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## Corporate Overview

### Offensive & Defensive Cyber Services

- In-depth expertise in threat/risk intelligence development and CybatiWorks™ cyber-physical defense
- SMEs in IT and OT infrastructure leading capability development and rapid tradecraft advancement
- Full spectrum cyber support to enable customer operational engagements
- Developed Red Team, Blue Team, Pentesting, and Black Box training environments, and supporting infrastructure for honing Tactics, Techniques, and Procedures (TTPs)

### National Security Cyber Training

- Full-service training design, development, and delivery from OCO & DCO industry experts using the latest tools and techniques
- On-demand training experience to meet current and evolving mission needs
- Mission-focused mentoring through in-person, virtual, and hybrid platforms
- Hands-on training using the CybatiWorks™ cyber-physical data center to simulate the discover, explore, and build sequences of cyber engineering

### Data Science & Decision-Making Analytics

- Data science experts providing a full suite of capabilities to rapidly identify data needs, analysis, and product delivery
- Full understanding of development processes integrating AI, ML, and Deep Learning techniques to enable customer decision-making
- Research and development of predictive analytics and visualizations

### Intelligence Analysis

- Multi-disciplined analysts providing in-depth support to technical analytics and production to guide decision makers' operations
- SMEs in research and development of unique solutions to the hardest analytics needs and requirements
- Highly skilled language analysts

### Intelligence Solutions Engineering

- Customer-focused software solution development and deployment
- Expertise in automating manually-intensive processes to enable time savings and increased customer capabilities
- Modern agile software development and DevOps processes to ensure code quality, reusability, and adaptability



## Company Info

**Certified Woman-owned  
 Small Business (WOSB)  
 Veteran-owned Small Business  
 (VOSB)**

**CAGE Code:** 4QLA5  
**DUNS Number:** 793224366

**NAICS Codes:**  
 519190 | 541330 | 541511  
 541512 | 541513 | 541519  
 541611 | 541618 | 541690  
 541715 | 541990 | 561621  
 611420 | 611430 | 611710



**GSA SINS:**  
 132-45: Highly Adaptive  
 Cybersecurity Services (HACS)  
 132-50: Training Courses  
 132-51: Information Technology  
 Professional Services  
 Exclusive GSA Partner for  
 Security Onion

**Prime Contracts:**  
 17-D-0031 (MPO)  
 18-D-0039 (MPO)  
 18-F-1665 (DISA)  
 19-C-0350 (ONR)  
 19-F-0091 (DoD)

IntelliGenesis LLC has supported Department of Defense and Intelligence Community customers for over thirteen years by providing next generation capabilities for: Offensive & Defensive Cyber Services, National Security Cyber Training, Data Science & Decision-Making Analytics, Intelligence Analysis, and Intelligence Solutions Engineering.

Our mission is to enrich our customers' operations by directly applying our cross-functional and mission-focused personnel to solve the most complex mission challenges. Our cyber experts, software developers, analysts, and data scientists embody IntelliGenesis' mission-first approach to supporting the warfighter across dynamic mission environments on more than 30 distinct Government contracts.



## Advancing Technology & Tradecraft

### Cyber Operational Tradecraft and Methodology

*(Offensive & Defensive Cyber Services)*

- Development of advanced threat discovery analytics enhancing threat tactics, techniques, and procedures (TTP) identification and mitigation
- Cyber fusion analysis leveraging advanced Data Analytics and Data Science to enhance target discovery and Cyber Threat Intelligence
- System security assessments to ensure physical, logical, and policy-based security control effectiveness in support of DCO
- Application of advanced data science capabilities to apply artificial intelligence to advance Cyber Threat Analyst capabilities allowing for rapid identification of threats and associated operations enhancing customer defensive cyber operations

### Advanced Applied Data Science and Analysis

*(Data Science & Decision-Making Analytics)*

- Advanced data research and development for data ingestion, grooming, algorithmic model identification, visualization, storage, and governance
- Research, development, and application of advanced data analytics in collaboration with analysts to develop tools that enable intelligence missions
- Mission-focused analytic development to address emerging critical information needs and customer-driven requirements
- Exploratory data analysis, visualization (graphs and mapping), and prediction capabilities to give analysts a full understanding of customer's data intelligence needs
- Advanced tradecraft mentoring to upskill the analyst workforce in the areas of data science, machine learning, scripting, and automation

