sgi®

SGI® Professional Services

Speeding Time to Insight with Advanced Visualization Solutions

Today, industries, researchers, and governments around the world rely on advanced visualization solutions to innovate, collaborate, communicate, and accelerate decision making in real time. Advanced visualization solutions from SGI integrate 2D and 3D images, complex data sets, and video into real-time environments that allow multidisciplinary teams to see and directly interact with the information. The power of advanced visualization solutions is enormous and the process for design, delivery, and support can be extremely complex.

Visualization solutions are a synthesis of people, computers, technology, tools, and precision techniques. Critical to the success of any solution are the expertise and services required for design and implementation. Specializing in advanced visualization solutions, SGI Professional Services is the single most comprehensive source for system design, integration, installation, and support for solutions including Visual Area Networking and SGI® Reality Center® environments. Our history of delivering timely and cost-effective solutions is your assurance that SGI Professional Services will provide the optimum solution for your advanced visualization needs.

SGI® Advanced Visualization Solutions:
- Shorten manufacturing design cycles by up to 20%
- Increase accuracy of drilling targets in energy exploration
- Shorten time to insight with grid visualization
- Foster collaborative engineering in manufacturing
- Accelerate scientific research
- Ensure mission success in command-and-control environments
- Reduce the risk in critical decision making across all applications and disciplines

Comprehensive Solutions from Design to Support

Making the Complex Simple

Visualization solutions involve precise integration of system hardware, software, custom applications, system management tools, and third-party products, as well as up-front needs analysis, consulting services, and appropriate support strategies. SGI Professional Services simplifies this process for you by providing a single point of contact for your entire project and assuming total project responsibility. This allows you to focus on your core business and be assured that the industry's most experienced visualization specialists are solving your technology challenges.

Experience Ensures Success

SGI Professional Services comprises a longstanding team of highly experienced technical experts and solution architects, many with doctoral degrees, who have a history of successful implementations at all levels of advanced visualization solutions. Proven methodologies are used to accelerate implementation and avoid unnecessary delays.

Efficient design and implementation processes are crucial to keeping your solution on an accelerated path. Every SGI advanced visualization solution begins with an SGI Professional Services consultation that includes a detailed site and requirements assessment. This enables SGI solution architects to design a solution that delivers increased productivity, integrates seamlessly into your existing workflow, and delivers a competitive business advantage.

Your SGI Professional Services project manager focuses on your requirements, establishes timelines, and sets accurate expectations throughout the process, with the utmost attention to quality and budget. Specific responsibilities include:
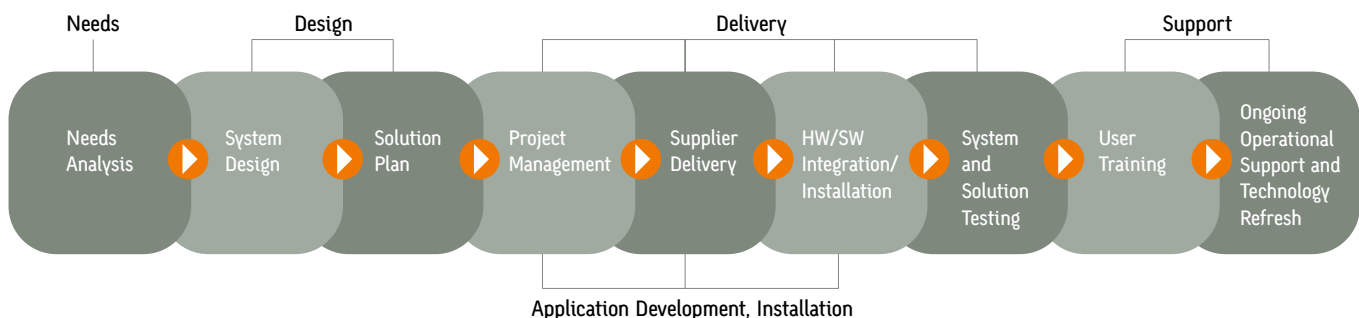
- Managing total project scope, budget, and schedules to predefined expectations
- Ensuring that all aspects of the project execute correctly, with full attention to detail
- Reviewing all available advanced visualization components to ensure that selected items integrate seamlessly and are perfectly matched to your specific visualization needs
- Providing timely and ongoing progress reports to all project participants
- Making additional, customized services available upon request

You can rely on SGI Professional Services throughout the entire project and know that the best technology in the industry is being integrated into your solution.

"SGI Professional Services started with our vision and all the complexities it implied and architected a complete solution that translated our wishes into functional technology."

—James Avery, [former] Associate Dean for Academic Affairs, Bechtel Collaboratory, Discovery Learning Center

Below: Reality Center, Cortaillod, Switzerland, displays interactive walk-through of a natural gas liquids plant

Needs	Design		Delivery				Support	
Needs Analysis	System Design	Solution Plan	Project Management	Supplier Delivery	HW/SW Integration/ Installation	System and Solution Testing	User Training	Ongoing Operational Support and Technology Refresh

Application Development, Installation

Visualize Success

SGI is the recognized leader in the design and development of advanced visualization and immersive, multimedia environments. For 20 years, SGI has been delivering cutting-edge solutions to the world's leading scientists, researchers, explorers, designers, and military strategists. Helping you succeed in achieving your visualization goals is our number-one priority.

Industry-Leading Relationships
Whether you require a single SGI installation or a heterogeneous compute farm, SGI tailors a high-quality visualization solution and delivers it on time and on budget. Ongoing contact with key partners and suppliers ensures component compatibility and reliability as well as exceptional quality and best pricing. Leveraging industry relationships and proven methodologies, SGI Professional Services streamlines communications, accelerates progress, and ensures the highest level of customer satisfaction.

