



Software Performance Systems, Inc.

THE VIEW FROM SPS

Field Data Collection

Improved Support for Field Staff

SPS mobile systems help government agencies achieve a high rate of return on IT investments through reuse of existing Government-Off-The-Shelf (GOTS) solutions, available to government agencies at no cost.

Our mobile solutions are based on our proven technical approach of *Reuse and Extension* – reuse of available software components and extension of existing functionality to mobile devices. These principles enable cost-effective, efficient, and low-risk mobile solutions, while reducing long-term maintenance costs and lowering overall cost-of-ownership.

SPS mobile applications use readily customizable automated questionnaires and checklists to guide users through a structured data collection process and organize collected information. The applications ensure that collected data is complete and correct, enabling seamless and error-free synchronization with back-end systems.

Featured Solutions

SPS-developed GOTS/COTS Solutions

Texas Commission on Environmental Quality (TCEQ) - SPS is implementing the Investigation Information Collection System (IICS), a mobile field-data collection application for environmental field inspectors. IICS consists of configurable checklists that can be modified without programmatic changes. IICS will be

deployed statewide to 16 regional offices and will be used by about 600 investigators. The checklist complexity and scale of deployment is comparable to or greater than what most agencies will need from their field data collection applications.

IICS synchronizes data with the Consolidated Compliance and Enforcement Data System (CCEDS). It enforces CCEDS business rules by reusing CCEDS services and extends CCEDS functionality to mobile devices. This approach ensures CCEDS database integrity and avoids duplicate implementation of business rules.

Commercial Offerings

SPS applies reuse and extension principles to its commercial products. The SPS EntréeAccess product is a comprehensive Food and Beverage, Point-of-Sale (POS) system developed to facilitate "how work gets done" in fine dining, casual dining, and quick service restaurants. EntréeAccess includes a Windows CE application written for wireless handheld POS devices. It is a fully integrated Internet-based system designed to enhance productivity, reduce operating costs, and increase management's effectiveness.

Mobile products for SPS Golf Management Solutions consist of an inventory tracking system and a wireless starter tee sheet. The inventory tracking system uses a handheld barcode scanner to scan items, enter the quantity, and automatically update inventory records, which is integrated with the POS station and back-end accounting system.

Technical Architecture

SPS's use of Component Based architecture allows us to maximize the use of current mobile technology to achieve solid business

KEY SPS DIFFERENTIATORS

- SPS offers a proven mobile GOTS system and architectural framework to jumpstart your mobile application efforts, resulting in cost and time-savings along with reduced risks.
- SPS can extend the functionality of your enterprise IT systems to mobile devices.
- Our component-based architecture and business components provide for rapid deployment, low total cost of ownership, and the flexibility to accommodate changes easily.
- Our readily configurable checklists allow for automated questionnaires that will guide the user through the data collection process and structure the information collected.
- SPS experience includes developing mobile solutions for secure wireless environments with the ability to transmit and synchronize large volumes of data in real-time.



benefits, while remaining flexible enough to accommodate different mobile devices in the future, expansion of services, and expansion to web or portal systems. A great strength of our mobile architecture is that web services are unaffected by the underlying platform. Web service protocols handle all interaction between client and server. A PocketPC or any other system may use a web service without any knowledge or concern for the platform on which they are deployed. This holds for both the .NET and Java-based technologies.

Client Benefits

- Improved data quality and information flow from automating the paper-based field processes.
- Improved performance, productivity, and efficiency leading to enhanced service with reduced workload, paper, and people.
- Seamless integration with back-end enterprise IT systems.
- Instant access to remote business information.

Services Offered

- Business Case Evaluation
- Business Process Reengineering
- Mobile Hardware/Wireless Infrastructure Evaluation and Selection Support
- Prototyping the Mobile Solution to demonstrate technical feasibility
- Mobile Systems Development and Legacy/Enterprise Systems Integration
- Deployment, Training, and Support



FEATURED SOLUTIONS

TCEQ:

- **Project:** Investigation Information Collection System (IICS)
- **Work Type:** Mobile field data collection system

SPS Golf Management Solutions:

- **Products:** Mobile Inventory Tracking, Wireless Starter Tee Sheets

SPS EntréeAccess:

- **Product:** Mobile Restaurant Point-of-Sale System

ENABLING TECHNOLOGIES

- Microsoft PocketPC Platform and SQL Server CE
- Microsoft .NET Compact Framework, C# (Microsoft Foundation Classes)
- HTML/XHTML/XML/XSL
- Web services
- Wireless Communication (using 802.11b Wireless Access Point)

ABOUT SPS

Software Performance Systems, Inc. (SPS), a small business based in Northern Virginia, is a privately held information technology services provider. Established in 1995, SPS specializes in the design and integration of large web-based solutions for Federal, State, and Local Governments and commercial clients worldwide. SPS has been honored with many national awards, including: #10 ranking in the Computerworld Top 100 Best Places to Work in IT, Deloitte's Virginia Technology Fast 50 and North America Technology Fast 500, and as a SBA Exporter of the Year. More importantly, SPS solutions helped our clients win prestigious awards, including the Grace Hopper Federal Government Technology Leadership Award, the E-Gov Pioneer Award, the Excellence.gov Grand Prize Award, and the Government IT Agency Award for Excellence in Government. **SPS...proven over time.**

CONTACT INFORMATION



Software Performance Systems, Inc.

Mike Dorsett

Vice President
Financial Solutions
MDorsett@goSPS.com
(301) 518-5711

www.goSPS.com

Software Performance Systems, Inc.
11318 Shannon Court
La Plata, MD 20646
1-866-734-6777