### RIALTO - Forensic Models of Cyberspace Behaviors

*(Intelligence Solutions Engineering / Offensive & Defensive Cyber Services)*

- Critical insight for Defensive Cyber Operators to provide Indication & Warning (I&W) intelligence and prioritize mitigation efforts based on prediction of potential future attacks
- Development and application of advanced machine learning techniques to predict behaviors of malicious cyber entities/Advanced Persistent Threats (APTs) and TTPs
- Discovery and collaborative filtering of TTPs shared between previously unassociated APTs
- Innovative Attacker Search feature enabling analysts to attribute malicious actions on their network sensors to known entities and their common techniques

### Human Behavior Analytics Tool (HBAT)

*(Intelligence Solutions Engineering / Data Science and Decision-Making Analytics)*

- Development of an analytic platform leveraging machine learning to predict service members at risk for suicide based on previously untapped data from military personnel files
- Implementation of Neural Network and Sentiment Analysis machine learning techniques to provide a flexible, multifaceted approach to assessing highly variable risks
- Design and development of a customizable user dashboard providing streamlined views of the highest-priority issues that need immediate attention from commanders
- Agile development process to frequently incorporate customer requirements and feedback at every step

### Hands-On Training and Mentoring

*(National Security Cyber Training)*

- Training development and comprehensive instruction on Offensive and Defensive Cyber Operations, Data Science, Data Analytics, AI/Machine Learning/Deep Learning
- Experienced instructors and mentors who enhance curriculum with firsthand expertise gathered from real-world mission experience
- Training, mentoring, and hands-on application of analytic tools and resources through National Cryptologic School offerings, deskside mentoring, and through our commercial partners
- Collaboration with customers to identify mission requirements and provide mentoring on the application of Advanced Data Analytics and Data Science Techniques to increase productivity and mission success
- Course design and development following the ADDIE model, and instruction utilizing the latest adult-learning principles and a wide range of classroom, hands-on, and media-based teaching methods

## IG Labs

### Powerful Technology that Enables Research, Training, and Discovery

IG Labs is a hands-on lab environment where we introduce our customers, employees, and partners to the most advanced capabilities in artificial intelligence, deep learning, machine learning, cyber operations, and critical infrastructure protection.

- Pursue new data discoveries at the edge and beyond
- Process, analyze, and discover the untapped potential of extremely large datasets and advanced analytics
- Access state-of-the-art equipment from our partners NVIDIA, Security Onion Solutions, SecuLore, OmniSci and more to put your ideas to the test
- Create custom cyber and cyber-physical ranges that replicate your own network to simulate realistic attack, defense, and discovery activities
- Use our fabrication lab to 3D model hardware and understand the inner workings of these devices
- Engage in our custom training scenarios that mimic real-world events and get hands-on mentoring from our experts

## Commercial Services & Our Partners

### System & Network Analysis

- Bandwidth usage and utilization survey to detect potential malicious actors within DNS Traffic, IP Communications, and foreign connections
- Threat discovery via custom analytics and a summary report of network health

### Cyber Forensics

- Forensic investigation of hostile cyber events
- Collection and preservation of digital evidence
- Virus/Malware analysis and reverse engineering
- Alert and attribute malicious actors, their tools and tactics, vulnerabilities exploited, and affected files

### Incident Response

- Immediate response to disrupt the attack chain
- Remove malicious and undesirable files; Authorize files according to white lists
- Restore the system and perform data recovery services

### Data Breach Remediation

- 24/7 quick reaction to minimize data exposure
- Immediate response to contain, analyze, and scrub classified data, PII, PHI, and proprietary data
- Fully documented containment response and root cause vulnerability repair

### Security Onion Tool Training

*Exclusive GSA Partner with Security Onion Solutions*

- Tool suite introduction and best practices for intrusion detection, enterprise security monitoring, and log management
- Detailed implementation and utilization walkthrough to tailor Security Onion to any DoD or private system
- Labs and realworld case studies to understand sensor output and effectively apply the right tools