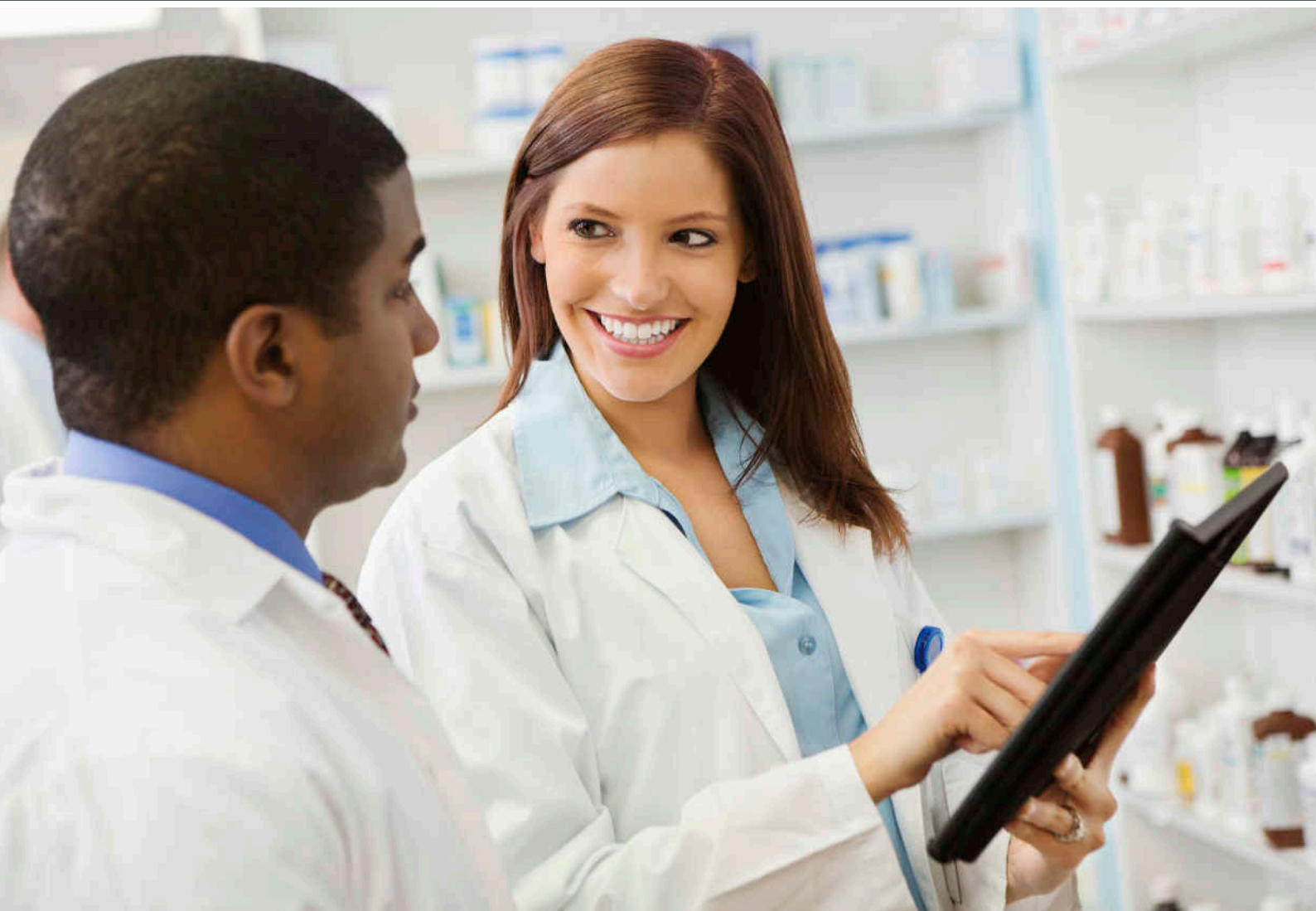# PantonHIS
## Hospital Information System

# AN EMR-DRIVEN-HIS

PantonHIS is a web based hospital information system purposefully designed and built to integrate seamlessly with our flagship product PantonEMR (Electronic Medical Records) because we strongly believe that the next generation HIS system is one that is EMR driven.

Built for optimum robustness and scalability, PantonHIS manages your integral back-end processes by giving your business office optimal control over administrative functions such as patient management, system users, and medical suppliers; as well as other integral functions that cover pharmacy, billing, stock & inventory requisition and management.

At the same time, all patient-facing interaction and clinical processes carried out by your medical professionals are captured and managed via our intuitive PantonEMR solution, and returned to PantonHIS in real-time for further processing and storage.

Our **EMR-Driven-HIS** aims to offer your hospital management and medical professionals a comprehensive hospital solution; along with providing your patients with a comprehensive hospital experience and your best patient care.

# CLOUD CONNECTIVITY

PantonHIS is built using the latest web technology and architecture to streamline your hospital operational efficiency by providing your business office the ability to perform real-time workflow operations. Dynamic patient health information gathering and dissemination can also provide up-to-date insights to assist in making well-informed decisions.

Designed and built as a unified HIS software that leverages a powerful repository, this web-based design seeks to maximize the utilization of your hospital resources. Information entered into the repository can be securely accessed by authorized users across multiple sites, locations and departments on a 24/7 basis, where there is internet connectivity. Utilizing this modern technology approach, your hospital can enjoy improved management controls to enable a faster, safer and more effective operational environment.

