

## **.Net Solution for Inventory Management System**

### **Background**

The company, headquartered in Grand Rapids, Michigan, is a market leader in storage and inventory solutions designed for the healthcare industry and is specialized in providing supply/procedure carts, cabinets and casework, small carts, open storage, heavy-duty storage, and inventory management systems to medical facilities around the world. Supply management at the departmental level within the hospital has been the focus of the company since inception.

### **Business Situation and Challenges**

The hospital inventory management tool created by the company supported only a single language UI. The tool was starting to become obsolete with a need for new features and technology upgrade.

There was also a lack of data synchronization options with other applications and tools running within the company. The users had a requirement for lots of new features, so there was need for superior expertise in the technologies involved to make the changes.

### **WinWire Solution**

WinWire architected a .NET based application which was built on the new technologies offered by Microsoft. The application also provided support for multiple languages.

The application provided features like

- Bulk Item Import/Export and Item Sync: Provides functionality to import data from other applications in the form of excel/xml file.
- Interfaces: Provides interfaces to integrate with other applications with customizable settings. New interfaces can be created by simply adding a record in SQL Server as the UI is completely XML driven.

- Performance Improvement: The new version of application is much faster and responsive due minimum use of ViewState, and new indexed views and full text search in SQL server.
- Globalization: Almost each and every page in the application is now localized so as to work with multiple languages and supports all time zones to display data with respect to the selected department which helps it in marketing the product outside of US.



### **Benefits**

- Space TRAX reduced IT and Administrative costs.
- The solution was in alignment with business needs.
- Fast Track Implementation
- The application enabled global expansion of business with multi-lingual support.
- Increased efficiency with bulk import/ export feature from external sources.
- Increased flexibility – allowing tool to sync up with other applications.
- Improved performance as the tool is faster and more responsive.
- Increased productivity due to localized settings based on selected time zones and department