

focused energy...
powerful solutions



A Service-Disabled, Veteran-Owned, Woman-Owned Small Disadvantaged Business
(SDVOSB, EDWOSB, SDB)



About Knowledge Vortex



- Headquartered in Huntsville, Alabama
- Service Disabled Veteran Owned Small Business (certified by the VA)
- Economically Disadvantaged Woman-Owned Small Business (ED-WOSB), certified
- Small Disadvantaged Business (SDB)
- Disadvantaged Business Enterprise (DBE), certified by the Dep't. of Transportation, Alabama, Oct 2010
- NSA PISA program participant, 2011
- TS/SCI cleared personnel with full scope polygraph

DoD Facility Clearance

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Our Mission & Goals



- Our **mission** is focused:
 - *deliver honest, consistent, value-added service each and every day*
- Our **goals** are focused:
 - positively impact client mission
 - achieve customer service excellence
 - inspire client allegiance
- Our mission and goals guide our growth and impact our decisions daily.

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Knowledge Vortex Leadership

Elisa Krupa, President & CEO

- Decorated U.S. military veteran with combat mission experience
- Masters Degree in Public Policy, University of Maryland
- Two years as Intelligence Analyst at the National Security Agency
- Commercial Information Technology Consulting Experience

David Vivian, Co-Founder

- 15 plus years of IT and management consulting
- Lead teams delivering IT solutions for Fortune 50 clients
- Provided IT and acquisition strategies for large Federal, foreign and state entities
- Intelligence Analysis experience
- Masters Degree in Public Policy, University of Maryland

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Knowledge Vortex Capabilities



- Information Technology
- Information Assurance & System Security
- Systems Engineering & Integration
- SDLC Project Management
- General Business Services
- Training



PMP & ITIL Certified Staff

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Information Technology



Systems Integration & Operational Support

- Project management and Scheduling
- Packaged Solutions (Salesforce.com, SAP, etc.)
- Data Migration (extract, cleanse, transform, upload)
- Integrations (ETL, Web Services, BUS, etc...)
- Unit, System, Integration testing
- Application Maintenance Support

Network & Desktop Support

- Network design, installation, implementation services
- Network cabling, router and switch installation
- Performance tuning & optimization
- Desktop setup and configuration
- OS migration & Desktop Firewalls
- MS Exchange, Active Directory

Organizational Change Management & Communications

- Stakeholder analyses
- Deployment communication planning and message development and delivery
- Business process reengineering and organizational/role realignment

Disaster Recovery/COOP

- Continuity of Operations planning
- IT Disaster recovery planning

CRM and Help Desk

- Salesforce.com Certified
- SFDC Sales, Service, and Custom Cloud implementation
- Call Center/Help Desk Staffing

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Information Assurance & System Security



Information Assurance

- Plan, design, build, integrate, test, implement, deploy and administer IT and INFOSEC solutions using emergent security and encryption technologies and services
- Advise and make recommendations to government customers in all areas of security and business analysis
- Provide security liaison services among client agency cyber centers to enhance shared situational awareness
- Provide guidance for policy documentation and implementation
- Provide advisory support for the common operating picture geospatial visualization tools, reporting tools, and modernization of the environment to virtual machine and cloud in order to follow IT efficiency directives

Certification & Accreditation

- Responsible for the C&A process including ST&E/CT&E (Security Test and Evaluation & Certification Test and Evaluation)
- Implement secure enterprise networks using a Defense-in-Depth approach, in accordance with DCID 6/3, DITSCAP, NISCAP processes and NSA methodologies

Information System Security

- Provide advisory and technical security support on a broad range of security issues including:
 - System threat vulnerability and risk assessments
 - System security requirements/architectures
 - Security risk management
- Test & evaluate security mgmt. tools according to specific system level security requirements, addressing SLA's, performance, and total cost of ownership
- Identify limitations in combining components & mechanisms
- Evaluate security solutions for the infrastructure
- Engineer security solutions for modernization & various mission projects and enterprise level efforts using VPN (Safenet), auditing and monitoring (Esecurity), firewalls
- Pilot program development

Staff certifications

- Certifications meet the highest level of DoD Directive 8570
- CISSP Certified Information Systems Security Prof.
 - CEH Certified Ethical Hacker
 - ISSEP Information System Security Engineering Professional

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Systems Engineering and Integration



SE&I Strategy

- Project Definition / Project Direction
- Concept Formulation
- Control & Planning
- Operational Requirements definition

SE&I Requirements Planning

- Requirements development, management and compliance
- V&V/Test and Evaluation Planning, Verification, Traceability
- Integrated Master Planning

SE&I Processes

- Systems Analysis & Design
- System Performance Analysis
- Modeling & Simulation
- Configuration Management
- Database design
- Risk Management
 - Planning; Assessment; Mitigation; Monitoring

