



MEDITECH – MEDICAL INFORMATION TECHNOLOGY, INC.

Data Collection System for Healthcare Services Provider provides Efficiencies in Inventory Control and Cost Accounting

With a client base of more than 1,700 healthcare organizations throughout the world, located primarily in the United States, Canada and the United Kingdom, Medical Information Technology, Inc. (MEDITECH) is a software and services company serving the health care community. Based in Westwood, Massachusetts, it offers a series of clinical, financial and administrative applications for use in the acute care, post-acute care, and ambulatory care settings. In business since 1969, the company employs over 2,000 people and had revenues of \$256 million (US) in 2002.

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The Challenge

Customers of MEDITECH continuously concern themselves with achieving the proper balance between enhancing service and quality while improving the financial bottom line. However, many healthcare organizations manage their supplies using pen and paper-based systems, which are costly, labour-intensive, and error-prone. Therefore, MEDITECH wanted to develop a solution for its customers that would replace the pen and paper-based method with a more effective and efficient barcode-based inventory control system.

The Solution

A solution was developed around AMT-Systems’ Materials Management (MatMan) software and Psion Teklogix’ lightweight integrated barcode-scanning computers. MEDITECH now offers its customers MatMan software for inventory control in central stores and nurses’ station carts and Psion Teklogix barcode scanners for data collection.

Data is collected on the Psion Teklogix devices and uploaded via a terminal or PC. MEDITECH currently has more than 600 handheld computers installed at its clients’ places of business. “Because the system is so tried and true, it continues to see upward growth,” said Todd Stewart, V.P. Business Development, AMTSystems, Inc.

The Benefits

The combination of the Psion Teklogix handheld computers with AMTSystems’ MatMan software has significantly improved inventory control in central stores and nurses’ station carts for MEDITECH’s customers. Barcoding products have enabled the automation of inputting and collecting transaction data, and as a result, the elimination of handwritten documents and subsequent manual keystrokes has created productivity gains as well as a near 100% accuracy level.

The automated inventory control system provides efficiencies in inventory control and cost accounting. The new system

enables users to effectively monitor inventory levels and replenish stock easily, promptly and accurately by inputting barcodes available on products and shelf locations. All purchasing, supply utilization, and pricing information is tracked efficiently in the inventory control to reduce costs, and risk management is enhanced through the ability to share data between integrated systems.

MEDITECH has also benefited from having superior customer satisfaction. Its healthcare customers experience a broad range of benefits using barcode technology including improved quality of patient care, increased accuracy in gathering data, enhanced staff productivity and morale, and eliminated health issues, such as carpal tunnel syndrome, from the automation of tedious manual repetitive tasks.





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