

Corporate Capabilities



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CYPHERANALYTICS

100% Employee-Owned Small Business

Corporate Overview



COMPANY FACTS

Supporting
The Navy
Since 2004

Small
Business

100% Employee
Owned

Avg. Employee
Tenure of 7.5
Years

Over 90%
Employee
Retention Rate

DCAA Approved
Accounting
System

Top Secret
Facility
Clearance

40% Veteran
Employee Base

CLIENTS



NAICS

- 541330 – Engineering Services
- 541512 – Computer Systems Design Services
- 541611 – Administrative Management & General Management Consulting Services
- 541612 – Human Resources Consulting Services
- 541614 – Process, Physical Distribution, and Logistics Consulting Services
- 541618 – Other Management and Consulting Services
- 541690 – Other Scientific and Technical Consulting Services
- 541990 – All Other Professional, Scientific, and Technical Services
- 561110 – Office Administrative Services
- 561499 – All Other Business Support Services

CONTRACT VEHICLES

- SeaPort-NxG: N0017819D7462
- OASIS SB Pool 3: 47QRAD20D3158
- OASIS SB Pool 3 8(a): 47QRAD20D8313



Why Partner with Cypher Analytics?

1 We lead with a culture of RESPECT for our people, products, processes, and partners to generate a positive return on US Navy sailor self-sufficiency, mission readiness, and quality of life.

Our Values System of RESPECT

Responsibility	We follow through with our commitments to our clients and team and take accountability for our actions and results.
Ethics	We motivate our employees to take a customer-centric approach and to strive to make a positive and memorable impact on our clients.
Service	We lead with integrity by following best practices and strive to do what is right for our employees, clients, and community.
Progress	We create an environment that embraces collaboration, experimentation and education to prepare us for any changes or challenge that comes our way.
Empathy	We promote cooperation and compassion for other's circumstances to create an altruistic work environment.
Communication	We encourage everyone to communicate with transparency, openness and understanding within the rich and diverse perspectives of our organization.
Teamwork	We work together, across boundaries, to meet the needs of our clients and believe our success is dependent upon the collective energy, intelligence and contributions of all our Team Members.

2 We are a 100% employee-owned, hands-on small business with large business experience, expertise, and relationships developed over 20 years in support of the US Navy.

3 We develop, deploy, and sustain reliable, cyber secure networks afloat (CANES, ADNS), ashore (NEN, VSE), and airborne (MQ-25 UCA).

4 We deliver insightful cost and schedule saving solutions that help the US Navy deliver more capability and higher performance to the warfighter.



Core Capabilities

Network & Systems Engineering

- Production Systems Engineering
- Requirements Development, Tracing, and Evaluation
- Analysis of Alternatives (AoA)
- System Sustainment Planning
- Unmanned Weapons Systems
- Engineering Change Proposals
- Vulnerability Assessments
- Test Planning and Execution
- Network Monitoring, Management, and Operations
- Cloud Computing/Network Infrastructure Engineering, Configuration, and Cutover Execution
- C4I MILCON Engineering
- Lab Management & Modernization
- System Baseline Configuration & Documentation
- PITCO Execution (Pre-Installation and Test Check Out)
- Navy Shore and Afloat Installations
- Site Surveys and Assessments
- Installation Requirements Drawings (IRDs), Ship Installation Drawings (SIDs), Installation Design Plan (IDP), As-Built Drawings

Cybersecurity Engineering

- Cyber Remediation/Legacy Network Transition
- Forensic Analysis
- Vulnerability Mitigation
- Incident Handling (Tier IV Troubleshooting and CASREPs)
- Endpoint Security Engineering
- Onsite Build Integration and Validation Support
- Endpoint Security Solutions Training for Warfighters and Fleet Stakeholders
- Evaluation of Cybersecurity Capabilities for Compliance

Program Management

- Risk Analysis & Management
- Project & Schedule Management
- Agile Framework
- Acquisition Management
- Production Support
- Installation Management
- Integrated Product Team (IPT) Support and Assistant Program Manager (APM) support
- Process Development and Improvement
- Technical & Product Roadmaps
- C4I MILCON Systems Project Management
- FRCB & SIPH Processes and Compliance Management
- Requirements Analysis
- Project Management Plan (PMP) Development & Management
- Standard Operating Procedures (SOP) Development & Implementation
- Data Center Inventory Management (DCIM) Validation

