

# SPATIALinfo

## Capabilities

### Overview

SPATIALinfo offers the following expertise in each of the disciplines required for successful AM/FM/GIS project implementation:

### Project Feasibility and Funding Strategies

- Feasibility Studies
- Cost-benefit Analyses
- Business Function Needs Assessments
- Technical Requirements Definition
- Cost-sharing Strategies
- Productivity Assessments
- Business Case Analyses for Multiple Users
- Projections of Key Financial Indicators

### Strategic Plans

- Short and Long Term System Configuration Planning
- Development of Detailed Functional Requirements
- Definition of System Staffing and Operations Support Needs
- Applications and System Interface Definition
- Data Conversion Strategy
- Executive Management Briefings
- Project Assessments and Reviews

### Vendor Selection

- Hardware and Software Specifications Development
- Hardware and Software Vendor Evaluation
- Conversion Specifications Development
- Service Bureau Evaluation

### Data Conversion Management

- Database Schema Design
- Development of Evaluation Criteria for Conversion Vendor Selection
- Development of Aerial Photography Ground Control Specifications
- Development of Basemap, Thematic, and Facilities Conversion Specifications
- Assessment of Conversion Program Staffing Requirements
- Independent Audit of Data Conversion Program Production
- Establishment of Criteria for Acceptance of Data from Conversion Vendors

### Project Management

- Project Manager Training
- Productivity Audits
- Hands-on Project Management

### Multiparticipant Projects

- Consensus Building
- Business Case Analysis for Multiple Users
- Multiparticipant Cost Allocation Strategies
- Multiparticipant Landbase, System, and Application Requirements
- Project Organization and Management with Public/Private Participation
- Legal Issues, e.g., Data Sharing, Project Ownership, and Cost Recovery

### Applications and Technology

- Work Management Systems Planning and Design
- Re-engineering Studies
- Records Management and Database Management Strategies
- Development of Interface Specifications for System Integration Requirements
- Applied Technology Assessment for Image Processing, Scanning, Raster-based Systems, Video Imaging, Laser Technology, and Document Management

### Subcontractor Management

- Subcontractor Evaluation, Selection, Contract Negotiation and Contract Management
- Subcontractor Delivery Management, and Quality Assurance and Quality Control Specifications
- Work Management

### Hardware and Software Administration

To complement Customer resources and the enabling technology provided by GIS and related vendors, SPATIALinfo can supply hardware and software design and development services that provide solutions for particular information processing requirements.

This set of services includes the following:

- Network Communications Performance Optimization
- Operating System Performance Tuning
- System Administration Policies and Procedures
- System Configuration Optimization
- System Diagnostics and Problem Resolution
- Database Performance Tuning
- System Security Planning and Implementation
- Personnel Training in System Administration
- System Architecture Definition and Refinement

### System Design Activities

- System Design Project Management
- Employment of Systems Analysis Methods and Procedures
- Conceptual and Detailed Database Design
- Integrated Data Modeling
- Development of Computer-aided Software Engineering (CASE) Tool Models for System Design
- Data and System Model Refinement
- Detailed Requirements Definition
- Rapid Prototyping for Design Input
- Translation Services (both data and systems)
- Resource Skill Evaluation and Usage Planning

### Applications Development

- Detailed Functional Requirements Definition
- Detailed Application Design
- Rapid Prototyping for System Acceptance and Design
- Development and Deployment of Enterprise-standard Graphical User Interfaces
- Vendor-independent Database Access Methods
- Development of Training and User Documentation
- Enterprise Systems Integration, including Design, Coding, and Implementation
- Development of Vendor-dependent and Vendor-independent Data Access and Analysis Routines

### Help Desk

SPATIALinfo maintains full Help Desk facilities, accessible 24 hours per day, 7 days per week, to provide timely support to both direct customers and Channel Partners.

### Systems Integrator Support

SPATIALinfo's business model includes working closely with a Customer's preferred Systems Integrator to implement solutions. Organizations with which SPATIALinfo has worked internationally include IBM, Convergent Group (US), EDS and Idea Generation.

### Autodesk Development

SPATIALinfo is an Authorized Autodesk Developer (amongst the largest developer groups in the world) and an Authorized GIS Reseller.

SPATIALinfo can provide an advisory, development, integration, sales and support service for those organizations considering or choosing Autodesk as their GIS platform.

### For more information

#### SPATIALinfo

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