

Scalable solutions for shifting demands in  
today's most dynamic industries

***Aerospace • Healthcare  
Energy • Homeland Security***



- > **IT Infrastructure & Managed Services**
- > **Software Testing, Verification & Validation**
- > **Logistics Services**

***Mission-critical precision for a dynamic world™***

GB Tech delivers solutions to quickly identify and effectively respond to rapid change in today's most dynamic markets.

We provide our clients with managed IT services, software testing and logistics solutions to problems demanding mission-critical precision and scalability. GB Tech offers performance assurance especially important to clients faced with compliance issues, regulatory change and liability concerns.

To GB Tech customers even the risk of failure is not an option. We help them mitigate risk by providing solutions that deliver assurance for mission-critical systems and operations.

GB Tech has set high expectations for the quality of service it delivers to its customers. We realize that our clients have a bottom line; this is why we are always working to meet their exact needs and budget while maintaining on-time delivery.

We work in many business sectors and government agencies, but focus on aerospace, homeland security, healthcare and energy. These industries require the high degree of reliability, scalability and performance that GB Tech offers.



## Scaling with Precision

**P**recision is the ability to be consistent without error. As problems tend to scale and become larger (e.g. lines of code, number of shipments), there is a tendency toward higher failure rates and less precision. The trade-off can be defined as the "risk of failure." Organizations that rely on greater accuracy and assurance struggle to minimize this trade-off.

By reducing the trade-off between scalability and precision, GB Tech helps companies and government agencies guarantee higher levels of assurance in technology and logistics support.



At GB Tech we strive to provide the same high level of assurance regardless of project scale or scope.

Leaders in aerospace, healthcare, energy and defense require greater assurance when faced with compliance issues, regulatory change and liability concerns and require greater scalability without the trade-off and risk of failure. We understand that providing logistics and IT services in these dynamic markets is met with higher expectations of quality in service delivery. Our clients that depend on software and technology expect – and receive – greater reliability and performance.

## AEROSPACE

For more than 25 years, GB Tech has served aerospace leaders to meet and exceed mission-critical systems requirements. GB Tech is a critical value add in the current aerospace environment, where pressure to find new strategic approaches to manage cost and mitigate risk requires technical expertise, flexibility, and efficiency.

We help manufacturers and systems integrators develop and manage new processes and integrate new technologies to serve security, performance and logistics demands.

Solutions include:

### Aerospace Engineering

- Orbit trajectory (including ascent & entry analysis)
- Modeling and simulation
- Program Integration

### Software Testing

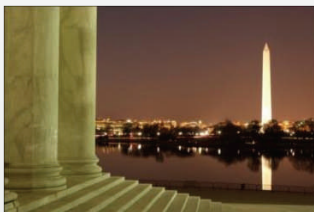
- Integrated hazard analysis
- Reliability and maintainability
- Compliance with CMMI Level 5 standards
- V&V combined with automated processes

### Reliability Engineering

- Verification of reliability & maintainability requirements
- Maintainability analysis
- Risk management and metrics reporting
- Safety and Mission Assurance (S&MA)



*GB Tech delivers operational and application assurance for mission-critical systems.*



## HOMELAND SECURITY

Today's evolving homeland security environment raises concerns ranging from cybersecurity to border security.

GB Tech's core competency expertise provides clients the necessary skills needed to effectively protect their assets and deal with increasing regulatory compliance issues.

We often work as a partner with support integrators and end user clients to ensure security concerns are managed on a 24/7 basis.

Solutions include:

- Risk evaluation and management
- Independent verification & validation
- Safety & quality assurance compliance
- Network monitoring & management
- Physical inventory and management system accuracy
- Data, voice, CCTV, biometric, and microphone cabling



## OIL-GAS-ENERGY

As the nation seeks to make the most efficient use of the energy it produces, new technologies are emerging to meet the demand. GB Tech supports its customers in Physical asset management and logistics; IT and software assurance; and enterprise asset management (EAM) software.

These systems are used to manage physical assets such as rigs, plants, and pipelines and typically include advanced analytics software including predictive analytics and real-time or streaming analytics.

Solutions include:

- Asset and utilization tracking
- Physical inventory and management system accuracy assurance
- Risk evaluation and management
- Independent verification & validation
- Safety & quality assurance compliance
- Safety check inspections
- IT staff augmentation



*GB Tech delivers the highest degree of proficiency and on-demand scalability to lower costs, streamline operations and improve productivity.*

## HEALTHCARE

GB Tech helps companies and government organizations quickly identify and effectively adapt to the rapid changes in today's dynamic healthcare industry. The implementation and use of electronic medical records and personal health records is becoming customary and is expanding not only in the U.S., but throughout the globe. Several U.S. physicians currently use intelligent smart phones with Internet access and advanced applications.

