Accurate data capture delivering business and clinical benefits

Delivering Healthcare Information
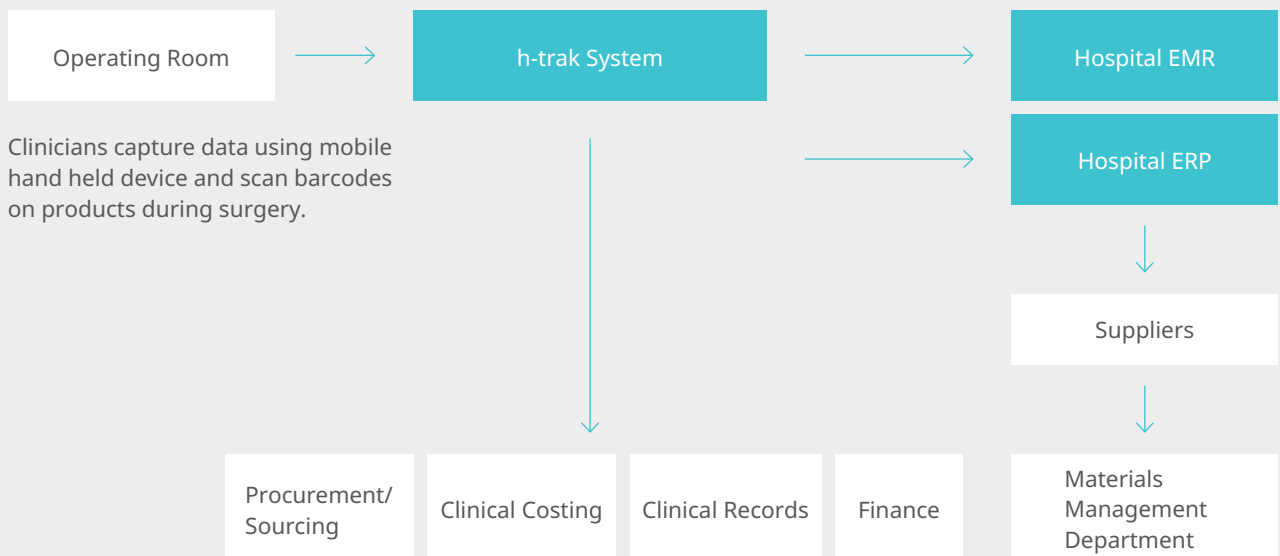
Improving Healthcare Outcome

Key Benefits

h·trak

- Facilitates patient level procedure costing
- Improved supply chain efficiency
- Improved data collection accuracy
- Improved and automated purchasing
- Improved patient safety through 'track & trace' functionality
- Business process automation
- Improved business intelligence
- Global manufacturers' product database
- Reductions in administration, more time spent on clinical tasks
- Address clinical variation, identify best practice

h-trak process

Operating Room → h-trak System → Hospital EMR

→ Hospital ERP

Clinicians capture data using mobile hand held device and scan barcodes on products during surgery.

Procurement/ Sourcing | Clinical Costing | Clinical Records | Finance

Suppliers

Materials Management Department

Modules of the h-trak system

h·trak

- Scanning to capture and document healthcare data
- Automation of purchasing and stock management
- Billing accuracy and efficiency
- Management reports

s·trak

- Digital stocktaking for your optimal start with the h-trak system
- Scanning of items in inventory
- More efficient and accurate

h·control

- Business Intelligence (BI)
- Software tool delivering data analysis, diagrams and activity overviews
- Optimised clinical reporting
- Facilitates cost saving projects

Advantages of the h-trak system

✓ *Productivity improvements through automation*

✓ *Digital capture of all surgical data, e.g. implants used, time per procedure etc. for optimised traceability and performance reporting*

✓ *Patient safety through more accurate information and digitised traceability*

Automated information
for Healthcare environments

h-trak is a mobile point of use data capture solution for acute healthcare environments. It has proven effective in Operating Theatres, Cardiology Cath Labs, Interventional Radiology Labs and Endoscopy /Day Surgery Theatres. Using the latest handheld mobile scanning technology, h-trak decodes industry standard barcodes to accurately identify devices. When combined with other data sources h-trak provides an accurate record of all components of a procedure and its associated costs.

Architecture

The h-trak™ solution is based on the SaaS (Software as a Service) model where all data is held on a central server protected with the highest levels of encryption and access controls, and accessed via a web browser. No application software is installed on a customer's PC meaning that the solution can be set up easily and data can be accessed where, and whenever, it is needed.

Product Master Data

One of the key advantages of the SaaS approach is the ability to provide and maintain high quality manufacturers' product master data at a single point, the h-trak web server. h-trak customers will no longer need to store and manage master data at a hospital level. Combine this data with our mobile scanning and decoding capability and the need for relabelling devices is eliminated.

Data integration for core IT Systems

Once data is captured at the point of use, it can be uploaded in a variety of formats, including HL7, into a hospital's existing core IT infrastructure. Additionally h-trak can receive important information from core IT systems to enrich the data. Typically the IT systems working with h-trak include:

• ERP Finance and Inventory Management systems
• Patient billing and costing systems
• Electronic Medical/Patient Record (EMR/EPR)
• Theatre Management Systems
• Central data repositories

h-trak features

Finance & Business

- Accurate data collection
  Elimination of manual data processes

- Patient Level Costing in real time

- Effective Materials Management

- Data Normalisation

- Accurate patient billing (20% – 300% improvement in revenue from billing)

- Integration with core hospital IT systems

- Powerful activity and procedural analysis

- Reporting dashboard provides powerful reports

Supply & Inventory

- Management of hospital, consignment and loan stock
  Accurate consumption data inputs to stock and ordering systems
  Automated replenishment process
  Integration with ERP systems

- Stocktake and inventory visibility
  Removal of obsolete stock

- Elimination of need to relabel devices

Clinical

- Integration into existing theatre environments

- Theatre management efficiency
  Substantial reduction in paperwork and duplication of data collection
  Clinical administration time reduction

- 'Track and trace' functionality for faster product recall
  Average time to generate a recall report is less than 30 seconds
  Automatic detection of expired devices on scanning

- Powerful activity and procedural analysis