- Offers bi-directional connectivity with LIMS/HIS.
- Manages hospital ADT's (admissions, discharges and transfers).
- Creates and manages test orders.
- Presents fast results delivery to doctors all over the hospital.
- Results storage in LIMS and patient EMR.
- Critical results delivery to mobile application.



Blood Bank Manager BBM™

In blood bank management, safety always comes first.

Safety First

Overview

BBM provides the blood bank staff with the power, control and functionality needed to safely and properly collect, process, store and deliver blood products. BBM helps supply the needed blood to the right recipient whenever and wherever requested.

What makes blood bank manager system a must have?

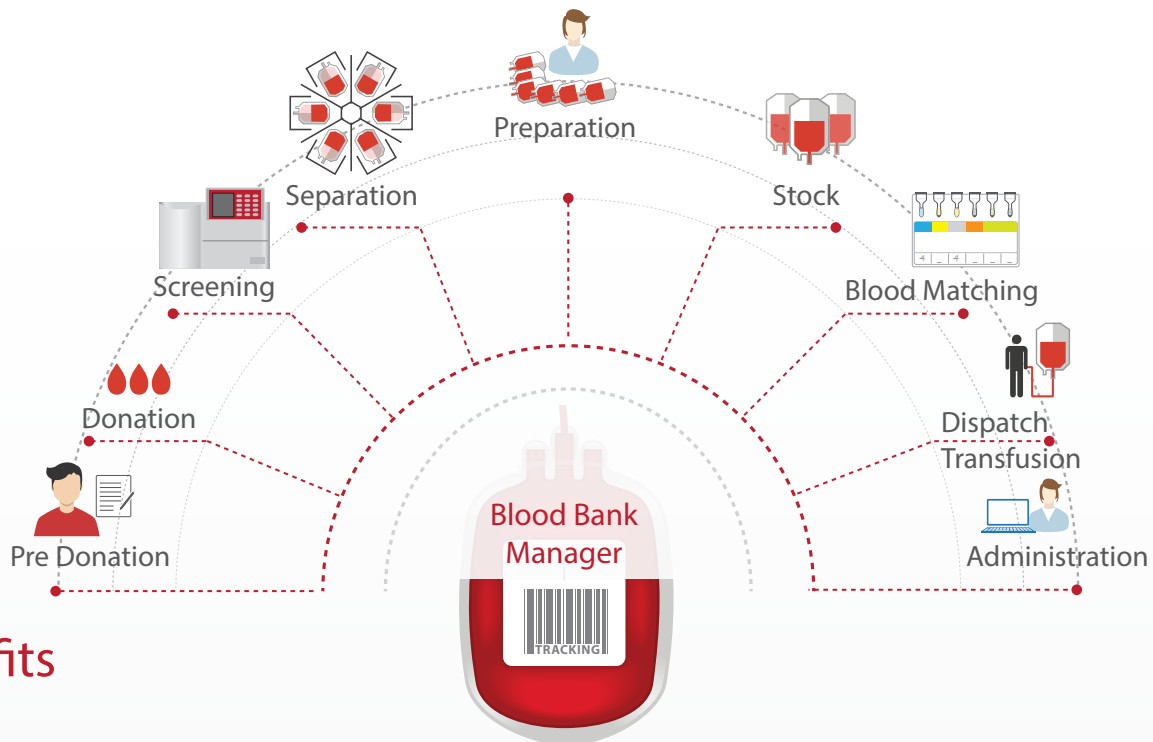
Features

- Collection campaigns scheduling.
- Donor recruitment (SMS text messaging, e-mails, etc...).
- Mobile sessions/laptops.
- Donor management.
- Donation management.
- Directed and autologous donation management.
- Component separation and preparation.
- Laboratory testing of donors, donated blood and components.
- Integration with automated screening, grouping and cross matching analyzers.
- Inventory management of products.
- Bed side verification of recipient ID and bag ID before transfusion.
- Transfusion adverse reaction recording and tracking.
- English/Arabic user selectable interface.



Blood Bank Manager BBM™

In blood bank management, safety always comes first.



Benefits



Safety

- Unique identification for each blood collection process.
- Barcode labels for blood bags and samples applied immediately at donation site.
- Direct interface with blood testing, grouping and cross matching analyzers to eliminate any potential errors.
- Automatic periodic check for expired blood products in stock.
- Barcode check of cross matched bags before dispatch to recipient.