Acquisition Logistics

- Direct Support to Product Support Manager (PSM)
- PSM Liaison with Multiple External Stakeholders
- Integrated Logistics Support Management Team (ILSMT) Conferences
- Supports Multiple IPTs (Requirements, Deliverables, Status, etc.)
- Track/Expedite CASREP Requisitions and Spares Management
- Performance and Cost Trade-Off Analyses
- Vendor Relationship Management
- Configuration/Change Management (CMPRO, SPIDER, ...)
- Technical Manual, Training, and Logistics Documentation
- Enterprise Hardware/Software Obsolescence Management
- Software Acquisition Management (SAM)
- Sustainment Planning
- Program Logistics Schedules
- Integrated Logistics Assessment and Sustainment Review Support
- Technical Research Screening for Hardware

Financial Management

- Planning, Programming, Budget and Execution (PPBE) Support
- POM / Budget Submissions
- Should Cost Initiatives
- Cost Estimating
- Cost Modeling
- Business Case Analysis/Analysis of Alternatives
- Spend Plan Development and Management
- Installation Resource and Procurement Planning

Administrative Support

- Program Office Front Desk Support
- Calendar Maintenance
- Meeting Support
- Flankspeed Teams Planner Utilization and Management for Action Item Tracking Across OCONUS and CONUS IPTs
- Badge Access Requests
- Correspondence Support
- Timekeeping Support, Including Comp Time / Over Time (CT/OT) Administration Across IPTs
- IPT and Flag/SES Level OCONUS and CONUS Travel Arrangements (Including DISS Visit Request Submissions and Verifications)
- Records Management
- Accounts and Access Support
- JICF Lab Access Management and Administration
- Cyber Security Work Force (CSWF) Validation and Management
- Org Chart / Recall Rosters Management Across IPTs

Core Capabilities: Network & Systems Engineering



Our engineers are subject matter experts providing end-to-end mission engineering, design, integration, and sustainment of afloat, ashore, CONUS, and OCONUS communication, networks and enterprise systems.

Key Achievements:

- Led the on-site implementation of ONE-Net Network Device Refresh efforts at numerous OCONUS Naval Computer and Telecommunications Station (NCTS) sites in the European, Middle East, and Far East theaters. Ensured completion of installs through System Operational Verification Test (SOVT) acceptance and closure of applicable Tracking Numbers (TNs) and Request For Change (RFC).
- Streamlined the development configuration using Python Network Automation and Netmiko for network devices in support of the Advanced Networking Tactical System (ANTS) and Ashore Routing Communications System (ARCS) programs. Our MQ-25 Stingray Network Integration team created a script that automates the deletion of outdated development configurations and uploads new ones. As a result, we were able to achieve a significant reduction in completion time down to just five minutes, with only one engineer required. This is a vast improvement compared to the previous day-long process that relied on the input of multiple engineers.
- Automated the configuration upgrade process for ONE-Net network devices by utilizing SolarWinds Network Configuration Manager to create a script to upgrade all devices to VTP version 3 at one time. As a result, the script increases accuracy, ensured consistency, and reduced the time to complete by 90%.



Core Capabilities: Cybersecurity Engineering



Our cybersecurity engineers architect, develop, and execute solutions to protect our Navy's networks and systems. We are subject matter experts in DoD-approved Endpoint Security Solutions and Vulnerability Scanning solutions, committed to increasing system resiliency within an ever-evolving threat landscape.

Key Achievements:

- Cypher is the PMW 160 lead contractor for Tier 4 Subject Matter Expert (SME) endpoint security engineering for CANES and Legacy Networks. Cypher Analytics leads the HBSS to ESS transition effort, responds to emergent and high-priority trouble tickets and CASREPs, and supports high-profile modernization efforts. For example, Cypher Analytics has successfully provided on-site build integration and validation support for 'first-of' CANES installations for the last two major CANES build releases.
- Cypher led the PMW 160 ORT engineering modernization effort to remediate cyber vulnerabilities on ISNS, CENTRIXS-M, and SCI Networks systems. The effort required design, integration, testing, installation, and deployment support services to eradicate Windows XP and mitigate cyber vulnerabilities successfully on 119 ORT designated platforms.
- PEO-Digital ONE-Net engineers continually lead project efforts through comprehensive Defense Information Systems Agency (DISA) Security Requirements Guides (SRG), Security Technical Implementation Guides (STIGs) and Security Content Automation Protocol (SCAP) benchmarks. Engineering team leverages these guides and benchmarks for security control implementation and testing across multiple security enclaves up to and including the Secret Level.



