



IntelliGenesis LLC
WHERE INTELLIGENCE BEGINS
CYBATIWORKS

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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 build, break, secure, and make 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

CybatWorks™

Powered by IntelliGenesis

Education, Training, and Research with CybatWorks™ Hybrid Cyber-Physical Emulation

- Includes software-defined networking, protocols, and radios combined with physical hardware to provide real scenarios
- Incorporates system elements such as the Power Grid, Pipeline, Manufacturing, Traffic Management, Maritime, Avionics and Aeronautics, Weapons Systems, and Physical Security
- Utilizes "hardware-in-the-loop" located within our Cyber-Physical Data Center
- Expands upon our existing Traffic Management, Power Grid and Manufacturing mini kits
- Supports greater understanding of combined cyber-physical risks and defenses
- Expedites rapid development and modelling traditionally difficult to emulate

Try our current cyber-physical data center and curriculum or choose to rapidly develop models of your own unique and specific environments for research and applied education.

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