**CASE STUDY**

**PHARMACY AUTOMATION SOLUTION FOR A HEALTHCARE TECHNOLOGY VENDOR**

**THE CLIENT**

The customer is a leading healthcare informatics solutions provider for more than 900+ hospitals in the US serving 15,000 patients every day.

**BUSINESS NEED**

The customer envisaged to build a robust pharmacy management solution to:
- Improve the operational efficiency of the staff
- Reduce manual errors in drug dispensing
- Improve the overall clinical care delivered to patients

**TECHNOLOGY USED**

- Tools/Technology: C#.NET, JAVA/J2EE, MS SQL Server, SSRS and SSIS
- Test Management: Proprietary test bed and Teamtrack
- Issue Tracking: Mantis

**BUSINESS BENEFITS**

- Seamless integration with Hospital ERP
- Accurate and reliable medication dispensing using RFID tracking
- Completely paperless with optimum and efficient usage of clinical staff
- Integration with standard drug dispensing pharmacy machines

**SOLUTION DELIVERED**

The pharmacy automation solution supports full formulary management, proper drug monitoring, seamless integration with materials/inventory management system for efficient operations and quick handling of medication recalls.

The salient features of the automation system include:
- Outpatient prescriptions and billing
- Conformance to JCAHO standards
- Documentation for pharmacy interventions
- Integration with standard drug dispensing machines: Accudose, Omnicell and Pyxis
- Integrated third party drug knowledge database
- Customizable, configurable label types based on pharmacy needs
- Integration with Order management and Billing systems
- Easy interface to add items based on NDC, Brand/Generic names pulled directly from Medi-span database
- Comprehensive reports on all pharmacy activities

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