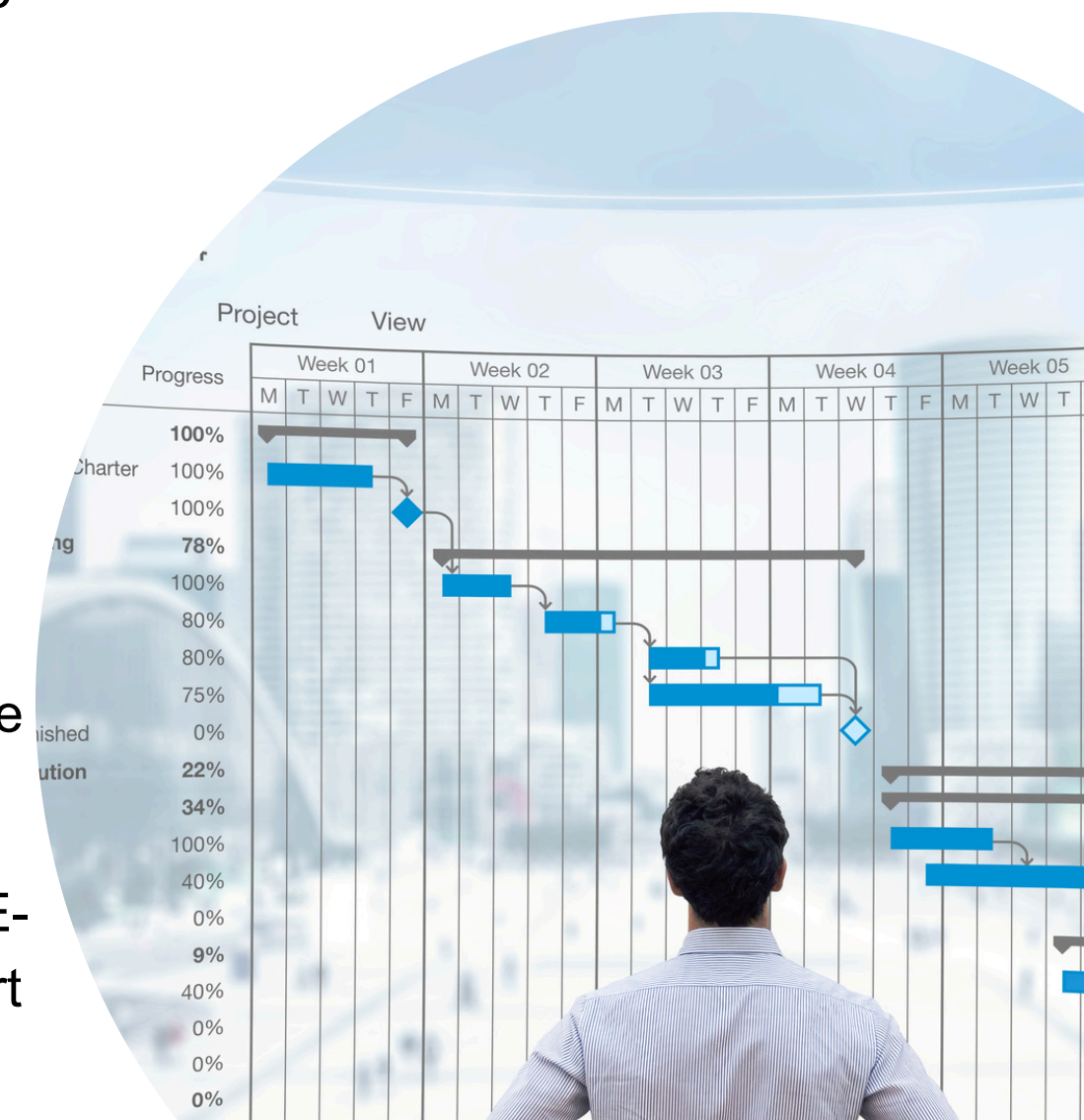
Core Capabilities: Program Management



Our team is composed of Project Management Professional (PMP) certified employees who use their expertise of the DoD5000 and acquisition management for the comprehensive development and successful implementation of data-driven, accurate, and effective strategic initiatives, process improvements, and change management for optimized program operation.

