

# Operational Cyber Security



**Boston Government Services, LLC** (BGS) specializes in providing highly skilled cyber security resources to assess our clients' needs and deliver fully compliant cyber security programs for highly regulated and complex environments. BGS delivers cyber security programs for enterprise/business systems, applications, Industrial Control Systems (ICS/SCADA), Internet of Things (IoT) devices, and cloud environments. We support the Certification & Accreditation process and manage authorization boundaries to ensure compliance. We provide customizable program templates and skilled professionals with Top Secret clearances.



**All Types of Data, All Classifications of Systems** – We secure all types of systems and environments utilizing a Defense-in-Depth methodology. We understand connectivity across different types of environments may be required, and we ensure connectivity occurs in a secure and compliant manner.

BGS builds long-term trusted partnerships with our clients to support the delicate balance between security and functionality based on a mature IT service delivery model.

## Securing Information & Environments

- Securing all classification levels and categories
- Securing across environments
- Applying a Defense-in-Depth methodology
- Industrial Control Systems Security (ICS/ SCADA)
- Security in the Cloud
- Enterprise/Business Systems Security
- Classified Computing Security

## Fully Compliant Cyber Program

- Policies, Procedures, and Plan Development and Maintenance
- Scanning, Testing, and Evaluating
- Vulnerability, Threat, and Risk Assessments with Remediation
- Intrusion Detection, Incident Response & Reporting
- Continuity Planning and Mission Impact Assessments
- Certification & Accreditation Packages for ATOs
- Continuous Monitoring Program

## Awareness Training

- Cyber Security Awareness
- Customized Training Development and Content Delivery
- Insider Threat Programs
- Phishing Exercises
- Best Practice Sessions

## CONTACTS

Bridgitte Mase  
Director, Cyber Security  
865.250.3922  
bmase@BGS-LLC.com

Karen Harris  
Vice President - Business Development  
865.242.2213  
kharris@BGS-LLC.com

Toll-free: 866.730.7353  
[www.BGS-LLC.com](http://www.BGS-LLC.com)

**SBA** 8(a) certified

**GSA** Contract Holder

# Experience and Highlights

**The BGS Difference:** BGS assesses, designs, and supports cyber security programs for all types of environments. We utilize proven methodologies to achieve a Defense-in-Depth architecture with Security by Design. Our highly skilled professionals are well-versed at navigating across information protection zones while ensuring information confidentiality, integrity, and availability at the appropriate level, regardless of classification requirements. Our specialty support areas include:

- Government Facilities
- Specialized Government Programs
- Restricted Secure Facilities
- Nuclear Facilities
- Utilities
- National Laboratories
- Scientific Facilities



## Experience Highlights

### Cyber Security Program Implementation and Support for GSS and ICS

BGS is providing full cyber security program implementation for the DOE EM Depleted Uranium Hexafluoride (DUF6) Project. The cyber security program supports multiple certification and accreditation zones spanning both the General Support Enterprise IT Systems and the Industrial Control Systems at multiple plants across three physical locations. BGS delivers policies, procedures, and plan development; scanning, testing and evaluation; risk management; incident response and reporting; mission impact assessments and contingency planning/testing; and continuous monitoring.

### Cloud Security Assessments

BGS evaluates cloud-based product suites for NIST and FEDRAMP compliance, determines compliance features, creates gap analyses, and provides assessment reports for government contractors.

### Data Acquisition, Simulation, and Analysis

BGS delivers innovative solutions and technical advancements in software design, data simulation, and analytics related to photon and neutron radiation detection supporting our nation's Second Line of Defense program at the Oak Ridge National Laboratory.

### NQA-1 Safety Software Audits and Assessments

BGS delivers NQA-1 safety software audits and assessments for DOE to evaluate NIST compliance and provide gap analyses.

### Cyber Security Risk Assessments in Support of DOE Contracts

BGS evaluates vulnerabilities and analyzes threat sources. To establish a risk rating, we determine the likelihood of the threat source using a vulnerability against the organization and evaluate the impact. Risks are managed continuously throughout the Cyber Program activities.

## Importance of an Operational Cyber Security-focused Organization

BGS specializes in operational cyber security. Most enterprise cyber security organizations are focused solely on the standard business systems. BGS understands that critical infrastructure must be an area of focus. Our nuclear security and engineering background and expertise and understanding of operational security needs sets us apart.

**ICS Challenges:** ICS security has become more challenging with targeted attacks against devices once believed to have "Security through Obscurity." Our ICS cyber specialists enable ICS mission needs for customers with a proven Defense-in-Depth approach to isolate critical assets appropriately and secure core components, while enabling secure connectivity to address mission requirements. We ensure that ICS systems are monitored without impacting the operational integrity or availability of the system.

**IoT Challenges:** A rapid influx of IoT devices absent of basic security design principles have altered the cyber threat landscape and increased organizational risks. Devices of all kinds have become internet-enabled to connect people and functions to devices. This newly interconnected world has been created with low cost methodologies rather than security-minded principles, resulting in organizations deploying devices with no security features. BGS assesses IoT security, addresses vulnerabilities, and monitors the environment to ensure the mission is not impacted.