Data handling automation

- Covers all blood bank areas in multiple locations.
- Utilizes barcode scanning in all-data entry and retrieval processes for fast, error-free transactions.
- Interface to hospital information system (HIS) to receive blood reservation orders.
- Direct Interface with blood testing, grouping and cross matching analyzers.
- Very few steps to perform any function



Data security

- Full transaction logging to save, computer name, user name, date and time of any performed function.
- Secure Oracle database.
- Multiple-user access security levels.
- Automatic periodic backup to secure recovery in case of hardware failures.
- Supports online replication with other servers.



Openess

- Supports simultaneous operation of multiple blood donation and distribution centers in hierarchical manner (rural, regional and national).
- Interfaces to hospital information systems (HIS) to receive blood transfusion orders.

Middleware™

Connect easily any two or more healthcare information management systems.

Connect easily

Overview

Middleware simultaneously interfaces LIMS, HIS and outreach applications to laboratory analyzers. Received results are automatically validated and routed to the connected HIS and LIMS or outreach applications. Middleware is an easy way to add advanced LIMS functions and technologies to old existing LIMS systems already installed.

What does middleware add to labs?



Openness

Supports various types of LIMS and HIS, outreach and auto-analyzers in different protocols and formats and connects multiple healthcare information management systems simultaneously.



Added value

Brings new features to existing healthcare information management systems (e.g., quality control monitoring, sample tracking and automatic verification).



Configurability

Supports all areas of diagnostic laboratory (i.e., chemistry, hematology, microbiology, molecular biology, immunology, etc...).



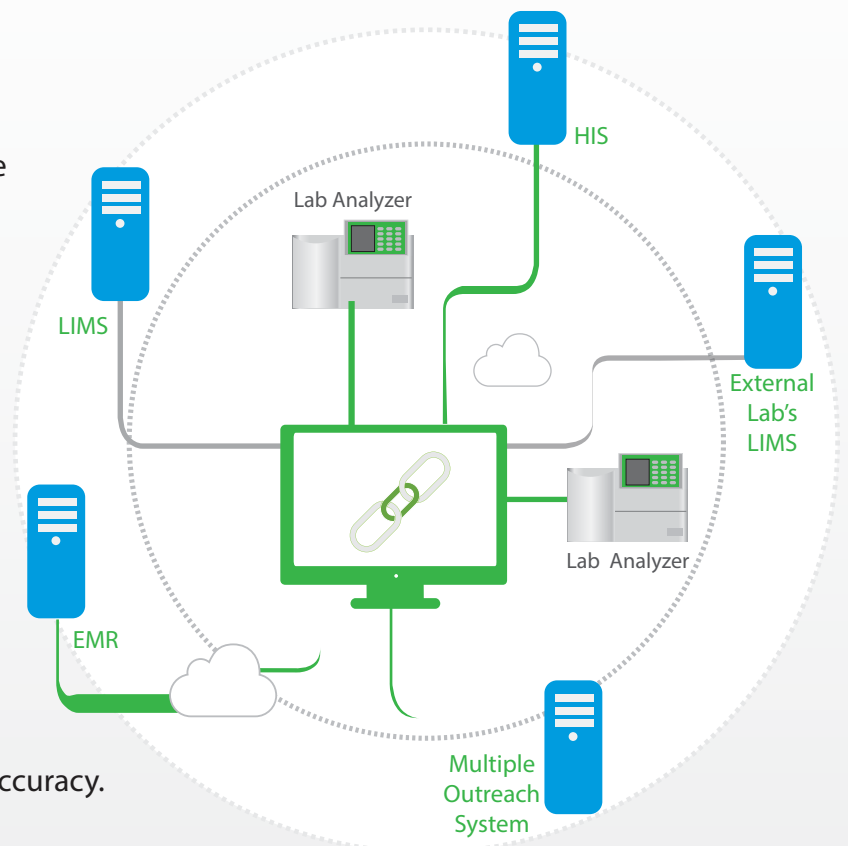
Reliability

Reliable, easy to use and provides better data manageability, faster data access retrieval, higher data quality and accuracy.



Performance

Provides a suite of powerful tools for organizing laboratory work, analyzing samples, reporting results and storing and tracking samples.



Middleware

About National Technology

Our vision

- To provide technological innovations for a healthier and safer society.
- To achieve medical software industry leadership—locally and internationally—and achieve continuous growth.
- To provide better job opportunities for distinctive professionals.

Our mission

National Technology is a supplier of integrated laboratory and clinical information systems for the healthcare industry. We are committed to combining the most effective technologies, innovative designs and production methodologies to create user-friendly, robust and cost-effective solutions that would enhance productivity, competitiveness and fulfill the operational needs of our clients.

Our values



National Technology supports more than 230 customers—serving more than 120,000 patients on a daily basis in more than 700 laboratories. To know more about our customers, please visit our website www.nt-me.com



www.nt-me.com

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