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## ***Creation of a Wireless Inventory Tracking Device.***

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### ***Situation***

Our client had developed a sophisticated order and inventory management system. The solution, based on this system, is hosted and offered as a service for small to medium-sized businesses. The service manages and tracks inventory, orders, and acquisitions. The system was built using Microsoft-based technologies and is hosted in a data center offering 24 by 7 availability.

One of our client's key prospects required a real-time operator device to manage inventory and orders over a wireless network from their manufacturing and distribution centers. The key challenge was extending the existing hosted application wirelessly via an operator device, thus minimizing the requirement to access the system from a PC and browser. A wireless device based solution fits more naturally within the distribution centers' workflow and working environment.

Their key prospect required the wireless device functionality in order to license the hosted solution. Without this capability, our client would have not gained a new customer.

### ***Solution***

Enable Consulting, LLC. was engaged to architect and development the wireless tracking infrastructure. Enable utilized its SCOPE™ planning model to quickly gather customer requirements and develop the architecture and plan. The SCOPE™ planning model blends facilitation techniques with idea-mapping or outlining software to produce a result that involves the project team from the start. The result of the planning model was a detailed architecture, prioritized work slate and plan used to complete the system.

To accomplish this, Enable employed a Symbol Wireless Scanning device along with the Microsoft Windows Pocket PC Operating System and the .Net Compact Framework. A set of web services were developed and accessed across a wireless network to distribute the application services over the Internet directly to the Symbol device. The device interacts with the hosted environment allowing operators to input real-time updates directly to the order management system.

### ***Benefits***

- Information is now real-time via a wireless operator device
- Workflow of the distribution center has been enhanced
- Inventory and orders can be tracked directly from the system
- No changes to the existing hosted application was required

### ***For More Information***

Contact the Enable Consulting, LLC. at 215.540.9655,  
e-mail [info@enableconsulting.com](mailto:info@enableconsulting.com) or visit our website [www.enableconsulting.com](http://www.enableconsulting.com)

## **Solution Overview**

### **Customer Profile**

A hosted order and inventory management service based in suburban Philadelphia.

### **Business Situation**

Creation of a wireless inventory tracking device.

### **Solution**

A wireless application was developed to interface to the existing system.

### **Benefits**

- Information access
- Enhanced workflow
- Real-time updates

### **Software and Services**

- Microsoft Windows Pocket PC Operating System
- Microsoft .Net Compact Framework
- Microsoft SQL Server
- Symbol Wireless Scanning Device

### **Key Activities**

- Application development based on Web Services technology
- Enterprise level integration of front and backend systems
- Business process and workflow optimization