Total Solution Support
For all support and service needs, including long-term technology refresh programs, SGI is your single point of contact. SGI's broad range of services is designed to accelerate productivity and optimize the return on your technology investment. Through a rigorous process of solution assurance, coupled with partner management, SGI ensures the most comprehensive and highest quality support available. From standard support to 7x24 coverage for mission-critical requirements, SGI can deliver a level of service that matches your specific needs.

Our customers recognize the exceptional quality of our support, rating SGI services among the best in the industry. You can count on SGI for fast, accurate resolution of technical problems and on our dedication to helping you achieve and maintain a competitive edge in your industry.

Single-Source Protection
SGI Professional Services assumes total project responsibility for the ultimate success of your visualization solution, eliminating your exposure to risk. An in-depth knowledge of current

Above:
Volvo customers using virtual prototyping software

and future technologies, world-class skills, the ability to leverage industry-leading relationships, and a history of delivering superior solutions on time and on budget ensures our commitment to your long-term success.

As SGI high-performance computing and visualization technologies continue to advance, SGI Professional Services will remain committed to delivering state-of-the-art advanced visualization solutions that provide faster time to insight, speed decision making, shorten design cycles, and streamline workflows company wide.

Contact your SGI representative today to learn how SGI Professional Services can tailor an advanced visualization solution for your company. More information is available on our Professional Services Web site at *www.sgi.com/services/* or by calling 1(800) 800-7441 (U.S. and Canada).

"The installation process was smooth…The SGI Professional Services people were a pleasure to work with."

—John Mottershaw,
IT Support Manager
Landmark Graphics

Solutions Sized to Fit
SGI advanced visualization solutions are tailored to your exact specifications using modular, highly scalable, high-performance SGI supercomputers equipped with the industry's richest graphics capabilities. Solutions range from low-cost, entry-level facilities for small work groups to fully immersive environments capable of delivering the highest levels of performance and realism and displaying large-scale, volumetric data in 1:1 scale. For large-scale implementations, SGI can design and manage a range of facility improvements, including electrical, mechanical, and structural changes.

Advanced Visualization Solutions to the World

For more than 20 years, SGI has provided leading-edge visualization technologies that have revolutionized innovation and discovery for science, energy, manufacturing, government and defense, and media customers. Collaboration with SGI's industry specialists facilitates the development of strategically superior vertical market visualization solutions.

Energy
The ability to complete projects faster and more cost-effectively can keep energy companies ahead of the competition. SGI Professional Services' energy experts work closely with oil companies to provide cutting-edge visualization solutions that enable geoscientists and engineers to visualize and collaboratively interact with large, high-resolution, 3D seismic data sets to interpret subsurface structures and stratigraphy. The result is increased accuracy in drilling targets, more comprehensive reservoir analyses, safer design production facilities, and shorter production cycles for projects.

Sciences
SGI visualization technologies have enabled numerous critical scientific breakthroughs. Whether improving surgical procedures, analyzing molecular models, or simulating the creation of the universe, SGI visualization solutions speed time to insight and discovery. Science centers, planetariums, and museums have benefited significantly from creative possibilities presented by SGI visualization solutions. For the first time, people have the ability to fly through a strand of DNA, stroll through a virtual model of an Egyptian tomb, and examine minute details of priceless works of art—all interactively.

Defense, Intelligence, and Homeland Security
Governments around the world rely on SGI technology and services to play an integral role in critical decision making and determination of policy. Fully immersive visualization facilities based on the SGI Reality Center environment help turn data into information to support decision making. In an industry with ever-growing data sources, visualization facilities such as SGI® Decision Support Center solutions provide a powerful environment in which to fuse multiple, disparate pieces of information into an intuitive, common operating picture in support of information dominance.

Manufacturing
SGI Professional Services' visualization solutions are indispensable tools for the world's leading manufacturers, enabling them to create digital models faster and more cost-effectively than physical prototypes. Design, engineering, manufacturing, and marketing teams are also able to participate in 1:1 scale 3D design reviews that allow them to interact in real time with every aspect of product design and achieve group consensus. Ultimately, visualization solutions play a significant role in enhancing product quality and safety, shortening product development cycles, reducing time to market, and accelerating ROI.

Media
High-quality film mastering is I/O intensive and requires a consistent flow of 30 frames per second with extremely large file sizes. The size, power, and digital media capabilities of SGI advanced visualization systems increase the efficiency of content production, and this technology has been extended into broadcast and broadband delivery.
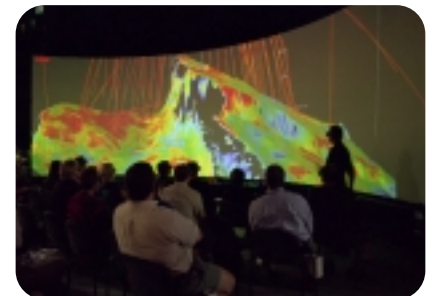
Partnering For Success
Whether you're looking to build safer cars or airplanes, discover new medicines, explore for oil, predict climate change, create thrilling cinematic effects, or provide mission-critical support for government and defense, SGI Professional Services can put your advanced visualization solutions on an accelerated path to unsurpassed ROI.

More information is available on our Professional Services Web site at *www.sgi.com/services/* or by calling 1(800) 800-7441 (U.S. and Canada).

Above:
Caterpillar's use of CAVE™ in a virtual prototyping environment

Above:
GeoQuest display of seismic data

"SGI Professional Services put the whole thing together for us. They designed a cost-effective solution including hardware, software, support and training that addressed Sci-Quest's requests and, in fact, anticipated future needs."

— J.D. Horne,
Executive Director,
Sci-Quest