Project Management Risk & Issue Management

- Development of risk and issue management programs along technical, management, budget, schedule dimensions
- Development of risk identification criteria/processes as well as issue escalation procedures
- Integration of risk and issue management with financial and project management





SDLC Project Management



PMI-Certified Methodologies and Financials

- Develop Project Management Offices (PMOs) along the PMI framework
- EVM support

Requirements Management

- Requirements development
- Requirements traceability to test scripts
- Post-implementation benefits realization analysis

Risk Management

- PMI Risk Management methodology
- Risk identification, classification, assignment and management
- Utilize the NASA 5x5 risk management framework

Enterprise Architecture

- Federal Agency-Level Federal Enterprise Architecture Framework (FEAF) (e.g. Zachman, Spiwak)
- Business reference models, service reference models, integrated EA principles with PM methodologies, business case analyses, and IT governance frameworks.

Project Scheduling & Business Case Development

- Develop and manage project schedules
- Microsoft Project specialists

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General Business Services



Business Services

- Voice of the Customer surveys and interviews
- Stakeholder analyses and communications
- Process alignment and reengineering

Records Management Services

- Federal records management compliance support with focus on transparency and accessibility
- Policies, procedures, and guidelines development
- Records classification and retention review
- Taxonomy and record data classification

Budget & Finance

- PPB&E development support
- Federal program budget formulation/estimate support

Presentation Support

- Develop and prepare graphics and briefing material
- Design and develop promotional materials including tabletop, pop-up, and banner display panels; high impact informational handouts; glossy tri-fold brochures

Business Case Development

- Scope development, cost estimating, RPOI analysis
- Provide detailed options analysis

Office & Clerical Support

- Prepare, review and edit documents and records; provide documentation packages
- Schedule, organize, coordinate and facilitate executive-level meetings and briefings
- Coordinate domestic and international travel; prepare trip reports; develop and maintain travel budget
- Attend meetings and briefings to record and prepare accurate minutes and agendas
- Provide telephone support, escort duties and receptionist duties
- Maintain and coordinate organizational calendars

Event and Conference Planning & Support

- Provide planning, preparation, and input for conferences, briefings, meetings & working groups
- Provide conference support at job fairs, tradeshow and industry conferences
- Track action items and associated documentation
- Support demonstrations and displays, including planning, set-up, monitoring and disassembly of demonstrations/display material

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Training



Training Program Development

- Develop robust training programs that maintain the organization's learning environment
- Maintain training schedules and curricula and ensure they align with evolving employee needs
- Ensure the workforce is knowledgeable and proficient with the organization's latest technologies and processes

Content Development

- Develop training content through close collaboration with business users and technologists

Curricula Development

- Develop training curricula based on new or enhanced system functionality
- Customize courses for government and commercial organizations
- Define clear benchmarks for curricula assessment

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NAICS Codes



North American Industry Classification System codes:

541330	Engineering Services
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
541611	Administrative Management and General Management Consulting Services
561110	Office Administrative Services
561210	Facilities Support Services
561410	Document Preparation Services

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Knowledge Vortex Contract Vehicles



AMCOM EXPRESS

Army Aviation and Missile Life Cycle Management Command's Expedited Professional and Engineering Support Services - Business & Analytical, Technical, Programmatic, and Logistics.

SETAC

US Army Space and Missile Defense Command/US Army Forces Strategic Command's System Engineering and Technical Assistance Contract. Used for research & development, technological advancements of BMD, air and space technology, and future defense applications.

RITS

Redstone IT Services contract supports Redstone Arsenal NEC with computer and network support, automation security services, storage and database administration, web support services, badge support services, desktop and server software support, and enterprise configuration management.

ENCORE II

DISA's ENCORE II contract provides global, net-centric solutions for an integrated and interoperable Global Information Grid (GIG).

ARNG Aviation & Safety Div. Support Services

The Army National Guard's Aviation and Safety Division Support Services BPA provides support to address Doctrine, Organization, Training, Materiel, Leader Development, Personnel and Facilities (DOTMLPF) requirements.

MiDAESS

This contract provides advisory and assistance services to the Chief of Staff Directorate (DS) Missile Defense Agency. Support includes agency operations services for the Ballistic Missile Defense System.

SDVOSB Set-Aside & Sole-Source Awards

The Veterans Benefits Act of 2003 (Public Law 108-83) established a procurement program for SDVOSB Concerns that enables contracting officers to restrict competition and award sole-source contract to service-disabled veteran-owned companies if certain criteria are met.

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Knowledge Vortex Teaming Partners



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Knowledge Vortex Community Involvement

Knowledge Vortex is an active participant in DoD, NASA and Industry organizations.



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