As more hospitals, doctors and healthcare organizations embrace mobile healthcare and greater connectivity, service providers will need to integrate, manage and deliver services and applications that provide increased efficiency while protecting confidential information. GB Tech offers various scalable solutions for healthcare IT infrastructure and communications, logistics management and software testing and security.

Solutions Include:

- Network monitoring & management
- Electronic Health Records accuracy assurance & security
- Risk evaluation
- Remote access
- Utilization tracking and record keeping
- Receipts verification and validation
- Laboratory operation
- Scheduling and cost control
- Medical processing services
- Integrated program planning
- Multi-site project management
- Business metrics
- Enterprise resource planning (ERP) testing
- Inventory and management system accuracy and variance reconciliation
- Inventory systems/database management





## IT MANAGED SERVICES

GB Tech IT Managed Services is a full-service network infrastructure integrator offering a wide range of services designed to meet the needs of service providers, business customers, and government agencies.

We excel in process and project management; helping our clients with complete regional or national rollouts, including planning, design and implementation of networks, infrastructure installation, wireless systems configuration and implementation, and ongoing IT and end-user support.

Since 1998, we have successfully completed thousands of national and international projects, both large and small, helping to shape the future of many corporations and organizations. Our teams of experts stand ready to manage your critical IT services and infrastructure needs, delivering on-time, cost-effective solutions.

GB Tech IT Managed Services offers IESYS™ - Integration Engagement System—a process for certifying that national and international projects are delivered utilizing a proven methodology developed by GB Tech using processes and procedures designed for the assurance of on-time, on-budget delivery and complete customer satisfaction.

**IT infrastructure**

**Communications**

**End-to-end IT managed solutions**

**Cloud services, management and support**

**Application assurance**

**Network management, monitoring, maintenance**

**Full deployment and implementation**

**Verification and Validation**

**Project Assessment and Scoping**

**Test Tool Evaluation and Verification**

**Static and Dynamic Code Analysis**

**Complexity Analysis**

**Configuration Management**

**Qualification Test Plan and Execution**

**Automated Code Evaluation**

## SOFTWARE TESTING, IV&V

Software testing requirements are evolving rapidly. In addition to being knowledgeable about testing and automation technologies, testers now must be able to understand business requirements and create test validation for specific business needs.

GB Tech assists its customers in the analysis and testing of software systems. We focus on properly modifying functional capabilities of existing software to incorporate approved changes and to correct discrepancies between functional requirements and actual capabilities.

We have adapted to the changing market by providing more specialized, value-added services and assets. With our history of working with NASA and the Department of Homeland Security, we are used to working in areas where mission critical has implications beyond just the bottom line, areas where lives or national security is at stake. We take this same approach to the needs of the business world and offer a commitment to application quality, agility and efficiency.



## LOGISTICS SERVICES

GB Tech helps our customers focus on their core business objectives by delivering logistics services that reduce costs, improve order cycle time and establish new standards for customer service.

Our expertise in logistics operations began in the human spaceflight environment, where skillful scheduling, safety focus, and commitment to the mission are paramount. At all stages of logistics management, customer service is an integral part of our strategic and tactical work. Performance at the highest degree is instilled in our culture companywide.

GB Tech logistics services include receiving dock operations, inventory stocking, material issue, packaging & shipping, cycle counting, process documentation, training, project management, transportation services.

**Best practices implementation**

**Process control**

**Project management**

**Inventory, property & asset management**

**Warehousing**

**Receiving, shipping, transportation**

**Seamlessly integrate as in-house service provider**





GB Tech is a leading provider of managed IT, software testing and logistics services for solutions that demand mission-critical precision and scalability. Serving the aerospace, healthcare, homeland security and energy industries, GB Tech delivers scalable solutions that help companies, technology partners and government agencies quickly identify and effectively respond to rapid change in today's most dynamic markets.

Founded in 1985, GB Tech has proven itself by providing the highest degree of proficiency and on-demand scalability to help clients lower costs, streamline operations and ultimately improve productivity. Moreover, GB Tech helps mitigate risk by delivering assurance in mission-critical systems and operations for some of the world's most dynamic companies.

For more information please visit [www.gbtech.net](http://www.gbtech.net)

**GB Tech, Inc.**  
2200 Space Park Drive  
Suite 400  
Houston, TX 77058  
Ph: (281) 333-3703  
Fax: (281) 333-3745  
[inquiry@gbtech.net](mailto:inquiry@gbtech.net)