

# BUSINESS INTELLIGENCE, DATA WAREHOUSE & INFORMATION INTEGRATION SOLUTIONS

While market, competitive, regulatory and technological change accelerates, management's pursuit of profitability remains constant. In an increasingly project driven economy where business models continually evolve, it is critical that you effectively align projects with business strategy and complete them on time and within budget. In this information driven world, SIS-G can provide you with Business Intelligence and Information Integration solutions that provide you access to more relevant, timely, and accurate information, which will give you the competitive edge that separates the top one to three percent of performers (the Truly Great) from the top quartile (the Very Good).

SIS-G brings the business and technical expertise required to extract key business data from corporate systems and deliver data driven solutions today. We can provide all this through our own virtual environments, where we create business applications based on your data but without taxing your systems or budget.

SIS-G utilizes an Agile project methodology to iteratively deliver solutions, while providing deep domain expertise in Data Management, capability enhancements to your in-house development and the flexibility of high tech experts on demand. We can take your initiative from conceptualization to implementation.

## SERVICE OFFERINGS

SIS-G has built a strong track record in [Business Intelligence, Data Warehousing, Data Integration and Data Conversion, including all supporting Technical Architecture by constantly delivering value to our clients](#). We can blend these practices to deliver any data related solution including, real-time, embedded analytics, event driven decision-making agents and predictive models. Below is a brief list of typical services we deliver for clients, but SIS-G works with you to create a custom solution to satisfy your specific needs.

### Strategic Solution Planning Services:

SIS-G offers the following strategic services that will benefit all subsequent projects increasing value as your business continues to require more concise information, more frequently.

**Data Government** – Coordinate stakeholders across the company to institute an organized governing body, policies and procedures defining an enterprise wide "Declaration of Data Independence" (from captive departmental silos).

**Information Management Roadmap** – Plan an efficient, business oriented conceptual model for how project investments will be made in corporate information assets over time, to increase asset value and enable information to energize successful corporate initiatives.

**Strategic Metric Design** – Collaborate with corporate Strategic Planners and Industry Experts to negotiate the critical metrics that are quantifiable with transformations of existing corporate data, to be used by management to evaluate company performance.

**Application Audit** – Review of all existing data integration and data warehouse application requirements, models, designs, code, test plans, controls, project methodology, templates and procedures, highlighting gaps, issues and opportunities for improvement, while associating costs of application ownership with derived benefits.

**Strategic  
Information  
Systems  
Group**

701 Carlyle Court  
Northbrook, IL  
60062  
888.372.1815

[www.sisg.com](http://www.sisg.com)

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**Data Quality Audit** – Evaluate relevant source system data, for accuracy, reasonableness and consistency, highlighting quality issues, cleansing needs and data transformation requirements.

## Project Delivery Services:

SIS-G offers the following comprehensive services comprising all phases of the system development lifecycle to implement a complete solution.

**Agile Project Management** – Direct all project activities and assume responsibility for time, quality and budget. Configure project workflow tooling to streamline iterations.

**Collaborative Requirements Gathering** – Facilitate Joint Requirements Planning sessions with collaborative workflow and requirements capture tools, to efficiently prioritize business requirements captured from many users in many formats at many times, and refine them into approved solution release bundles.

**Data Profiling** – Review of source system data element distinct values, relationships with each other, definitions and other detailed metadata, required as input for Data Architecture, Transformation Design and Project Estimation.

**Data Architecture** – Model the logical and physical data structures, their relationships and metadata. Forward engineer the target state database in all environments.

**Project Estimation** – Calculate expected project costs from design through implementation using prior project experience and refined formulas based on the number and nature of data source, transformation and delivery objects modeled per approved requirements.

**Collaborative Application Design** – Specify data mappings, process flow and data transformation logic traceable to requirements using source to target design templates which are importable to the development ETL toolset.

**Collaborative Application Development** – Code and Unit Test using visual software development tools and collaborative workflow for extract, transformation, load and delivery of information, per the Collaborative Application Design

**Automated Testing** – Automate test data creation and script execution using testing tools with traceability to requirements and SIS-G's Advanced Test Automation Solution (ATAS) add-on software to inventory and re-use test scripts for each iterative release, promoting scripts to an automated regression-testing environment to be run repetitively prior to each subsequent release, in order to reduce test cost, increase software quality and eliminate undesired production impacts.

## Infrastructure Optimization Services:

SIS-G consultants stay abreast of the latest trends in Information Management technology through regular training, certifications and participation in vendor partnership programs. This adds value to client implementations while delivering the following technical services to optimize infrastructures.

