



PRACTICE

Environmental

Overview

States and the Environmental Protection Agency (EPA) recognize a need to improve how sites of environmental interest are identified and information is recorded. New environmental management strategies, such as place-based and multi-media management, must evolve to meet new decision-making and planning demands.

Information systems must enable agencies to uniquely identify sites of interest and relate those to environmental resources and concerns. It is no longer adequate to perceive an environmental Facility Site only through a program-specific lens.

Agency interest in improved customer service necessitates a comprehensive view of a Facility Site to improve and streamline interactions between the two. Integrated Facility Site information is a foundation for a range of new capabilities, such as consolidated or integrated reporting, targeted outreach, targeted enforcement, and geographically based environmental management approaches.

However, information technology for most environmental agencies still consists of numerous stovepipe systems and disparate database systems. These standalone systems support only the needs of a specific regulation, business activity, or environmental media. Agency ability to share information across different business functions or environmental media is limited by operation of numerous separate databases. In addition,

operating numerous databases has resulted in inefficient business processes and the need for duplicate data entry, which is also leading to redundant data stores, systems inefficiency, increased opportunity for error, and costly and difficult maintenance of these legacy systems.

Making IT Work. Together.

SPS will assess your requirements, compare them with a proven enterprise environmental system built for the Texas Commission on Environmental Quality (TCEQ), and identify resources, time, and cost-estimates to configure or extend the TCEQ solution if necessary. The TCEQ solution is available at no cost. Our assessment and estimates will be based upon close collaboration with your staff and our expertise gained building the Texas-wide environmental system.

How SPS Works for You

SPS will work for you by accomplishing a major technology transfer from a proven system to your technical and functional environment. The SPS-provided GOTS solution consists of three main systems:

- (1) Central Registry, a FITS II compliant Facility Registration system
- (2) CCEDS, the Consolidated Compliance and Enforcement system
- (3) Title V, a Permitting information system.

Using formal Component Based Development (CBD) design standards and protocols, SPS implemented twenty-two software components, providing services supporting environmental management. SPS designed the application architecture to accommodate change and new functionality – each



CLIENT BENEFITS

- Substantial and immediate cost and time savings through GOTS reuse
- Low initial investment to reach operational status, based on a proven GOTS foundation and software designed to be extended
- Minimal risk resulting from rigorous quality-assurance processes and operational experience
- Flexibility to accommodate change, resulting from component-based architecture and configurable business components
- Complete ownership of all software
- Potential future savings through intra-state technology sharing.

component can be readily customized to precisely fit your requirements. The system employs a 3-tier system architecture. Together, the CBD approach and system architectures facilitate adding your specific functions and implementing the system into your technical environment with minimal, if any, impact on underlying data and application structures. Consequently, your resources are dedicated to your functional requirements – they are not needed to rework the architecture or modify your environment.

In a matter of weeks, SPS will transfer and install the necessary component(s) of the GOTS, to include:

- Facility Registration
- Facility Administration
- Incident Management
- Investigation / Inspections
- Violations
- Enforcement
- Licensing/Training
- Title V Permitting
- Documentation
- Out-of-the-box Reports

SPS will in parallel perform a functionality gap assessment to capture your Agency's specific requirements and determine the

improvements that are necessary, along with a legacy systems migration analysis. The results of this assessment will be used to tailor the GOTS and migrate existing data to the new system. SPS can also provide user training and maintenance for the system along with facilitating updates and functionality transfers to/from other Agencies.

“EPA, along with our federal, state, tribal partners and stakeholders, views information as a strategic resource – one that is vital to protecting the health and environment of people and communities. We are committed to expanding E-Government now and in the years to come as EPA strives to enhance the way that we collect, manage, disseminate, and use our information resources.”

—Kimberly Nelson, Assistant Administrator and Chief Information Officer

FEATURED SOLUTIONS

Texas Commission on Environmental Quality (TCEQ):

- **Project:** Consolidated Compliance and Enforcement Data System (CCEDS)
- **Work Type:** Track, monitor, report, and respond to regulated facility related multi-media compliance and enforcement data.

The View From SPS:

- **Article:** Field Data Collection
Maximize use of current mobile technology to achieve solid business benefit.

ABOUT SPS

Software Performance Systems, Inc. (SPS), a small business based in Northern Virginia, is a privately held full-service information technology services provider. Established in 1995, SPS specializes in the design and integration of sophisticated web-based enterprise solutions for both the US Government and worldwide commercial clients. SPS has been honored with many national awards, to name a few: #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, Excellence.gov Grand Prize Winner, E-Gov Pioneer Award, and SBA — Exporter of the Year. **SPS...proven over time.**

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