

SPATIAL DATA SYSTEMS

The Information Integration Solutions Company

MISSION

Spatial Data Systems develops customer-focused solutions for all your information integration and analysis needs. We provide services to enable intelligent access to a variety of distributed databases and web sources, and on-the-fly integration of semantically and structurally different data into composite reports and maps. In addition, we develop products for interactive online mapping, spatial information integration and analysis. Collectively, these products and services will cover a wide range of information and knowledge management needs in most demanding today's projects.

CAPABILITIES

Led by a group of researchers with proven track record in highly-visible information integration projects in the academia, as well as in various consulting projects, the company has the following expertise:

- Geographic information systems (all stages of design, including programming for ArcGIS, ArcView, MapInfo, and AutoDesk Map Information products, and system integration.) Our particular strength is development of custom online GIS applications which are highly interactive and capable of integrating spatial data from multiple online sources.
- Data management solutions developed on top of one or more commercial database vendors (MS SQL Server, Oracle, DB2, PostgreSQL), as well as ESRI's ArcSDE.
- Data management for HTML and XML documents over the Internet and local documents such as flat data files, Microsoft Office products and emails.
- In-depth system development expertise with AutoCAD products for civil engineering, GIS and related applications.
- Design, development and deployment of n-tier Information integration solutions over multiple distributed data sources, using WSDL/SOAP web services
- Survey data analysis, in particular with SAS, SPSS, and Determinacy Analysis and Logic software (DALSolution) - as applied to social science research, market research and health sciences.
- Development of specialized client software, such as mobile phones and handhelds
- Conformance to security standards such as HIPAA and Federal Information processing standards (FIPS).

PLATFORMS

SQL and database programming languages (e.g., PL-SQL) on multiple platforms. System development in Java/J2EE/JSP, .NET/C#/ASP, XML, C++/COM/MFC, and Windows/Unix/Linux. Web server infrastructure experience using application servers such as BEA WebLogic, Macromedia Jrun and Microsoft IIS/.NET. Text Analysis with Verity products. Desktop application development in C++/COM/MFC. Web-service development and composition with Blue Titan Network Director and Apache Tomcat/Axis, Statistical analysis with SPSS and SAS.

PERSONNEL

Spatial Data Systems has a staff of high-level designers, architects, as well as experienced programmers. Aside from its own staff, it has access to a pool of programming talent, and has experience in assembling task-focused software development teams.