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**Technical Architecture Blueprints** – Graphically depict the current and future development, test and production technical architecture, for use in communicating the current infrastructure and planning the migration to the future state.

**Proof of Technology** – Evaluate whether specific source system data can be processed with proposed technology versions to satisfy predefined business requirements, prior to investing in either technology or projects to build the comprehensive production solution.

**Cloud Computing** – Configure elastic, reliable virtualized software and hardware resources provided as a service over the Internet, to agilely enable project Proof of Technology, development, test or production that is on demand, scalable and pay-as-you-go, without dependence on your company's IT infrastructure.

**Center of Excellence Implementation** – Establish a centralized in-house Business Intelligence and Information Integration technology organization to coalesce knowledge, set standards, establish best practices, maintain infrastructure and educate IT staff and users in the technology.

**Software Upgrades** – Analyze, plan, and safely upgrade your development, test and production software installations to the latest versions and train your Center of Excellence, IT project staff and users in new features and functionality of the release.

**Technology Training** – Educate users and IT staff in software tools, modeling techniques and project delivery methods used throughout the project lifecycle.

**Vendor Selection** – Evaluate software tools and vendors independently in the Information Management space, including software for Requirements Capture, Project Workflow, ETL, Automated Testing, Database Management, OLAP, ROLAP and Analytics.

**Performance Tuning** – Analyze, design, code, test and implement technical (SQL, database and ETL, etc) modifications that improve system performance without changing the functionality of the applications.

**Grid Computing** – install and configure software to divide and apportion pieces of a program among several computers acting in concert to complete the task faster.

**High Availability Software** – install and configure software that ensures the availability of system resources for data warehouse or data integration users, in the wake of component failures in the system.

## WHY CHOOSE SIS-G?

By allowing us to help you define data management strategies, champion new fact driven business processes and implement best practices, your company will be enabled to make better-informed decisions, improve operational efficiencies and create new revenue channels. Clients should consider partnering with SIS-G for the following reasons:

- Exclusive focus on Business Intelligence and Information Integration for 15 years has enabled SISG to accumulate the critical mass of client experience, technical skills, partnerships, best practices and methodologies to excel within that niche.
- We have made a significant investment in highly productive software tools, for requirements capture, data modeling, ETL, BI, project workflow collaboration and

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automated testing, to reduce overall project cost, inject value in solutions for your problems and reduce risk in tool implementation and adoption.

- SIS-G's Virtual and Cloud development environments for Technology Training and Proof of Technology reduce your project start-up timelines, cost and risk.
- Business backgrounds (MBA/CPA) of SIS-G consultants skilled with collaborative capture tools and facilitated methods, reduce project risk and defects.
- We exclusively hire experienced consultants and then train them in our best practices, methodologies and productivity software.
- While focused on technical or business specialties, the scope of each consultant's expertise covers the full project life cycle with broad and deep knowledge in our niche.
- Our core competencies in Data Modeling and ETL (Extract, Transformation and Load) are more valuable than the marketing and reporting core competencies of our competitors, since our focus areas are where the highest opportunities for savings reside.
- SIS-G is right-sized for your business needs. You are an important client to us and have immediate access to our Executive levels, so all your requests are promptly and efficiently addressed.
- Vendor partnerships provide SIS-G consultants familiar and immediate access to software, training and support, reducing technical issue resolution time.

Our specialized business model, management experience, partnerships, virtual development capabilities and education, enable us to deliver insightful strategic counsel and high value implementation services with cost effective national coverage. We are a highly competitive alternative to general purpose staffing firms and marketing based consulting firms that sell inexperience at higher prices.

### OUR TEAM

Strategic Information Systems Group (SIS-G) is a boutique IT consulting team of experienced consultants specializing in Business Intelligence and Information Integration projects for the last 15 years. Established in 1989 by former executives of General Electric Capital, we have provided many fortune 1000 companies with solutions that have made significant, positive, impacts in their organizations. SIS-G consultants hold advanced business degrees and certifications (MBA/CPA/PMP) in addition to technical degrees and certifications, providing the blend of business and technology experience needed to analyze, design and build high performance information driven strategic applications. We are successful because we work with you to leverage what you have, build what you need, and leave your organization stronger than when we started.

#### For more information please contact:

| **Dave Getty**, Principal Partner

Direct Line: 847-452-6053

Email: <mailto:dgetty@sisg.com>

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