Key Achievements:

- Cypher played an integral role in the development and integration of Agile processes for the Automated Digital Network System (ADNS) Integrated Product Team (IPT) Tactical Transport Engineering (TTE) project. Our team developed the Scrum/Kanban methodology, using Jira to provide task management, planning, and reporting and Confluence for document development, review, and approval. Working with the ADNS Software Defined Networking (SDN) team, Cypher provides engineering project management support within the Agile framework through the facilitation and coordination of multidisciplinary teams consisting of a mix of 8 Scrum and Kanban teams for the development of SDN as part of ADNS Inc III SP5.
- As the ONE-Net Project Lead for the Keystone project, Cypher successfully led the Keystone project to an overall project completion six months ahead of schedule. Project Keystone was a unique transformation project to deliver to NMCI enterprise the accredited ONE-Net SCCM design to replace Radia solution for endpoint management and to develop and standardize a single NEN image. Project Keystone had SES/Flag level visibility and was one of the highest priority projects for PMW205 / NEN. It was also a first of its kind, government-led contractor supported (GOGOCS) project on NMCI (CONUS) and was initiated to demonstrate that the GOGOCS model (which is how ONE-Net operates) can be the standard for PEO Digital.
- Acting as the Government appointed Project Manager, successfully executed the Chinhae, South Korea ONE-Net Server Farm Relocation project, ultimately saving the ONE-Net program ~\$1.5M and completing the effort 6 months ahead of schedule.



Core Capabilities: Acquisition Logistics



Our Acquisition Logistics professionals use their vast Fleet experience and integrated logistics support (ILS) management expertise for the integration, sustainment, and modernization of interoperable C4I capabilities, providing product, training, and logistics support throughout the Acquisition Lifecycle.

Key Achievements:

- Cypher is the lead contractor for PMW 160 CANES Software Asset Manager (SAM), providing SW procurement BOMs, DADMS, and DITPR-DON support for a \$50M spend plan. Our team is skilled at transforming engineering-level SW BOMs into procurable SW BOMs that are informed through vendor relationships and a deep understanding of licensing agreements. As a result of our expertise, the program has benefited from millions of dollars in cost savings. One of our cost saving initiatives was to utilize more Project Level Agreements (PLA) in the place of Enterprise Level Agreements (ELA), with this strategy we were able to save the program \$17M for their FY24 procurement of Cloudera.
- Led CANES Product Support for the Submarine Cyber Threat Upgrade alterations. Ensured Logistics products for LOS ANGELES, VIRGINIA, and OHIO class submarines were completed in time to fully support Network Operations Strategic Initiative to field essential CANES capability during non-CNO, 52-day Submarine availability periods.
- Developed and implemented a comprehensive CASREP support system. Collaborated with PMO Bremerton, NAVSUP WSS, and DLA. Successfully provided critical support to over thirty ships resulting in enhanced operational readiness and seamless coordination among key stakeholders.



Core Capabilities: Financial Management



We help the Government buy better. We analyze spending, perform cost modeling, and estimate costs so that the DoD procures affordable systems that deliver high value to the Fleet and Warfighters. Our financial management and support provide complete visibility and accountability for the lifecycle of a DoD dollar – from POM to execution.

Key Achievements:

- Cypher's cost estimating expertise supported the development of a Should-Cost estimate for ADNS, realizing cost savings for the program through the development of initiatives to competitively award contracts, consolidate installation efforts with other PORs, and bundle engineering change efforts.
- The Cypher cost estimate lead assisted in the development of over 30 cost estimates for the ONE-Net program during fiscal year 2023. These cost estimates were developed by Cypher in coordination with the engineering team, processed through a multiple step approval cycle and submitted forward to either the ONE-Net spend plan or as an unfunded request to PEO-Digital. Having the completed cost estimates on the unfunded list allowed ONE-Net to receive an additional \$10M+ in funding towards these unfunded requirements.



Core Capabilities: Administrative Support



We stand ready to redefine excellence in administrative support for our government clients. Our comprehensive capabilities encompass a spectrum of services designed to enhance operational efficiency, streamline processes, and empower leadership.

Key Achievements:

- Cypher's PMW 160 Front Office Program Support directly works with the Deputy Program Manager collaboratively supporting the design, implementation, and evaluation of systemic professional and organizational development that supports PMW 160 to achieving an inclusive and equitable work environment. This includes agenda setting, guidance, task management, motivating learners, and managing the emotional culture of the group.
- PMW 160's Flank Speed SME-Help Desk Point of Contact which includes educating team on Flank Speed usage, sending informational emails to entire PMW 160 team to set up Flank Speed accounts and the initial log in process, training the team members as needed, and troubleshooting issues.
- Cypher leads the ONE-Net Onboarding Process for all accounts and access cards to include JICF LAB access, CAC/NIWC PAC Badges, JPAS Visitor Requests, ONE-Net user/admin accounts, NMCI and RDT&E accounts, and CSWF Packages.
- Provides administrative support to ONE-Net Engineering in developing and implementing process by creating process maps using Visio along with process outlines in a word document to help streamline for a more efficient process flow.



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