

CYBER & TECHNOLOGY SOLUTIONS

BGS delivers innovative solutions to provide secure operations, enable mobility, and promote risk-based decision making. Our Center for Cyber Security Innovation (CCSI) facilitates research capabilities, enhances technologies, and integrates "Security by Design." We deliver the experts and the right tools to facilitate efficient and secure operations to address evolving threats and technical challenges.

CENTER FOR CYBER SECURITY INNOVATION

- Prepare technology for migration into government networks and facilitate implementation
 - Analyze gaps and address deficiencies
 - Complete accreditation activities for products and technologies
- Enable "Security by Design" in emerging technologies, such as Smart Devices and Internet of Things (IoT)
- Design, build, and implement new technologies and solutions
- Analyze and mitigate potential security issues with the Supply Chain

SECURE OPERATIONS

- Security Operations Center (SOC) for both Industrial Control Systems and Enterprise Systems (On Premise, Cloud-based, Hybrid)
- Real-time security event monitoring (e.g. SIEM), threat analysis, and incident response
- Critical Infrastructure Security (ICS/DCS/SCADA and IoT)
- Align Systems with Mission, Business Impact Analysis & Contingency Plans
- Network & Infrastructure Optimization and Enterprise Systems Management
- Secure Cloud Migrations and Management
- Legacy System Management, Transformation, and Integration
- Data Aggregation, Business Intelligence, and Dashboards
- Automated Asset Tracking

COMPLIANCE & ASSESSMENTS

- Certification & Accreditation/Security Authorization Packages for Authority to Operate
- Assessments of Enterprise Systems (NIST SP 800-53 and Cyber Security Framework (CSF))
- Assessments of Industrial Control Systems (NIST SP 800-53 + NIST SP 800-82 & CSF)
- Corporate Assessments (NIST SP 800-171 & CMMC prep levels 1-5)
- Safety Software Assessments
- FedRAMP Assessments
- Red/Blue Teams, Penetration Testing
- Evaluation of Enterprise & Custom Applications & Compliance Dashboards
- Policies, Procedures, Plans to address compliance requirements

Boston Government Services, LLC

BGS is dedicated to strengthening our Nation's security and energy infrastructure by providing expert resources, efficient processes, and effective technologies. Partnerships with key technology providers enable us to deliver innovative solutions to advance research initiatives, solve costly and time consuming problems, and protect critical infrastructure. Our highly-qualified experts enable us to provide valuable unique resources in a landscape of rapidly evolving threats and new technologies.

Preparing Companies for NIST 800-171 DFARS & DOE Order 205.1C Compliance

Organizations handling government data must be compliant with NIST 800-171 DFARS requirements. BGS assesses organizations for compliance with these requirements, delivers gap analysis, and provides guidance on addressing deficiencies.

EXPERIENCE AND SOLUTIONS

THE BGS DIFFERENCE

BGS attracts and retains Cyber Security and IT subject matter experts. BGS brings expertise from government programs, national laboratories, research institutions, military technical professionals, intelligence community professionals, and critical infrastructure to provide clients with innovative services and solutions. BGS assesses, designs, and manages cyber & technology programs for all classification environments using "Security by Design" principles.

ADDRESSING EMERGING CHALLENGES

BGS addresses emerging challenges and solves complex problems. Our Cyber Security and IT expertise in nuclear security, engineering, and research, along with our understanding of operational requirements to meet mission needs and apply secure technology solutions, sets us apart.

ICS/DCS Challenges: Industrial and Distributed Controls security has become more challenging with targeted attacks against devices once believed to have "Security through Obscurity." The geographical challenges of distributed control systems add a layer of complexity and increases the threat landscape. Our ICS cyber specialists enable mission needs for clients 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 monitor ICS systems 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 interconnected world was developed with low cost methodologies rather than security-minded principles, resulting in organizations deploying devices without security features. BGS assesses IoT security, addresses vulnerabilities, and monitors the environment to ensure the mission is not impacted.

Technology Alignment, Legacy Transformation, and Cloud Hosting:

BGS aligns technology with mission critical processes, and creates solutions that enhance performance and are adaptable to evolving requirements. Working in partnership with customers, BGS has successfully consolidated legacy tools and systems, migrated on premise systems to a secure cloud, and transformed applications into modern adaptable solutions. For example, our ATLAS (Automated Transportation Logistics and Analysis System) solution replaced costly, redundant, aging legacy systems with a secure cloud solution to track ~10,000 shipments of radioactive/hazardous waste per year. The system was integrated into the EPA's e-Manifest system for cradle-to-grave tracking. Cost savings are realized by reduced support requirements, application efficiencies, and the ability to obtain competitive shipping rates resulting in 50% reduction for truckloads and 70% for parcels. The integration and transformation effort resulted in a centralized repository of critical information to aid in decision-making, reporting, and enhanced compliance with regulations.

Experience Highlights

- Providing Cyber Security support services for General Support Systems, Industrial Control Systems, and operational technology for the U.S. Department of Energy (DOE) across multiple sites. Tasks include:
 - C&A package and security plan creation and maintenance
 - Risk assessments
 - Privacy program compliance
 - Mission impact assessments
 - Contingency planning
 - Security Operations Center and incident response support
 - Plan of actions and milestones
 - Security assessments and Penetration Testing
 - Cyber awareness training
 - Continuous monitoring support
- Creation of C&A packages for the DOE Office of Environmental Management Los Alamos Legacy Cleanup Contractor for telemetry, portable devices, and enterprise and cloud-based systems.
- Blue Team Assessments for NNSA facilities and other DOE sites.
- NIST 800-171 assessments for commercial organizations providing support to the U.S. government and military to ensure compliance.
- NIST 800-53 assessments for ICS and General Support Boundaries compliance for DOE facilities.
- NQA-1 Safety software design and development.
- Software design, data simulation, and analytics related to photon and neutron radiation detection supporting our nations "second line of defense" program at ORNL.
- Design and implementation of mobile and tracking technologies.



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