# BUSINESS INTELLIGENCE AND ANALYTICS

An EMR-Driven-HIS successfully bridges communication gaps between your hospital management and medical professionals. Patient and clinical information can be seamlessly transmitted in real-time, resulting in operational efficiency and cost savings. When integrating PantonHIS to any of your 3rd party software – such as your queue management system for example, our EMR-Driven-HIS is able to provide your hospital with an additional analytics dimension. Now, your patient who has been assigned a queue number and awaiting consultation or treatment can be advised of an approximate waiting duration until his turn.

At a strategic level, your management will also be able to view and measure your hospital's clinical, operational and financial Key Performance Indicators such as patient wait time, medication error or asset utilization rate, amongst others for continuous improvements.

# INTEGRATION INTERFACE

PantonHIS is built based on the latest web technology; and through powerful HL7 integration via a secure interface engine, previously fragmented data produced by your ancillaries is now efficiently gathered and channeled to the right people in respective departments, thus creating meaningful information for your hospital's operations.

# POWERFUL PARALLEL WORKFLOW ENGINE

All business processes that make PantonHIS robust, flexible and scalable is built leveraging our state-of-the-art Panton Workflow engine. Built with an intuitive drag-and-drop user interface, Panton Workflow is capable of modeling your hospital's unique business processes needs such as group assignments, parallel tasks and complex conditionals. The workflow engine is also built to be an active workflow, whereby your business rules and parameters can be reusable and easily configurable according to your continual changing needs.

# KEY MODULES

## Administration

Manages your administrative processes by leveraging a robust security matrix framework to ensure optimal access control for your user groups.

- Function Access
- Screen Access

## Collection & Refund

A 3-stage Cashier Management process enables your cashiers to operate from multiple cashier counters while maintaining tight reconciliation functions at the end of each day via a supervisor reporting function.

- 3-stage Cashier Management – Total sales, Total discrepancy, Final discrepancy
- Supervisor report
- Payment
- Refund advise
- Deposit collection
- Cashier Location and Terminal locked

## Barcode Labeling

Online and on-demand barcode generation and printing for your patients, medication labels and stock (inventory).

## Front Office

Provides your hospital with efficient patient registration and patient management by leveraging tight integration with your 3rd party Queue Management System.

- Appointment
- Bed enquiry (Ward allocation)
- Registration
- 3-Step discharge – EMR, Billing, HIS
- Discharge summary
- Doctor time management

## Stores

Internally controls the items purchasing, storage and movement of medical supplies and sundry items needed for your hospital.

Manages your drug listing, inventory and requisition, as well as provides up-to-date information of your pharmaceutical vendors. Efficiently manages stock requests and transfers, as well as quantity of order, amongst others.

This module also actively monitors your reorder levels and notifies relevant parties of inventories that are running low.

- Online requisition
- Purchase order
- Workflow approval
- Department stock list
- GSR (Goods Service Receive)
- Manual receive
- GSRR (Goods Service Receive Return)
- Manual return
- Inventory management
- Reorder level

## Order Entry and Billing

Automatically keeps track of your patients' order entry of drugs and laboratory tests raised by your medical professionals, to ensure accurate patient billing. This automated billing process enables real-time access to managing payments and provide your patients with more efficient hospital experience.

This module also provides you with functions for pro-forma billing activities and a streamlined process to handle debit and credit notes to enable efficient refund processes.

- Billing (Summary & Detailed)
- Issue return
- Credit and Debit note
- Pro-forma bill
- Outpatient enquiry
- Inpatient enquiry

## Pharmacy

Seamlessly integrates with PantonEMR so that prescription orders raised by doctors are instantaneously communicated to your pharmacy department – Preparations for prescription packing and dispensing can be carried out immediately.

At the same time, your pharmacist is always updated with the latest payment status of each patient. This advantageous communication eventuates in reduced patient waiting time for billing purposes.

- Online requisition
- Purchase order
- Workflow approval
- Outpatient prescription queue
- Outpatient stat queue
- Inpatient TTA queue
- Inpatient stat queue
- Prescription verification
- Medication chart verification
- Drug store inventory management
- Payment status enquiry
- Prescription preparation and dispensing

## Reports

A template-based reporting structure that enables real-time gathering and reporting of information about your hospital's clinical, operational and financial performance.

- Cash Management reports
- Front Office reports
- Order Entry and Billing reports
- Stock reports
- Pharmacy reports

## Finance Information System Integration

An integration interface for seamless integration with major financial management software such as Microsoft Great Plains and SAP.

# OUR HISTORY IN HEALTHCARE

HT Consulting's extensive healthcare experience started in 1992 when its team of highly skilled developers was engaged by a software company in Singapore to design and develop a Hospital Information System (HIS) for the Asian market. The project was funded by the Singapore government with a $2,000,000 software development grant. The final product was later commercialized and used by more than 100 hospitals throughout the Asian region.

Panton HIS is developed based on the knowledge and experience acquired from our vast experience working and implementing healthcare management systems for hospitals worldwide.

HT Consulting is an indigenous ICT Consulting and Outsourcing Services company founded by its visionary leader Harres Tan in 1989. The company is part of the HT Group of companies – Panton eHealth, which focuses on healthcare software Research & Development, and Rototype International, an innovative self-service banking solutions provider.

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## Contact Us

**Kuala Lumpur**
5th floor, Kelana Parkview Tower
Jalan SS 6/2, Kelana Jaya
47301 Petaling Jaya.

**Northern Region**
37B, Lintang Angsana
Bandar Baru Ayer Itam
11500 Penang.

www.htasia.com



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